

# Annual report 2021



অসম চৰকাৰ  
প্ৰশাসনিক ভৱন  
যোৰহাট চিকিৎসা মহাবিদ্যালয়, যোৰহাট, অসম  
**ADMINISTRATIVE BUILDING**  
JORHAT MEDICAL COLLEGE, JORHAT, ASSAM

# 12<sup>th</sup>

## Foundation Day



Jorhat Medical College & Hospital, Jorhat





# JORHAT MEDICAL COLLEGE AND HOSPITAL



JORHAT, ASSAM-785001

12<sup>th</sup> October, 2021

# 12<sup>th</sup> Foundation Day

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ANNUAL REPORT  
FOUNDATION COMMITTEE



2021

<b>Chief Patron</b>	Prof. (Dr) Ratna Kanta Talukdar Principal cum Chief-Superintendent
<b>Patron</b>	Prof. (Dr) Pranabjit Viswanath, Vice Principal.
<b>Member Secretary</b>	Prof. (Dr). Meghali Chaliha, HOD Pharmacology
<b>Editors</b>	Dr. Sahid Aziz, Pharmacology Dr. Ajoy Borah, Pharmacology
<b>Photo Courtesy</b>	Mr. Jaynata Borah Mr. Mintu Moni Borah
<b>Supporting Staff</b>	Mr Ujjal Borah Mrs.Sunita Handique Mrs.Ruby Neog Debajit Sabhapandit
<b>Cover Page</b>	Mr. Asif Ikbal, BCA







## FOUNDATION DAY CELEBRATION COMMITTEE 2021



As recommended by the Committee for Foundation Day Celebration, the following group of Team is hereby formed for successful implementation of the events of Foundation Day, 2021 scheduled to be held on 12.10.2021.

### **Plantation Drive**

- Convenor : Dr. Krishna Talukdar, Prof. & HoD, Dermatology.
- Co-Convenors : 1. Dr. Apurba Kr. Bhattacharyya, Assoc. Prof., Obst. & Gynae.  
2. Mrs. Bijumoni Saikia Bhuyan, Nursing Superintendent.
- Members : 1. Dr. S.J. Rahman, Asst. Prof., Community Medicine.  
2. Dr. Rajat Dutta Roy, Asst. Prof., Anatomy.  
3. Dr. Trishna Dutta, Asst. Prof., Physiology.  
4. Dr. Angshurekha Das, Asst. Prof., Microbiology.  
5. Dr. Ajoy Borah, Demonstrator, Pharmacology.  
6. Dr. Dipankar Thakuria, Demonstrator, FSM.  
7. President / Secretary of JMCHEA.
- Support Staff : 1. Md. Abbas Ali.  
2. Sri Simanta Bordoloi.  
3. Sri Mridul Hazarika.

### **Flag Hoisting & Breakfast**

- Convenor : Dr. Manab Jyoti Gohain, Asst. Prof., Surgery.
- Co-Convenors : 1. Dr. Nilutpal Bhattacharjee, Asst. Prof., Surgery.  
2. Mrs. Satyamoni Saikia, Nursing Superintendent.
- Members : 1. Dr. Shaidul Islam Bora, Assoc. Prof., Obst. & Gynae.  
2. Dr. Aniruddha Basu, Assoc. Prof., Radiology.  
3. Dr. Binita Bhuyan, Demonstrator, Microbiology.
- Support Staff : 1. Sri Bishwajit Bora.  
2. Sri Santi Ranjan Dey.  
3. Sri Dibyajyoti Brodolo.

### **Campus Illumination**

- Convenor : Dr. Rituparna Phukan Ray, Assoc. Prof., Pharmacology.
- Co-Convenors : 1. Dr. Chao Rohek Buragohain, Assoc. Prof., Orthopaedics.  
2. Mrs. Purabi Kalita, Nursing Superintendent.
- Members : 1. Dr. Aparna Langthasa, Assoc. Prof., Pathology.  
2. Dr. Alok Jyoti Malakar, Asst. Prof., Cardiology.
- Support Staff : 1. Sri Chandan Borbora.  
2. Smt. Sunita Handique Phukan.  
3. Smt. Rubi Neog.  
4. Sri Partha Pratim Hazarika.





## PRINCIPAL'S MESSAGE



**Prof (Dr). Ratna Kanta Talukdar.**

Principal cum Chief Superintendent  
Jorhat Medical College & Hospital, Jorhat

It is indeed an honour for me to be here today to celebrate the 12<sup>th</sup> Foundation Day of Jorhat Medical College. With the laying of foundation stone on 25<sup>th</sup> August 2008 by the then Prime Minister of India Shri Manmohan Singh in presence of Union Ministers Shri Veerappa Moily and Shri Bijay Krishna Handique, Assam Chief Minister Sjt. Tarun Gogoi, and Health Minister Shri Himanta Biswa Sarma, the birth of Jorhat Medical College was initiated. But it was on 12<sup>th</sup> October 2010, when the hospital was inaugurated by the Hon'ble Chief Minister of Assam Sjt. Tarun Gogoi in the erstwhile Jananayak Debeswar Sarma Civil hospital, Jorhat Medical College & Hospital came into being and has made tremendous progress within this short span of time and today can compete in academics and services with the older established colleges in the state.

Today it can boast of post graduate students in almost all clinical departments and hopefully three more departments will start PG courses from this year. A state-of-the-art Cancer Hospital is being constructed to work in tandem with JMCH and will be completed within this year. The government has also agreed for construction of a much-needed paying cabin complex and a super specialty hospital. With the advent of the Corona pandemic in the state, Jorhat Medical College Hospital too has donned the mantle of covid warriors to treat patients in the thousands and in spite of a large number of its own staff coming under this dreaded disease have served the people of the state commendably. All these have been possible for the indomitable spirit and desire for public service by its faculty and staff. I am proud to be associated with this college and am happy for the small opportunity provided to me to push Jorhat Medical College to the number one position in the state, a dream I am sure of all alumni and all faculty and staff in the college. I wish all progress and great days ahead to JMCH

**Long Live JMC !!**





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## **1.1: EXECUTIVE COUNCIL: JORHAT MEDICAL COLLEGE & HOSPITAL**

The Governor of Assam is pleased to constitute the Governing Body of the Jorhat Medical College & Hospital, Jorhat with the following members: Dated, Dispur the 16<sup>th</sup> August 2016.

- |   |               |
|---|---------------|
| 1. Sri Hitendra Nath Goswami<br>Hon'ble MLA, Jorhat Constituency                        | Chairman      |
| 2. Sri Kamakhya Prashad Tasa<br>Hon'ble MP (Rajya Sabha)                                | Vice Chairman |
| 3. Sri Topon Gogoi<br>Hon'ble MP (Lok Sabha)  | Member        |
| 4. Smti Renupoma Rajkhowa<br>Hon'ble MLA, Teok Constituency                             | Member        |
| 5. Sri Bhabendra Nath Bharali<br>Hon'ble MLA, Dergaon Constituency                      | Member        |
| 6. Sri Rupjyoti Kurmi   | Member        |
| 7. Prof. (Dr.) Anup Kr. Barman<br>Director of Medical Education, Assam                  | Member        |
| 8. Prof. (Dr) Ratna Kanta Talukdar.<br>Principal cum Chief Superintendent, JMCH, Jorhat | Member        |
| 9. Dr. Purnima Baruah<br>Medical Superintendent, JMCH, Jorhat.                          | Member        |
| 10. ADC- Health O/o Deputy Commissioner, Jorhat District                                | Member        |
| 11. Representative of NEC, Shilong  | Member        |
| 12. Executive Engineer, PWD (B) Jorhat  | Member        |
| 13. Three nos. of HODs of JMCH on rotation<br>(nominated by Govt.)                      | Member        |





## 1.2: JORHAT MEDICAL COLLEGE COUNCIL

**Prof. (Dr.) R.K. Talukdar**, Principal cum Chief Superintendent, shall be the **Chairman** of the College Council **Prof. Bishnu Ram Das**, Prof.& H.O.D., Community Medicine shall function as **Secretary** of the College Council. A Full-fledged College Council of JMCH has been reconstituted with the following members.

1.	Dr. Purnima Baruah	Medical Superintendent, JMCH
2.	Prof. (Dr.) Rubi Saikia	HOD, Anatomy
3.	Prof. (Dr.) Geeta Baruah	HOD, Physiology
4.	Prof. (Dr.) Anju B. Teli	HOD, Biochemistry
5.	Prof. (Dr.) Projnan Saikia	HOD, Pathology
6.	Prof. (Dr.) Uttara Borkotoky	HOD, Microbiology
7.	Prof (Dr.) Meghali Chaliha	HOD, Pharmacology
8.	Dr. Netramoni Kakati	i/c HOD, FSM
9.	Prof. (Dr.) A.K. Sen	HOD, Medicine
10.	Prof. (Dr.) Kamala Deka	HOD, Psychiatry
11.	Prof. (Dr.) Mihir Kr.Goswami	HOD, Pulmonary Medicine
12.	Prof. (Dr.) Pranabjit Biswanath	HOD, Paediatrics
13.	Prof. (Dr.) Atul Ch. Baro	HOD, Surgery
14.	Prof. (Dr.) Pranjali Tahbaldar	HOD, Orthopaedics
15.	Prof. (Dr.) H.P Saikia	HOD, ENT
16.	Prof. (Dr.) Tapan Kr. Gogoi	HOD, Ophthalmology
17.	Prof. (Dr.) H.K.Sarmah	HOD, Obstetrics & Gynaecology
18.	Prof. (Dr.) Deep Kr. Roy	HOD, Radiology
19.	Prof. (Dr.) Rajib Hazarika	HOD, Anaesthesiology
20.	Prof. (Dr.) Krishna Talukdar	HOD, Dermatology
21.	Dr. Amrit Saikia	i/c HOD, Neurosurgery
22.	Dr. Alok Jyoti Malakar	i/c HOD, Cardiology



### 1.3: JORHAT MEDICAL COLLEGE ACADEMIC COUNCIL

**Prof. (Dr.) R.K. Talukdar**, Principal cum Chief Superintendent, shall be the **Chairman** of the Academic Council, **Prof. Bishnu Ram Das**, Prof. and HOD, Community Medicine shall function as the **Secretary** of the College Council. A full-fledged Academic Council of JMCH has been reconstituted with the following members to look after various academic activities of Jorhat Medical College.

1. Prof. (Dr.) Pranabjit Biswanath	Vice Principal
2. Prof. (Dr.) A.K. Sen	HOD, Medicine
3. Prof. (Dr.) H.K. Sarmah	HOD, Obs & Gynae
4. Prof. (Dr.) Anju B. Teli	HOD, Biochemistry
5. Prof. (Dr.) Projnan Saikia	HOD, Pathology
6. Prof. (Dr.) Geeta Baruah	HOD, Physiology
7. Dr. N.N. Ganguly	Assoc. Prof, Surgery



## 1.4: INSTITUTIONAL MDRU TEAM: JMCH

The Multi-Disciplinary Research Unit (MDRU) Team was full fledged with the following officers vide letter no. SMEJ/JMCH/1690/2015/4822 dated 19.09.2019.

**Nodal Officer, MDRU**

Dr. Anju Barhai Teli, Associate Professor,  
Biochemistry.

**Members:**

**Department of Microbiology**

Dr. Dweepjyoti Baishya, Assistant Professor  
Dr. Nayanjyoti Sarmah, Demonstrator

**Department of Pathology**

Dr. Prabir Hazarika, Assistant Professor

**Department of Biochemistry**

Dr. Meghna Bora, Demonstrator  
Dr. Kaushik Nath, Demonstrator

**Department of Pharmacology**

Dr. Sahid Aziz, Demonstrator  
Dr. Ajoy Borah, Demonstrator





## 1.5: INSTITUTIONAL ANIMAL ETHICS COMMITTEE: JMCH

- |   |   |
|---|---|
| <b>1. Prof. (Dr.) Meghali Chaliha</b><br>Professor & HoD<br>Deptt. of Pharmacology  | Chairperson   |
| <b>2. Prof (Dr.) Uttara Borkotoki</b><br>Professor & HOD<br>Deptt. of Microbiology  | Scientist from different<br>biological discipline   |
| <b>3. Dr. Anju B. Teli</b><br>Professor & HOD<br>Deptt. of Biochemistry   | Scientist from different<br>biological discipline   |
| <b>4. Dr. Minakshi Kalita</b><br>State Veterinary Dispensary<br>District AH & Veterinary Office, Jorhat                   | Veterinarian  |
| <b>5. Dr. Gautam Sahu</b><br>Asst. Professor<br>Deptt. of Pharmacology  | Scientist i/c of Animal House                       |
| <b>6. Dr. P. Chattopadhyay</b><br>Scientist, DRDO.  | Main CPCSEA nominee.<br>Ministry of Defense, Tezpur |
| <b>7. Dr. Pritom Mohan</b><br>Assoc. Prof. Pharmacology and Toxicology<br>College of Veterinary sciences, Khanapara.      | Link Nominee.                                       |
| <b>8. Dr. Chandana C. Baruah</b><br>Assoc. Prof. Pharmacology and Toxicology<br>College of Veterinary sciences, Khanapara | Scientist from outside institution.                 |
| <b>9. Dr. Sashanka Sekhar Dutta</b><br>4-Kanaklata Path, Survey, Beltola, Ghy.  | Socially aware Nominee.                             |



## 1.6: INSTITUTIONAL ETHICS COMMITTEE FOR BIOMEDICAL RESEARCH on HUMAN PARTICIPANTS: JMCH

*A new institutional ethics committee for Biomedical Research on Human Participants* is formed with the following members.

- |   |   |
|---|---|
| <b>1. Dr. Paron Boruah</b><br>Rtd. Chief Scientist ,CSIR-NEIST,<br>Lakhimi Nagar, Lane-3, Near Megha Resort,<br>Pulibor,<br>Jorhat :-785006<br>Mob. No. 9435051469/8638543875<br>E-mail: <a href="mailto:paranbaruah@yahoo.com">paranbaruah@yahoo.com</a> | <b>Chairperson</b>  |
| <b>2. Dr. Kamala Deka</b><br>Prof. & HOD<br>Deptt. of Psychiatry<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No.- 94350-32050<br>E-mail: <a href="mailto:drkamala-99@yahoo.co.in">drkamala-99@yahoo.co.in</a>                                    | <b>Member Secretary</b>   |
| <b>3. Dr. Anju B.Teli</b><br>i/c HOD,<br>Deptt. of Biochemistry<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No.9435390433<br>E-mail: <a href="mailto:dranju.t@gmail.com">dranju.t@gmail.com</a>  | <b>Assistant Member Secretary<br/>(Basic Medical Scientist)</b> |
| <b>4. Dr. P. Bishwanath</b><br>Prof. & HOD,<br>Deptt. of PAediatrics,<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No.- 94354-76119<br>E-mail: <a href="mailto:drpbnath@sify.com">drpbnath@sify.com</a>   | <b>Member<br/>(Clinician)</b>                                   |
| <b>5. Dr. Meghali Chaliha</b><br>Prof. & HOD,<br>Deptt. of Pharmacology,<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No.- 99544-31380<br>E-mail: <a href="mailto:meghalichaliha@yahoo.co.in">meghalichaliha@yahoo.co.in</a>                      | <b>Member<br/>(Basic Medical Scientist)</b>                     |
| <b>6. Dr. Diganta Borgohain</b><br>Associate Professor,<br>Deptt. of Surgery,<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No.- 9435530502<br>E-mail: <a href="mailto:dborgohain1978@yahoo.co.in">dborgohain1978@yahoo.co.in</a>                  | <b>Member<br/>(Clinician)</b>                                   |
| <b>7. Dr. Naruttam Sonowal</b><br>Associate professor,<br>Deptt. of Medicine<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No.- 9864097554<br>E-mail: <a href="mailto:sonowal.naruttam@gmail.com">sonowal.naruttam@gmail.com</a>                   | <b>Member<br/>(Clinician)</b>                                   |
| <b>8. Dr. Atanu Chakravarty</b><br>Deptt. of Microbiology,<br>Jorhat Medical College & Hospital, Jorhat<br>Mob. No-9864370184<br>E-mail: <a href="mailto:atanu_chakravarty@redifmail.com">atanu_chakravarty@redifmail.com</a>                             | <b>Member<br/>(Basic Medical Scientist)</b>                     |

**9. Smt. Mitali Gohain Gogoi**

Jail Road, Jorhat

Mob. No.- 8721940152

E-mail: [mitaligohaingogoi@gmail.com](mailto:mitaligohaingogoi@gmail.com)

**Member  
(Legal Expert)**

**10. Sri Pranab Kr.Saikia**

HOD, Deptt. of Sociology

CKB College, Teok, Jorhat

Mob. No.- 99570-33186

E-mail: [psaikia576@gmail.com](mailto:psaikia576@gmail.com)

**Member  
(Social Scientist)**

**11. Sri Dilip Mudoi**

Meleng Lohkor Gaon

P.O.- Lahdoigarh, Jorhat

Mob. No.- 99574-56671

**Layman Member**





## 1.7: GENDER HARASSMENT COMMITTEE: JMCH

In compliance of the Hon'ble Supreme Court of India / UGC / MHRD / Govt. of India Regulations, the Gender Harassment Committee of Jorhat Medical College, Jorhat is hereby reconstituted with the following officers for the purpose of preventing gender and sexual harassment superseding all the previous orders:

<i>Name &amp; Address</i>	<i>Portfolio</i>	<i>Contact No.</i>	<i>E-mail ID</i>
Dr. Pranabjit Biswanath			
Vice Principal cum Prof. & HOD, Dept. of Paediatrics, JMC, Jorhat.	<i>Chairman</i>	9435476119	<a href="mailto:pranabjitbiswanath@gmail.com">pranabjitbiswanath@gmail.com</a>
Dr. Meghali Chaliha			
Prof. & HOD, Pharmacology JMCH, Jorhat.	<i>Member Secretary</i>	9954431380	<a href="mailto:drmeghali24@gmail.com">drmeghali24@gmail.com</a>
Dr. A. K. Sen, Prof. & HoD, General Medicine, JMCH, Jorhat.	<i>Member</i>	9435033959	<a href="mailto:draksen57@gmail.com">draksen57@gmail.com</a>
Dr. Kamala Deka			
Prof. & HOD, Psychiatry, JMCH, Hostel Superintendent, UG, Girls Hostel, JMCH, Jorhat.	<i>Member</i>	9435032050	<a href="mailto:drkamala_99@yahoo.co.in">drkamala_99@yahoo.co.in</a>
Dr. Usha Rani Pegu, Associate Prof., General Medicine	<i>Member</i>	9435130402	<a href="mailto:ushamoni27@gmail.com">ushamoni27@gmail.com</a>
Dr. Netramoni Kakati , Associate Prof, Dept. of FSM, JMC, Jorhat	<i>Member</i>	9435063035	<a href="mailto:drmmkakati@gmail.com">drmmkakati@gmail.com</a>
Mrs. Bijumoni Saikia Bhuyan, Nursing Superintendent, JMCH, Jorhat.	<i>Member</i>	9435153676	<a href="mailto:bijumonibhuyan@gmail.com">bijumonibhuyan@gmail.com</a>



## 1.8: ANTI RAGGING COMMITTEE: JMCH

As per guideline of the Medical Council of India, New Delhi to curb the menace of ragging in JMCH, Jorhat, a full- fledged Anti Ragging Committee is hereby constituted superseding all the previous ones with following members:

<i>Name &amp; Address</i>	<i>Portfolio</i>	<i>Telephon e</i>	<i>Mobile No.</i>	<i>E-mail ID</i>
Dr. Pranabjit Biswanath				
Vice Principal cum Prof. & HOD, Dept. of Paediatrics, JMC, Jorhat.	<i>Chairman</i>	----	943547611 9	<a href="mailto:pranabjitbiswanath@gmail.com">pranabjitbiswanath@gmail.com</a>
Dr. Purnima Barua, Superintendent, JMCH, Jorhat	<i>Member/ Secretary</i>	----	943514198 9	<a href="mailto:drpurnimabarua@gmail.com">drpurnimabarua@gmail.com</a>
Dr.Hem Kanta Sarma Prof. & HOD, Dept. of O&G, JMCH, Jorhat	<i>Member</i>	----	986406771 3	<a href="mailto:sarmahemkanta@gmail.com">sarmahemkanta@gmail.com</a>
Dr. Kamala Deka Prof. & HOD, Psychiatry, JMCH, Hostel Superintendent, UG, Girls Hostel, JMCH, Jorhat.	<i>Member</i>	----	943503205 0	<a href="mailto:drkamala_99@yahoo.co.in">drkamala_99@yahoo.co.in</a>
Dr. Meghali Chaliha Prof. & HOD, Pharmacology JMCH	<i>Member</i>	----	995443138 0	<a href="mailto:drmeghali24@gmail.com">drmeghali24@gmail.com</a>
Dr. Hiranya Prova Saikia, Prof. & HoD, ENT, Hostel Superintendent PG Girls Hostel JMC, Jorhat.	<i>Member</i>	----	801150205 2	<a href="mailto:dr.hiranyap@gmail.com">dr.hiranyap@gmail.com</a>
Dr. Naruttam Sonowal Hostel Superintendent PG Boys Hostel JMC, Jorhat.	<i>Member</i>	----	986409755 4	<a href="mailto:sonowal.naruttam@gmail.com">sonowal.naruttam@gmail.com</a>
Dr. Debabani Bora, Hostel Superintendent UG Girls Hostel,	<i>Member</i>	-----	943504115	<a href="mailto:debabani_bora@yahoo.co.in">debabani_bora@yahoo.co.in</a>

JMC, Jorhat			6	
Dr. Netramoni Kakati , Associate Prof, Dept. of FSM, JMC, Jorhat	Member		943506303 5	<a href="mailto:drnmkakati@gmail.com">drnmkakati@gmail.com</a>
Dr. Trishna Dutta, Hostel Superintendent, Resident Girls Hostel, JMC, Jorhat	Member	----	863879101 7	<a href="mailto:Trishmanneilsneh13@gmail.com">Trishmanneilsneh13@gmail.com</a>
Dr. Rajat Dutta Roy, Hostel Superintendent UG Boys & Intern Hostel JMCH, Jorhat	Member	---	995475730 6	<a href="mailto:rajatduttaroy2011@gmail.com">rajatduttaroy2011@gmail.com</a>
Dr. Nilutpal Bhattacharjee Public Relation Officer JMCH, Jorhat	Member	----	970701259 6/ 789630856 9	<a href="mailto:drnb2009@gmail.com">drnb2009@gmail.com</a>
Dr. Binita Bhuyan, Hostel Superintendent, UG, Girls Hostel, JMCH, Jorhat.	Member	----	957713872 1	<a href="mailto:bntbhuyan15@gmail.com">bntbhuyan15@gmail.com</a>
Shri Mrinal Talukdar, APS,Superintendent of Police, Jorhat	Member representative from the Police Administration	0376- 2320021 (Office) (0376) 2320027 (Residence)	943515407 5	<a href="mailto:sp-jorhat@assampolice.gov.in">sp-jorhat@assampolice.gov.in</a>
Sri Tapan Gohain ADC, Jorhat	Member representative from the local Administration	----	943548943 5	<a href="mailto:t_gohain@yahoo.com">t_gohain@yahoo.com</a>
Sri. Dijendra Nath, Dohabora Chuk, Jorhat	Guardian Member	----	943505273 3	<a href="mailto:dijennath123gmail.com">dijennath123gmail.com</a>
Mrs. Rubi Neog, Kuhumjogania gaon, Gorokhia Dole, Jorhat, Assam	Guardian Member	----	986470307 2	<a href="mailto:rubineog@gmail.com">rubineog@gmail.com</a>
Sabbir Hasan Rashid, Barua lane, Near Patholab, TR Phukan Road, Neheru Park,	Guardian Member	----	995409915 6	<a href="mailto:rashid.sabbir3@gmail.com">rashid.sabbir3@gmail.com</a>



Jorhat 785001

Dr. Ananta Madhab Baruah

Dhowapukhuri, P.O Bahona,  
Dist- Jorhat, Assam.

*Guardian*

*Member*

----

943528796

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[ambaruah@gmail.com](mailto:ambaruah@gmail.com)

**Functions of Anti-Ragging Committee:**

1. To strictly monitor and implement discipline of students inside the college campus.
2. To strictly implement guidelines, as directed by the Hon'ble Supreme Court of India regarding ragging in educational institutions and notified by MCI as regulations.



## 2.0: HOSPITAL ADMINISTRATION: JMCH

In partial modification of previous order vide no. SMEJ/JMCH/106/2019/10606 dated 18.09.2020, duties & responsibilities of the following Deputy Superintendents/ Faculties of JMCH, Jorhat have been entrusted as shown below and shall come into force with immediate effect in the greater interest of smooth and regular services of the Hospital.

Sl. No.	Name of Deputy Superintendents/ Faculty	Subject/ Matters
1	Dr. Ranjit Bhuyan	<ol style="list-style-type: none"> <li>1. Birth &amp; Death Registration at JMCH.</li> <li>2. MRD related matters.</li> <li>3. Disposal of IUDs and unclaimed dead bodies as per regulations.</li> <li>4. Matters related to Nursing Staff, Nurses Training, Nursing School and Hostels etc.</li> <li>5. Liaison with govt. agencies/ NGOs regarding unknown/ destitute/mentally ill patients.</li> <li>6. Matters related to Dialysis Unit in coordination with Principal/ Supdt.JMCH.</li> </ol>
2	Dr. Ganesh Ch. Borah	<ol style="list-style-type: none"> <li>1. Disability Board.</li> <li>2. TBS -Nodal Officer &amp; matters related to medical appliances/ equipments.</li> <li>3. Look after the matters of cash/registration counters.</li> <li>4. Matters related to Condemnation Committee.</li> <li>5. SPIO related matters of hospital section.</li> <li>6. Liaison with Pollution Control Board.</li> </ol>
3.	Dr. Rani Baruah	<ol style="list-style-type: none"> <li>1. LAQSHYA, Kayakalp.</li> <li>2. Matters related to grade-III, IV staff and contractual employees of Hospital.</li> <li>3. To look after PMJAY and other Govt. Sponsored Schemes.</li> <li>4. Amrit Pharmacy &amp; Jana Aushadhi.</li> <li>5. MRD related matters.</li> <li>6. Referral Medical Board.</li> <li>7. Casualty Matters</li> </ol>
4	Dr. Nilutpal Bhattacharjee	<ol style="list-style-type: none"> <li>1. Disaster Management.</li> <li>2. Central Medical Gas.</li> <li>3. Matters related to POL &amp; Generator.</li> <li>4. Telemedicine.</li> <li>5. Matters of outsourced mechanized cleaning agency for JMCH Campus.</li> <li>6. Public relations officer/ liaison with district administration</li> <li>7. HR training and management in liaison with Hospital Administrator.</li> </ol>
5	Dr. Manab Narayan Baruah	<ol style="list-style-type: none"> <li>1. Citizen Charter</li> <li>2. Administrative works of MCH wing ( SCNU) including mechanized cleaning, security services.</li> <li>3. Govt. Sponsored schemes related to child health.</li> <li>4. Public Grievance redressal management and Feedback system.</li> <li>5. Matters related to SCNU &amp; PICU in MCH wing.</li> <li>6. Mechanized cleaning in Paediatrics section of MCH wing.</li> <li>7. Matters of Death Review /Audit Meeting.</li> </ol>
6	Dr. Pranabika Mahanta	<ol style="list-style-type: none"> <li>1. Govt. schemes related to maternal health</li> <li>2. Matters of Labour room, OTs and HDU in MCH wing.</li> <li>3. Administrative works of MCH wing including mechanized cleaning, security services, dead body disposal and stretcher services in MCH wing.</li> <li>4. Issues related to referred cases of Delivery.</li> <li>5. Matters of Paying cabin and Public waiting halls in MCH campus</li> </ol>
7	Dr. Angshurekha Das	<ol style="list-style-type: none"> <li>1. Nodal Officer - IDSP</li> </ol>

		<ol style="list-style-type: none"> <li>2. Management of Epidemic outbreak in liaison with Department of Community Medicine Deptt., JMCH.</li> <li>3. General administration of Blood bank, ART, CCL, Lab Tech.&amp; Lab attendants.</li> <li>4. Communicable Diseases and liaison with district administration.</li> <li>5. To liaise with HICC regarding Incinerator, Deep Burial Pit, Sharp pit, Shredder machine, Storage area etc.</li> </ol>
8	Dr. Manab Gohain	<ol style="list-style-type: none"> <li>1. Central Workshop</li> <li>2. Matters ICUs, OTs in New Hospital Building.</li> <li>3. Administrative works of ACs</li> <li>4. Administrative works of CSSD &amp; Laundry service.</li> <li>5. Matters of hospital ambulance &amp; hospital canteen.</li> </ol>
9	Dr. Trishna Dutta	<ol style="list-style-type: none"> <li>1. Matters of electrical items.</li> <li>2. Administrative works of Electricity.</li> <li>3. Administrative works of water supply, drinking water facility and plumbing.</li> </ol>
10	Dr. Santosh Sahu	<ol style="list-style-type: none"> <li>1. Mechanized cleaning in New &amp; Old Hospital buildings and hospital outer area in liaison with Mechanized cleaning supervision committee.</li> <li>2. Matters related to Incinerator, Deep burial pit, Sharp pit, Shredder machine, Storage area and liaison with Pollution Control Board and HICC.</li> <li>3. Biomedical Waste Management of source in liaison with HICC.</li> <li>4. Liaison with Pollution Control Board</li> </ol>
11	Dr. Nayanjyoti Sarmah	<ol style="list-style-type: none"> <li>1. Inventory Management (Hospital &amp; College)</li> <li>2. NKN, IT, CCTV and other IT related matters.</li> <li>3. HMS.</li> <li>4. Public addressal &amp; Audio/ Video</li> <li>5. Website &amp;</li> <li>6. Equipments-Central Medical Store</li> </ol>
12	Dr. Deepjyoti Saikia	<ol style="list-style-type: none"> <li>1. Central Medical Store</li> <li>2. Central Pharmacy &amp; Dispensing.</li> <li>3. Central Kitchen.</li> <li>4. Liaison with District Police regarding security services and Car Parking.</li> <li>5. Public Grievance redressal management and Feedback system with Dr. Manab N.Baruah.</li> <li>6. COVID-19 related administration &amp; management matters</li> <li>7. Hospital administrative related matters of Casualty.</li> <li>8. EDL &amp; Non-EDL &amp; Surgical Items (CMS)</li> </ol>
13	Dr. Rana Doley, Demonstrator of Microbiology	<ol style="list-style-type: none"> <li>1. Faculty i/c of Security as Member Secy. of Security Supervisory Committee.</li> </ol>

**Moreover, the following matters have been look after by the respective Faculties of JMCH,Jorhat as mentioned below.**

Sl. No.	Name of Faculty	Subject/ Matters
1	Dr. Rituparna Phukan Ray Asso. Prof. of Pharmacology JMCH,Jorhat	<ul style="list-style-type: none"> <li>• BPMU, NHM, JMCH,Jorhat</li> </ul>
2	Dr. Rajat Dutta Roy Asst. Prof. of Anatomy JMCH,Jorhat	<ul style="list-style-type: none"> <li>• Casualty Emergency Services</li> <li>• Atal Amrit Abhiyan Scheme</li> </ul>



### 3.0: HOSPITAL STATISTICS AND ANNUAL BUDGET: JMCH

MRD Report from SEPT.2020 TO AUG.2021

<b>OPD</b>	<b>175,798</b>
<i>Daily Avg</i>	<b>580</b>
<b>IPD</b>	<b>35,249</b>
<i>Daily Avg</i>	<b>97</b>
<b>MAJOR OPERATION</b>	<b>7,336</b>
<b>MINOR OPERATION</b>	<b>7,302</b>
<b>LSCS</b>	<b>4,577</b>
<b>NORMAL DELIVERY</b>	<b>3,945</b>
<b>TOTAL DELIVERY</b>	<b>8,522</b>
<b>LIVE BIRTH</b>	<b>8,325</b>
<b>CASUALTY</b>	<b>71,164</b>
<b>BED OCCUPANCY RATE</b>	<b>96%</b>

Laboratory Reports from SEPT.2020 TO AUG.2021

<i>MICROBIOLOGY TEST</i>	<b>OPD</b>	<b>IPD</b>	<b>TOTAL</b>
<b>MICROBIOLOGY</b>	<b>16,168</b>	<b>30,911</b>	<b>47,079</b>
<b>SEROLOGY</b>	<b>13,051</b>	<b>24,530</b>	<b>37,581</b>

<b>BIOCHEMISTRY</b>	<b>OPD</b>	<b>IPD</b>	<b>TOTAL</b>
	<b>342,791</b>	<b>325,981</b>	<b>668,772</b>

<i>PATHOLOGY</i>	<b>OPD</b>	<b>IPD</b>	<b>TOTAL</b>
<b>HEAMATOLOGY</b>	<b>67468</b>	<b>149616</b>	<b>217084</b>
<b>CLINICAL HEAMATOLOGY</b>	<b>13650</b>	<b>18896</b>	<b>32546</b>
<b>CYTOLOGY</b>	<b>1,397</b>	<b>//</b>	<b>1,397</b>
<b>HISTOPATHOLOGY</b>	<b>//</b>	<b>1,319</b>	<b>1,319</b>

<i>RADIOLOGY</i>	<b>OPD</b>	<b>IPD</b>	<b>TOTAL</b>
<b>XRAY</b>	<b>17563</b>	<b>7,602</b>	<b>25165</b>
<b>USG</b>	<b>8635</b>	<b>6427</b>	<b>15062</b>
<b>CT-SCAN</b>	<b>6826</b>	<b>3197</b>	<b>10023</b>
<b>MRI</b>	<b>826</b>	<b>395</b>	<b>1221</b>
<b>SPECIAL XRAY</b>	<b>582</b>	<b>241</b>	<b>823</b>

**Statement showing the budget provision,release of fund, Expenditure & Savings for the FY 2020-21**

<b>Sl. No .</b>	<b>Head of Account</b>	<b>Budget Provision</b>	<b>Release of Fund</b>	<b>Expenditure</b>	<b>Savings/Surrender against budget Provision</b>
1	01-Salary	506,629,000.00		463,033,265.00	43,595,735.00
2	01-12Arrear	964,000.00		705,496.00	258,504.00
3	01-13-PRA	4,300,000.00		3,199,093.00	1,100,907.00
4	03- 99-Travel Expenses	465,000.00	465,000.00	61,050.00	403,950.00
5	04 -OE- 03 Electricity and Water Charge	29,450,000.00	29,450,000.00	26,896,465.00	2,553,535.00
6	04- OE-04 Office Equipments including Computers & Accessories	2,325,000.00	NIL	NIL	2,325,000.00
7	04- OE- 05 Stationery & Printing of Forms	1,395,000.00	NIL	NIL	1,395,000.00
8	04- OE- 06 Furniture	3,720,000.00	NIL	NIL	3,720,000.00
9	04- OE- 07 Liveries	372,000.00	NIL	NIL	372,000.00
10	04- OE- 08 Maintenance of staff vehicle	372,000.00	NIL	NIL	372,000.00
11	04- OE- 09 Petrol , Oil and Lubricants	3,069,000.00	NIL	NIL	3,069,000.00
12	04- OE- 10 Books & Periodicals	3,069,000.00	NIL	NIL	3,069,000.00
13	04- OE- 13 Hiring of Staff Vehicles	1,860,000.00	NIL	NIL	1,860,000.00
14	04- OE- 98 -Arrears	1,860,000.00	NIL	NIL	1,860,000.00
15	05-05-House Keeping	79,156,000.00	24,877,481.00	24,877,481.00	54,278,519.00
16	05-06-Security Services	13,632,000.00	2,823,730.00	2,823,730.00	10,808,270.00
17	05-98-Arrears	7,010,000.00	2,187,292.00	2,187,292.00	4,822,708.00
18	05-99-Others	465,000.00	NIL	NIL	465,000.00
19	06-01 Rent Rates & Taxes	840,000.00	NIL	NIL	840,000.00



20	07- Publication 99 Others	186,000.00	NIL	NIL	186,000.00
21	10-02-Stipends	133,065,000.00		101,164,550.00	31,900,450.00
22	14-Minor Works-01-Normal	2,046,000.00	NIL	NIL	2,046,000.00
23	15-01-Machinery/Equipments	93,000.00	NIL	NIL	93,000.00
24	15-98-Arrears	1,000.00	NIL	NIL	1,000.00
25	17- 01 Departmental Building	1,860,000.00	1,144,579.00	1,144,579.00	715,421.00
26	17-05 Asset Maintenance	1,860,000.00	NIL	NIL	1,860,000.00
27	17-98-Arrears	2,936,000.00	NIL	NIL	2,936,000.00
28	19 M&S 01 Surgical/ Bandage Items	4,650,000.00	NIL	NIL	4,650,000.00
29	19 M&S 02 Medicine	17,300,000.00	3,645,752.00	3,645,752.00	13,654,248.00
30	19 M&S 03 Diet	29,880,000.00	6,973,189.00	6,973,189.00	22,906,811.00
31	19 M&S 07 Linen and other room furnishing	2,604,000.00	NIL	NIL	2,604,000.00
32	19 M&S 10 Consumables used in Laboratories	4,650,000.00	NIL	NIL	4,650,000.00
33	19 M&S 98 Arrears	15,000,000.00	NIL	NIL	15,000,000.00
34	26 OC- 01 Affiliation Charges	2,906,000.00	1,716,600.00	1,716,600.00	1,189,400.00
35	26 OC- 02 Disaster Management	930,000.00	NIL	NIL	930,000.00
36	26 OC- 04 Organisation of Events/ Fair & Function	930,000.00	NIL	NIL	930,000.00
37	4210-03-105-5983-000-13-99- SOPD-ODS-GA-Improvement of Infrastructure of Tezpur, Barpeta, Jorhat Medical College over a period of 3 years @ 30 crores each(Construction)	245,000,000.00	79,792,943.00	79,792,943.00	165,207,057.00

38	4210-03-105-5983-000-15-01- Machinery & Equipmnts under SOPD-ODS-GA-Improvement of Infrastructure of Tezpur, Barpeta, Jorhat Medical College over a period of 3 years @ 30 crores each(Equipments)	41,500,000.00	22,170,477.00	22,170,477.00	19,329,523.00
39	4210-03-105-3310-567-35-99	178,000,000.00	NIL	NIL	178,000,000.00

Statement for Income & Expenditure

For The Period from 01.10.2020 to 30.09.2021

Jorhat Medical College & Hospital Users Fund, Jorhat

Month	Income	Expenditure
October'20	2,340,525.00	1,109,475.00
November'20	2,870,465.00	2,046,346.00
December'20	3,442,055.00	2,686,382.00
January'21	3,429,363.00	2,624,832.00
February'21	3,474,850.00	2,799,801.00
March'21	6,106,711.00	8,449,109.00
April'21	4,232,136.00	5,487,637.00
May'21	6,789,798.00	1,126,689.00
June'21	8,992,950.00	7,506,250.00
July'21	8,169,771.00	8,057,748.00
August'21	6,414,640.00	7,415,424.00
September'21	6,283,050.00	8,643,539.00
<b>Total</b>	62,546,314.00	57,953,232.00

Statement for Income & Expenditure

For The Period from 01.10.2020 to 30.09.2021

Jorhat Medical College & Hospital CT Scanner Fund, Jorhat

Month	Income	Expenditure
October'20	660,760.00	420,502.82
November'20	863,160.00	1,142,560.82
December'20	958,300.00	1,904.71

January'21	1,247,660.00	1,129,774.95
February'21	1,184,160.00	1,413.00
March'21	1,334,300.00	1,563,696.03
April'21	1,007,760.00	2,074,646.43
May'21	619,260.00	824.82
June'21	675,480.00	609,049.00
July'21	537,540.00	400,177.00
August'21	874,080.00	705,785.25
September'21	1,128,666.00	551,204.30
<b>Total</b>	11,091,126.00	8,601,539.13

Statement for Income & Expenditure

For The Period from 01.10.2020 to 30.09.2021

Jorahat Medical College & Hospital MRI Fund, Jorhat

Month	Income	Expenditure
October'20	216,000.00	588.82
November'20	162,000.00	588.82
December'20	457,200.00	588.82
January'21	244,800.00	588.82
February'21	256,200.00	588.82
March'21	496,800.00	708.00
April'21	526,800.00	
May'21	280,630.00	
June'21	313,200.00	5,280.00
July'21	252,720.00	286,640.00
August'21	224,640.00	
September'21	362,520.00	542,000.00
<b>Total</b>	3,793,510.00	837,572.10



## 4.0: ACADEMIC ACHIEVEMENT: JMC

### I. Result of MBBS 3<sup>rd</sup> Professional Part-II (Regular) Examination, March, 2021

<i>Number of Students appeared</i>	<i>Passed</i>	<i>Pass percentage (%)</i>
88	80	90.91%

Among the first ten positions under the Srimanta Sankaradeva University of Health Sciences, Assam, one student of Jorhat Medical College, Jorhat secured 7<sup>th</sup> Rank in the University and one student obtained Honours in Pediatrics.

### II. Result of MBBS 3<sup>rd</sup> Professional Part-I Examination, April, 2021.

<i>Number of Students appeared</i>	<i>Passed</i>	<i>Pass percentage (%)</i>
96	88	91.7%

Among the first ten positions under the Srimanta Sankardev University of Health Science, students of Jorhat Medical College, Jorhat secured three positions and four students obtained Honours Marks in Community Medicine and four students in Ophthalmology.

### III. Result of MBBS 2<sup>nd</sup> Professional (Regular) Examination, March, 2021.

<i>Number of Students appeared</i>	<i>Passed</i>	<i>Pass percentage (%)</i>
82	66	80.5%

Among the first ten positions under the Srimanta Sankardev University of Health Science, students of Jorhat Medical College, Jorhat secured one position and five students obtained Honours Marks in Pharmacology, one students in Pathology and one student in Microbiology.

### IV. Result of MBBS 1<sup>st</sup> Professional Examination, February, 2021.

<i>Number of Students appeared</i>	<i>Passed</i>	<i>Pass percentage (%)</i>
139	68	48.9%

Five students of Jorhat Medical College, Jorhat obtained Honours Marks in Anatomy.

### V. Result of Post Dragate Examination, February, 2021.

<i>Number of Students appeared</i>	<i>Passed</i>	<i>Pass percentage (%)</i>
5	5	100%

Dr. Prapti Bhuyan and Dr. Reuben P Siyem of Pharmacology secured 2<sup>nd</sup> and 3<sup>rd</sup> positions in the University.



## 5.1: ANNUAL REPORT:

### OFFICE OF THE MEDICAL SUPERINTENDENT: JMC

- **Atal Amrit Abhiyan and PMJAY-Ayushman Bharat:** As part of the initiative by Govt. of India and Govt. of Assam, **PMJAY-Ayushman Bharat** and **Atal Amrit Abhiyan** schemes are being implemented in JMCH, Jorhat. This year, since January, 2021, total 992 nos. of patients under PMJAY and 1218 nos. of patients under Atal Amrit Abhiyan schemes were benefited under different packages in JMCH till 30.09.2021.
- **Amrit Pharmacy** : As part of the initiative by Govt. of Assam, Amrit Pharmacy has been functioning ( 24 x 7) regularly in Jorhat Medical College & Hospital, Jorhat.
- **Blood Donation Camps** : The Blood Bank of JMCH, Jorhat has been attending/organizing various Blood Donation Camp from time to time. This time, from October, 2020 to 30<sup>th</sup> Sept., 2021, **the Blood Bank of JMCH attended almost 21 (twenty one) nos. of VBD Camps** organized by different educational institute, organization, NGOs, Govt. Institute and total 468 nos. of blood units of different categories were collected.
- **Increase of ICU Beds Capacity** : ICU bed capacity was increased to 114 and presently 259 oxygen connected beds are available now at JMCH, Jorhat.
- **Installation of LMOs** : Two (2) nos. of Liquid Medical Oxygen tanks with capacity of 20 thousand ltrs. and 10 thousand ltrs. were installed at JMCH, Jorhat this year in 2021.
- **Record nos. of RT-PCR Test done in VRDL** : In 2021, with providing services 24 x 7, VRDL of JMCH, Jorhat tested 2.5 lakhs RT-PCR tests of COVID-19 within a year.
- **Fight against COVID-19** : As part of the Fight against COVID-19 at JMCH, Jorhat, Since May in 2020, total 3711 nos. of patients were admitted, total 3242 nos. of patients were discharged and total 234 nos. were death cases. In 2021 ( as on 30.09.2021 ) , total 3824 nos. of patients were admitted, total 2929 nos. were discharged and total 462 nos. are death cases till date.
- **Free Dialysis Services:** As part of the initiative by Govt. of Assam, the **free dialysis services** have been provided at JMCH, Jorhat since April, 2020. This year in 2021 from January to September, total 2991 nos. of cases were done at JMCH, Jorhat .
- **Treatment of suspected JE Patients:** Like previous years, necessary medical treatments have been provided to the suspected JE patients in the hospital as per the existing Govt. Rules & Guideline this year also.
- **Training/ Orientation on Medical Record Maintenance** : With a purpose for better and prompt medical record maintenance involving more manpower , a training/ orientation programme on medical record maintenance was organized in MRD of JMCH, Jorhat on 04.10.2021. About 17 nos. of Clerk cum Record Keepers of JMCH, Jorhat had attended the programme.





## 5.2: ANNUAL REPORT - NHM OFFICE: JMC

### A. Performance Report of JSY FUND (October 2020-September 2021)

Month	Total No's of Delivery	No's of JSY Payment	Amount(Rs.)
October'20	944	587	816,200.00
November'20	885	412	568,400.00
December'20	821	447	621,400.00
January'21	740	524	729,600.00
February'21	649	477	663,400.00
March'21	699	593	822,200.00
April'21	570	365	507,000.00
May'21	430	170	233,200.00
June'21	453	160	221,600.00
July'21	563	165	228,600.00
August'21	718	289	403,000.00
September'21	883	420	583,600.00
Total	8355	4609	6,398,200.00

### B. Performance Report of JSSK (Drugs & Consumables) & JSSK ( Blood Transfusion) Fund (2020-21)

Month	Amount Reimburse(Rs.)
October'20-September'21	3,744,400.00

### C. Performance Report of JSSK ( Drugs & Consumables for Delivery Kit) Fund (2020-21)

Month	Amount Reimburse(Rs.)
October'20-September'21	3,789,000.00

**D. Performance Report of SCNU Maintenance Fund (2020-21)**

Opening Balance (Rs.) as on 01.04.20	Fund Received (Rs.)	Total Fund Available (Rs.)	Expenditure(Rs.)
211,488.00	2,613,616.00	2,825,104.00	2,514,699.00

**E. Performance Report of PICU Maintenance Fund (2020-21)**

Opening Balance (Rs.) as on 01.04.20	Fund Received (Rs.)	Total Fund Available (Rs.)	Expenditure(Rs.)
24,894.50	1,400,000.00	1,424,894.50	917,431.00

**F. Performance Report of KMC Maintenance Fund (2020-21)**

Opening Balance (Rs.) as on 01.04.20	Fund Received (Rs.)	Total Fund Available (Rs.)	Expenditure(Rs.)
5,563.00	100,000.00	105,563.00	64,208.00

**G. Performance Report of NRC Maintenance Fund (2020-21)**

Opening Balance (Rs.) as on 01.04.20	Fund Received (Rs.)	Total Fund Available (Rs.)	Expenditure(Rs.)
85,038.00	341,696.00	426,734.00	335,881.60



### 5.3: ANNUAL REPORT OF DEPARTMENT OF MEDICAL EDUCATION, JMC (Period October 2020-September 2021)



*In quest for Newer Horizons through Sublime Transformation*

#### **Background:**

Jorhat Medical College was accorded the status of MCI Regional Centre on the 19<sup>th</sup> of December 2018 during the tenure of former Principal cum Chief Superintendent Professor Debajit Hazarika. The MCI Regional Centre- JMC was formally inaugurated by Professor V.K Paul, Chairman Board of Governors, In Supersession of Medical Council of India in presence of Professor P.V. Vijayaraghavan, Vice Chancellor, Sri Ramachandra Institute of Higher Education and Research (DU) and the then Principal cum Chief Superintendent Professor Atul Chandra Baro on 5<sup>th</sup> of February 2019.

The present NMC Regional Centre Jorhat Medical College caters to a total of 30 (Thirty) Medical Colleges from the North Eastern States and West Bengal.

#### **Details of Affiliated Medical Colleges under RC Jorhat Medical College**

Name of the College	
Assam	
1	Assam Medical College, Dibrugarh
2	Gauhati Medical College
3	Fakhruddin Ali Ahmed Medical College, Barpeta
4	Jorhat Medical College
5	Tezpur Medical College
6	Silchar Medical College
7	Diphu Medical College
Tripura	
8	Tripura Medical College, Agartala
9	Agartala Government Medical College
Meghalaya	
10	North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences.
Manipur	
11	Jawaharlal Nehru Institute of Medical Sciences
12	Regional Institute of Medical Sciences
Sikkim	
13	Sikkim Manipal Institute of Medical Sciences
Arunachal Pradesh	
14	Tomo Riba Institute of Health and Medical Sciences
Mizoram	
15	Zoram Institute of Medical Sciences
West Bengal	

16	Burdwan Medical College
17	Bankura Sammilani Medical College
18	College of Medicine and JNM Kalyani
19	Murshidabad Medical College
20	Midnapore Medical College
21	Diamond Harbour Government Medical College
22	Raiganj Government Medical College
23	Rampurhat Government Medical College
24	Jagannath Gupta Institute of Medical Sciences
25	IQ CITY Medical College
26	Cooch Behar Government Medical College
27	Sri Ramkrishna Institute of Medical Sciences, Durgapur
28	I CARE Institute of Medical Sciences and Research, Haldia
29	Malda Medical College.
30	Deben Mahata Government Medical College, Purulia

**a) Faculty Details**

S/No	Name	Designation	Revised Basic Course Workshop /AETCOM	Advance Course in Medical Education(ACME)/ FAIMER	Curriculum Implementation Support Training(CISP)
1	Prof.(Dr.) Ratna Kanta Talukdar	Professor of Obstetrics and Gynaecology and Principal & Office-in-charge- RC JMC, Jorhat	.....	.....	CISP I on 25 <sup>th</sup> to 27 <sup>th</sup> March 2019 Gauhati Medical College
2	Dr. Purnima Barua	Associate Professor, Dept of Microbiology Convener RC Jorhat	NC CMC- Ludhiana 21 <sup>st</sup> -24 <sup>th</sup> Sep, 2015	FAIMER CMCL 2017 ACME-Batch 2018 A CMC Ludhiana	CISP I at MCI, New Delhi on 23 <sup>rd</sup> & 24 <sup>th</sup> Jan 2019 CISP II Online MCI expert group 17-19 June 2020
3	Dr. Manab Narayan Baruah	Associate Professor, Dept of Paediatrics and Co- Convener RC Jorhat.	NC-CMC, Ludhiana 24 <sup>th</sup> -27 <sup>th</sup> Oct, 2016	ACME-Batch 2018 A CMC Ludhiana	CISP I at MCI, New Delhi on 23 <sup>rd</sup> & 24 <sup>th</sup> Jan 2019 CISP II Online MCI expert group 17-19 June 2020
4	Prof (Dr.) Bishnu Ram Das	Professor and Head, Dept of Community Medicine	NC-CMC, Ludhiana 17 <sup>th</sup> -20 <sup>th</sup> April , 2017	ACME 2015 B- CMCL	CISP I - on 12 <sup>th</sup> to 14 <sup>th</sup> September , 2019 at MCI RC for MET JMC, Jorhat Online CISP II by expert group MCI on 17-19 June 2020
5	Dr. Hemonta Kumar Dutta	Professor, Dept of Paediatrics Surgery	NC-CMC, Ludhiana 21 <sup>st</sup> - 24 <sup>th</sup> Sep, 2015	ACME-Batch 2018A CMCL	CISP I on 13 <sup>th</sup> to 15 <sup>th</sup> February, 2019 at RC-JMC
6	Dr. Geetanjali Gogoi	Professor, Dept of Pathology	RC JMC, Jorhat 10 <sup>th</sup> -12 <sup>th</sup> May, 2017	ACME 2018B CMCL	CISP I on 27 <sup>th</sup> to 29 <sup>th</sup> March 2019 at Gauhati

					Medical College Online CISP II by expert group MCI on 17-19 June 2020
7	Dr. Atanu Chakravarty	Associate Professor, Dept of Microbiology And Resource Faculty RC Jorhat	RC, JMC, Jorhat 9 <sup>th</sup> -11 <sup>th</sup> Sep, 2019	ACME 2020A CMCL	06-05-2019 to 08- 05-2019 AT MCI, RC-JMC Jorhat. CISP II webinar MCI expert group 17-19 June 2020
8	Dr Anupi Das	Associate Professor, Dept of Physiology And Resource Faculty RC Jorhat	NC-CMC, Ludhiana 17 <sup>th</sup> -20 <sup>th</sup> April 2017	ACME 2015 B CMC Ludhiana	CISP-RC_JMC on 5 <sup>th</sup> and 6 <sup>th</sup> February, 2019
9	Dr. Pranabika Mahanta	Assistant Professor, Department of Obstetrics &Gynaecology and Resource Faculty RC	NC-CMC Ludhiana 25 <sup>th</sup> -28 <sup>th</sup> April 2018	ACME 2015 B CMC Ludhiana	CISP-RC_JMC on 5 <sup>th</sup> and 6 <sup>th</sup> February, 2019
10	Dr. Trishna Dutta	Assistant Professor, Department of Physiology and Resource Faculty RC	NC-CMC Ludhiana 17 <sup>th</sup> - 19 <sup>th</sup> April 2017	ACME-Batch 2018 A CMC Ludhiana	CISP-RC_JMC on 5 <sup>th</sup> and 6 <sup>th</sup> February, 2019
11	Dr. Angshurekha Das	Assistant Professor, Department of Microbiology and Resource Faculty RC	NC-CMC, Ludhiana, 24 <sup>th</sup> - 27 <sup>th</sup> October, 2016	ACME 2019 A CMC Ludhiana	CISP-RC_JMC on 5 <sup>th</sup> and 6 <sup>th</sup> February, 2019
12	Dr. Manabjyoti Gohain	Assistant Professor, Department of Surgery and Resource Faculty RC	NC-CMC Ludhiana 25 <sup>th</sup> -28 <sup>th</sup> April 2018	ACME 2019 A CMC Ludhiana	CISP-RC_JMC on 5 <sup>th</sup> and 6 <sup>th</sup> February, 2019
13	Dr. Nilutpal Bhattacharjee	Assistant Professor, Department of Surgery and Resource Faculty RC	NC-CMC Ludhiana 20 <sup>th</sup> -24 <sup>th</sup> April, 2018	ACME 2019 B CMC Ludhiana	CISP-RC_JMC on 5 <sup>th</sup> and 6 <sup>th</sup> February, 2019
14	Dr. Aditya Prasad Sarkar	Professor, Dept of Community Medicine, Bankura Sammilani Medical College, West Bengal	Regional Centre, KGMU, Lucknow 22 <sup>nd</sup> -25 <sup>th</sup> March, 2017.	FAIMER PSG- Coimbatore-2018, ACME 2019 B	CISPI –RC_JMC from 19 <sup>th</sup> to 21 <sup>st</sup> February, 2019
15	Dr. Yookarin Khonglah	Associate Professor, Department of Pathology, NEIGRIHMS, Shillong	Regional Centre, KGMU, Lucknow 22 <sup>nd</sup> -25 <sup>th</sup> March, 2017.	ACME 2017 B- Wardha	CISP I –RC_JMC from 19 <sup>th</sup> to 21 <sup>st</sup> February, 2019
16	Dr. Abhijit Datta	Associate Professor, Dept of Pathology, Agartala Govt Medical College, Tripura	RC SCB Medical College, Cuttack 24 <sup>th</sup> -27 <sup>th</sup> August, 2015	FAIMER 2015 CMCL	CISP-RC_JMC from 13 <sup>th</sup> to 15 <sup>th</sup> February, 2019



17	Dr. Rumi Deori	Professor, Dept of Biochemistry, Lakhimpur Medical College	Assam Medical College, Dibrugarh 6 <sup>th</sup> - 9 <sup>th</sup> June, 2018	ACME 2018 B-CMCL	CISP I on 7 <sup>th</sup> to 9 <sup>th</sup> March 2019, Assam Medical College, Dibrugarh under RC Jorhat
18	Dr Dechenla Tshering Bhutia	Professor and HOD, Community Medicine, SMIMS Gangtok	SCB Medical College, Cuttack (Regional Centre) 10 <sup>th</sup> -13 <sup>th</sup> October 2017	3rd batch ACME from Sri Ramachandra Medical College, Chennai (2015-16)	CISP I 1 <sup>st</sup> – 3 <sup>rd</sup> May 2019 Sikkim Manipal Institute of Medical Sciences, Gangtok, Sikkim
19	Dr Manoj Balaji Patki	Associate Professor, Department of Community Medicine Zoram Medical College	Regional Center, Jorhat Medical College, Jorhat 9 <sup>th</sup> -11 <sup>th</sup> September 2019	ACME Batch 2020B CMCL	CISP – I 6 <sup>th</sup> to 8 <sup>th</sup> May 2019, Regional Center, Jorhat Medical College
20	Dr Rocket Chandra Brahma	Associate Professor Department of Surgery, Assam Medical College	CMC, Ludhiana (NC), 24 <sup>th</sup> -27 <sup>th</sup> October 2016.	ACME 2019A CMCL	19 <sup>th</sup> - 21 <sup>st</sup> February, 2019 at RC Jorhat

**b) Faculty Development Trainings conducted under RC JMC(Period: October 2020-September 2021)**

**CISP II training (2020-2021): Overcoming challenges due to the pandemic.**

The CISP II- the second version of the Curriculum Implementation Support Program was rolled out by Academic Cell to implement the new curriculum targeting the second phase of the MBBS course. Due to the COVID pandemic situation, the training program was conducted in two phases- initial online training from RC JMC for faculty of affiliated colleges followed by onsite training at the college level which was observed online by nominated observer from RC JMC.

<b>CISP II under aegis of RC JMC : October 2020-September 2021</b>				
S/no	Name of the College	Dates	Observer details	No of participants
1.	Malda Medical College, West Bengal	10/11/2020-11/11/2020	Dr Yookarin Khonglah	30
2.	Agartala Govt Medical College	08/10/2020-09/10/2020	Dr Atanu Chakravarty	30
3.	Midnapore Medical College, West Bengal	25/11/2020-26/11/2020	Dr Purnima Barua	30
4.	ICARE Institute of Medical Sciences and Research Haldia	29/12/2020-30/12/2020	Dr Purnima Barua	27
5.	Jorhat Medical College	29/01/21- 30/01/21	In house	29

**Revised Basic Course Workshop –Year 2021**

As per the current NMC regulations, certification in Revised Basic Course Workshop and Training in AETCOM is a mandatory promotional requirement for medical college faculty w.e.f. January 2022. In fulfillment of this mandate, all Nodal and Regional Centres for Faculty Development under NMC including RC JMC is currently engaged in organization of RBCW training for faculty of all its affiliated medical colleges.

Details of RBCW trainings conducted under the aegis of RC JMC (Year 2021)

Sl/No	Date	Name of College	Observer details	Number of participants
1	11-13 March	NEIGRIHMS, Shillong.	Dr M N Baruah	30
2	16-18 March	Bankura Sammilani Medical College	Dr Hemonta Dutta	30
3	15 <sup>th</sup> -17 March	Jorhat Medical College	.....	30
4	17-19 March	Murshidabad Medical College	Dr Atanu Chakravarty	30
5	23-25 March	RIMS, Imphal	Dr Rumi Deori	30
6	30 <sup>th</sup> March -1 <sup>st</sup> April	Rampurhat Government Medical College	Dr Abhijit Dutta	30
7	30 <sup>th</sup> March-April 1	Assam Medical College	Dr Purnima Barua	30
8	5 <sup>th</sup> -7 <sup>th</sup> April	SMIMS, Gangtok.	Dr M N Baruah	30
9	29 <sup>th</sup> -31 <sup>st</sup> July	JMC In house	-----	30
10	3 <sup>rd</sup> -5 <sup>th</sup> August	JMC In house	-----	30
11	10 <sup>th</sup> -12 <sup>th</sup> August	Assam Medical College	Dr M N Baruah	30
12	23 <sup>rd</sup> - 25 <sup>th</sup> August	IQ CITY Durgapur	Dr Anupi Das	30
13	23 <sup>rd</sup> - 25 <sup>th</sup> August	Gauhati Medical College	Dr Purnima Barua	30
14	24 <sup>th</sup> -26 <sup>th</sup> August	Diamond Harbour Government Medical College	Dr Geetanjali Gogoi	30
15	1-3 September	Burdwan Medical College	Dr Abhijit Datta	29
16	1-3 September	Deben Mahata Government Medical College, Purulia.	Dr AP Sarkar	30
17	13 <sup>th</sup> -15 <sup>th</sup> September	Tripura Medical College Tripura	Dr Abhijit Datta	30
18	14-16 September	FAAMC, Barpeta	Dr Purnima Barua	30
19	14-16 September	JGIMSH Budge Budge	Dr Yookarin Khonglah	30
20	21-23 Sep	Tezpur Medical College	Dr M N Baruah	29
21	21-23 Sep	Raiganj Government Medical College	Dr Dechenla Tshering Bhutia	30
22	21-23Sep	Bankura Sammilani Medical College	Dr Rumi Deori	30
23	28-30 Sep	RIMS, Imphal	Dr Hemonta Dutta	30
24	29Sep- Oct 1	Midnapore Medical College	Dr Atanu Chakravarty	29

**Other activities conducted by Department of Medical Education (October 2020-September 2021)**

- Workshop on Assessment in CBME was conducted on 23<sup>rd</sup> December 2020. It was attended by faculties from Assam Medical College, Gauhati Medical College, Diphu Medical College, Silchar Medical College, Tezpur Medical College.
- Internship Orientation Program on 10<sup>th</sup> -11<sup>th</sup> March 2021.

**c) Achievements/Publications of DoME faculty (Period October 2020-September 2021)**

Name of faculty	Details of publication
Dr Anupi Das	Impact of Case Based Learning in understanding Physiology, Dr Anupi Das , Dr Purnima Barua, Dr Pranabika Mahanta, Indian Journal of Applied Research: Volume 11/issue7/ July 2021
Dr Purnima Barua	
Dr Pranabika Mahanta	



**NMC RC**



**OSCE WORKSHOP DEMONSTRATION- RBCW 2021**



**VALEDICTORY FUNCTION- RBCW 2021**



**SECTION OF PARTICIPANTS - RBCW 2021**

**JMCH Reflections-** an ongoing series of online webinars on the zoom platform live streamed on face book. Nodal faculty in charge: Dr N N Ganguly, Associate Professor of Surgery  
Core Committee Members:

SL NO	NAME	DESIGNATION & DEPARTMENT	CORE TEAM
01	Dr.Narendra Nath Ganguly	Associate Professor, Department of Surgery	Nodal Faculty
02	Dr.Nilutpal Bhattacharjee	Assistant Professor, Department of Surgery	Member
03	Dr.Manab Jyoti Gohain	Assistant Professor, Department of Surgery	Member
04	Dr.Trishna Dutta	Assistant Professor, Department of Physiology	Member
05	Dr.Binita Bhuyan	Demonstrator, Department of Microbiology	Member
06	Dr.Rajat Dutta Roy	Assistant Professor, Department of Anatomy	Member
07	Dr.Deepjyoti Saikia	Registrar, Department of Medicine	Member

**Details of JMCH Reflections conducted:**

Sl. No.	Date of Webinar	Topic of Webinar	Name of Presenting Faculty	Moderator
1	21.07.2021	1. Anatomy of the lower limb veins 2. Varicosity of lower limb veins	1. Dr. Sudipto Paul 2. Dr. Arijit Rumu Baruah	1. Dr. N. N Ganguly 2. Dr. M.J. Gohain
2	28.07.2021	1. Anatomy of the female pelvic organ 2. Adnexal mass in females in	1. Prof. Ruby Saikia 2. Prof R.K Talukdar,	1. Dr. N.N Ganguly

		reproductive age group- The challenges	<b>Principal JMCH</b>	<b>2. Dr. M.J Gohain</b>
3	11.08.2021	1. Development of Female breast and basic Physiological Changes during Different stages of life 2. Imaging of Female breasts and Mammography.	<b>1.Dr. Dipti Bania</b>  <b>2. Dr. Sangeeta Kalyan</b> from <b>CANADA</b>	<b>1. Prof. Deep Roy</b>  <b>2.Dr. Trishna Dutta Gohain</b>
4	25.08.2021	1.Anxiolytic Drugs: An Overview 2.The damaging effects of a pandemic on global mental health: lessons learnt and mitigation strategies.	<b>1.Prof. Meghali Chaliha</b>  <b>2.Dr. Barnali Bhattacharjee ,</b>  <b>USA</b>	<b>1.Prof Kamala Deka</b>  <b>2.Dr. Swapnanil Gohain</b>
5	08.09.2021	1.Artificial Intelligence and Machine learning  2.On the way of robots on the surgical practice: where we are and to where they are going.	<b>1.Dr. Rohit Goswami</b> from <b>Bangalore</b>  <b>2.Prof. James Skinovsky ,</b>  <b>Curitiba, Brazil</b>	<b>1. Dr. Trishna Dutta Gohain</b>  <b>2. Dr. Nilutpal Bhattacharjee</b>
6	01.09.2021	1.Cornea Transplantation- Surgical Techniques and other aspects.  2. The Basis of Eye donation with an introduction to corneal transplantation	<b>1. Dr. Anindya S Chakrabarty</b> EYE Consultant EVROMED Med Centre <b>Tashkent, Uzbekistan</b>  <b>2.Dr. Syamanta Boruah, JMCH</b>	<b>Prof (Dr.) T. Gogoi.</b>
7	22.09.2021	1.Challenges of Anesthesia during Laparoscopic Surgeries  2.Minilaparoscopy: Small Instruments, Great Procedures	<b>1.Dr. Pollov Borah,</b>  <b>2.Prof. Gustavo Carvalho PhD.</b> Professor of General Surgery. University of Pernambuco.  <b>Recife. Brazil.</b>	<b>1.Dr. Kannauj Swargiri</b>  <b>2.Prof.(Dr) Atul Ch Baro.</b>
8	06.10.2021	1.Lupus and Pregnancy: An overview 2.Role of Immune checkpoint therapy in Cancer Treatment	<b>1.Prof. (Dr.) Anup Kumar Barman</b> MD, DM (Nephro). <b>DME, Assam</b> <b>2.Dr. Sangeeta Goswami</b> MD, PhD <b>University of Texas MD Anderson Cancer Center. USA</b>	<b>1.Prof. (Dr.) Ratna Kanta Talukdar</b> MD Principal Cum Chief Superintendent i/c, Jorhat Medical College, Jorhat <b>2.Dr. Purnima Baruah</b> MD. Superintendent i/c, Jorhat Medical College, Jorhat





## 5.4: ANNUAL REPORT: NURSING SUPERINTENDENT, JMCH

Nursing service is an integral part of JMCH , Jorhat , which aims at quality nursing care to the patient and society. The core health care provider of JMCH nurses always try their level best to render effective care to meet the needs of patients as well as their families. The nurses of JMCH, work in an cooperative environment that encourage nurses in providing service to the patients which is based on three essential component i.e. Care, Cure and Coordination.

### 1. NURSING STAFF POSITION:

Designation	Nos of sanction post	Nos of occupied post	Nos of vacant post
Nursing Superintendent	3	3	Nil
Deputy Nursing Superintendent	3	Nil	3
Asst. Nursing Superintendent	9	1	8
Sister Incharge	44	29	15
O.T. Nurse	10	Nil	10
Staff Nurse	354	334	20

**Staff Nurses under NHM working in JMCH – 99 nos.**

### 2. PROFESSIONAL SERVICES:

- The main workforce strength of nursing service of JMCH is constituted by well trained professionally qualified Nursing Administrators & nurses. Nurses render 24x7 hours services in the Hospital including different department's general ward , specialized area like Intensive Care Unit, Special Newborn Care Unit, COVID 19 WARD & ICU, Operation Theatres etc .
- At present a team of infection control nurses dedicatedly works in hospital for prevention and control of hospital infection under the guidance of expert .
- Since 2020 March till date Nurses of JMCH render their services smoothly in COVID 19 positive area (Triage & Suspect, Ward, ICU, OTs) on rotation basis .
- Frequently, nurses attend special duties as and when required .
- Staff nurses of JMCH render their services in COVID vaccination session of JMCH from the very beginning along with other team members.

**Staff development initiative:** To update the knowledge of nursing staffs, following in service orientation and education program was conducted.

- Orientation program was conducted for newly posted nursing staffs of JMCH, regarding various departments, organization setup, physical layout, facilities, OPD schedule, organization setup of nursing service and the line of authority along with their job responsibilities.
- Periodic group discussion is conducted among ward In-charges regarding material management and ward management.
- Frequent bedside teaching session conducted for staff nurses in the ward during hospital round .some of the topic covered are “Nursing responsibility in waste management & infection control”, “Safety administration of medicine”, “Care of dying and death”, “care of an unconscious patient”, “nurses and importance of communication”, “breast feeding assessment and counseling of lactating mothers”, “legal hazards in nursing” etc ,



- Under the guidance of Anesthesia Department and sister In-charge of ICU, some of the staff nurses were oriented and trained in the ICU .

### 3. TRAINING AND EDUCATION :

- Six nos staff nurses are studying Post Basic BSc Nursing Course under Distance Education Learning
- One staff nurse is studying Post Basic BSc Nursing Course under IGNOU .
- Six Nos of staff nurses (Under NHM ) are going for six month training course for Community Health Officer .
- Some of the staff nurses are trained in SBA (skilled Birth Attendant ) training & FBNC ( Facility Based Newborn Care ) who are working in MCH, JMCH .

#### Nursing Students from other Institution for clinical Exposure in JMCH , Jorhat

Sl. No	Name of the Nursing School /Institution	Duration	Nos of students
1.	School of Nursing ,JCMC ,Jorhat	3months ,March/21 to May /21	41
2.	Jorhat Institute of Nursing Kakojan , Jorhat .	6months , April 21to Sept 21	29
3.	VKNRL School of Nursing , Numaligarh ,Golaghat	3months , March/21 to May /21	37
4.	Assam Nursing Institute ,Titabor, Jorhat	6 Months , January/21 to June /21	42
5.	Regional Institute of Nursing & Paramedical Technology	2 Months	18

### IMPORTANT EVENTS:

Like every year, “ International Nurses Day “was observed on 12<sup>th</sup> May /2021 by maintaining COVID protocol .

- On this Day , JMCH nurses offered Tribute to the departed souls of Six nos of young nurses of JMCH , who have left us.
- Nursing staffs of JMCH offer financial helping hand to Bharoti Borah Staff Nurse during her crisis period by providing Rs. 53,200 /-(Fifty thousands two hundred ) .



## 5.5: ANNUAL REPORT – CENTRAL LIBRARY: JMC

The Central Library of JMC is laid over 1600sq meter area and is accessible to the students (Undergraduate, Post Graduate and Paramedical students), faculty and staff of Jorhat Medical College.

### Library Collection:

1. **Printed materials:** The Library has approx 10000 books of biomedical and allied sciences. (Including both text and reference books). Back volume journals are available up to 2017.
2. **E-resources:** Presently 245 E- Journals can be accessible through ERMED Consortium. Free E-databases are also available for the library users.
3. **Audio Visual:** About 400 Nos. of CD's cum DVD's are available.

**E- Library:** For providing effective infrastructure for digital library, 50 computers have been installed in the central library and all are connected to the internet. The Internet facility is provided by the National Knowledge Network (NKN). Wi-Fi facility is available for the library users.

### Details:

Sl. No.	Activities	Qty.
1	Total Number of Current Journals (e-journals)	245
2	Total Number of Back Volume Journals	185
3	Books Issued for students (MBBS + Paramedical)	657
4	Books Issued for (PG + Faculty)	78
5	Number of Library Membership	187
6	Total Number of Personal Book User	784
7	Total number of Library Visitor	1863
8	Books Purchased for the Current Year	Nil
9	Total Number of Internet Users	163
10	Total Number of Library Clearance	237
11	Total Number of Books (SC Book Bank)	84
12	Book Exhibition Held in the Central Library	Nil



## **5.6: ANNUAL REPORT – JUNIOR DOCTORS’ ASSOCIATION: JMCH**

From the inception to the formation of a fully functional Association, JDA JMCH has worked relentlessly for the betterment of the entire medical fraternity. As our tenure comes to an end, we the JDA JMCH 2020-21 would like to thank our esteemed colleagues for the constant encouragement and support that you have showered us with during the entire year. As we have handed over our charges to the new Executive body following successful completion of JDA Elections 2021, we hope that they receive the same enthusiasm during their tenure. With your help and cooperation JDA JMCH 2020-21 has conducted various activities as follows:

- Constitution of JDA JMCH
- Logo of JDA JMCH
- Opening of bank account
- PAN Card of JDA JMCH
- A fully furnished office
- Cloth Bank
- Registration of our association( under process)
- Foundation Day Volleyball Tournament
- Annual Sports meet
- Newsletter
- Four sessions of dry ration distribution ceremony in collaboration with Akshay Patra Foundation
- Felicitation of the COVID Warriors of JMCH
- Initiation of talks with the authorities regarding PG boys’ and Girls’ hostel inside campus
- Dr. Pratyush Kaushik Memorial Blood Donation Drive
- Initiating the process of a 24 hour canteen
- Joining Hands with JMCTA in World Environment Day Plantation Drive
- Collaboration in organizing Republic Day and Independence Day
- A firm stand towards justice for all our colleagues who suffered atrocities in line of duty

We hope that we work hand in hand with the coming JDA-JMCH 2021-22 and give them the support for the betterment of Jorhat Medical College and Hospital and the entire fraternity.

Thanking you,  
JDA JMCH 2020-21,



## 5.7: ANNUAL REPORT – JMCH STUDENTS’ ASSOCIATION:

Time flies. It feels like only yesterday when we embarked on our tenure as union members by the oath-taking ceremony on 5<sup>th</sup> September, 2019. Now if we match it with the current date, it has been 2 years which sound like a vast span of time for a union. Sadly, a major part of it was occupied by the unprecedented COVID-19.

While we were excited and motivated to bring our innovative ideas to life and organise extravagant events when we were in the pre-COVID era, but some of these remained as just plans due to the virus which bounded us to remain indoors for a significant part of our tenure. But we hope that the succeeding union will carry forward these ideas and turn them into a reality.

As we come towards the end of our long tenure, we sat down to reflect on what we did in this period. And we were quite proud on accomplishing so many things in spite of the difficulties and uncontrollable events of COVID-19.

Here is a short compilation of the events and our accomplishments that we are extremely proud of:

- ✦ Assistance to JMCSA 2018-19 in organising Freshmen Social, 2019.
- ✦ Assistance to 9<sup>th</sup> batch in organising Teachers’ Day, 2019.
- ✦ 8<sup>th</sup> September, 2019: Celebration of birth anniversary of Late Dr. Bhupen Hazarika with performance of songs, speeches and candle illumination.
- ✦ 22<sup>nd</sup> September, 2019: Organisation of a quiz competition was held under the aegis of Vivekananda Kendra.
- ✦ 22<sup>nd</sup> September, 2019: Organisation of health camp at Tocklai tea estate with primary focus on awareness about antenatal care, menstrual hygiene and family planning. Sanitary pads, iron tablets and folic acid tablets were distributed among the women of reproductive age group along with a variety of drugs including ointments (Povidine, Framycetin, Miconazole), calcium tablets, cough syrups, paracetamol tablets and ORS sachets among the people.
- ✦ 12<sup>th</sup> October, 2019: Organisation of first major event-10<sup>th</sup> Foundation Day which started with the walkathon to spread awareness among the people about the harmful effects of using plastic. This was followed by a blood donation camp, General Meeting and Felicitation programme and ended with a vibrant cultural night with participation from teachers, students and staff.
- ✦ 4<sup>th</sup> November, 2019: Organisation of a demonstration session for promoting communication and public speaking skills in association with Toastmasters International (TI), a non profit educational organisation.
- ✦ JMCH, November 5, 2019: Organisation of a tribute event on the occasion of 8th death of Late Dr. Bhupen Hazarika which included speeches, songs and a documentary.
- ✦ Celebration of Diwali, 2019
- ✦ 16<sup>th</sup> November, 2019: Organisation of a seminar in association with Vivekananda Kendra, Jorhat branch about the objectives of the organisation and the history of the Vivekananda Rock memorial at Kanyakumari. Participants of Quiz Competition (organised on 22<sup>nd</sup> September, 2019) were facilitated with their respective awards and participation certificates.
- ✦ 19<sup>th</sup> November, 2019: Assistance in organising the inauguration ceremony of the 8th edition of the annual college magazine 'JEEPAL' and also to mark the beginning of a new literary venture 'SAHITYA SURABHI' by Dr. Meghali Chaliha madam (HOD, Dept. Of Pharmacology, JMCH) and other respected faculties of the institution.
- ✦ 26<sup>th</sup> November, 2019: Celebration of Constitution Day, where the importance of the Constitution and its uniqueness was reflected on.
- ✦ 1<sup>st</sup> December, 2019: Celebration of Worlds’ AIDS day on 1<sup>st</sup> December, 2019: A number of events were organised keeping in mind the 2019 theme of "Ending the HIV/AIDS epidemic: Community by Community". Started with a poster making competition, a seminar, followed by a street play which was performed in front of the MCH for creating awareness on AIDS related illnesses along with distribution of pamphlets mentioning the prevention of AIDS and taking care of AIDS patients among the hospital visitors during the play. An awareness drive was organised during which interested students visited hospital wards and spread awareness among the admitted patients and their attendants. The day ended with a quiz competition and the prize distribution ceremony.. The prize distribution ceremony was held after that.
- ✦ 26<sup>th</sup> January, 2020: Celebration of Republic Day. Various patriotic speeches and performances were delivered, along with the flag hoisting programme.
- ✦ 29<sup>th</sup> January, 2020: Celebration of Saraswati Puja.
- ✦ 5<sup>th</sup> March, 2020: Organisation of Alfaaz -" an open mic night in association with 'KOLPORGOLPO'.

- ✦ 14<sup>th</sup> march, 2020: Few events (poster making, poem writing, story writing, hair do, salad making competition) were started but halted due to the unprecedented announcement of lockdown due to COVID-19.
- ✦ Flood relief donation drive: Collection of an amount of rupees 20500 from the students of JMCH, which were distributed to flood affected villages, in association with Zomato Feeding India.
- ✦ Online writing competitions organised during the span of lockdown by the Notiziario Team.
- ✦ 15<sup>th</sup> August, 2020: Organisation of online doodle art competition on the account of Independence Day 2020, along with online performance of patriotic songs by students. A tribute video was uploaded for applauding the tremendous efforts of COVID-19 frontline workers,
- ✦ 26<sup>th</sup> January, 2021: Celebration of 72<sup>nd</sup> Republic day, which comprised various speeches, patriotic song and dance performance along with a Bihu.
- ✦ 16<sup>th</sup> February, 2021: Organisation of Saraswati puja with the traditional feast.
- ✦ 20<sup>th</sup> June, 2021: Organisation of Online Rabha Divas with noteworthy performances.
- ✦ Participation in song making process of the “special song” to be released soon under the leadership of Dr. Kamala Deka (HOD, Department of Psychiatry).
- ✦ Addition of 5 standard medical textbooks and 109 non-medical books to the college library.
- ✦ Ongoing process for publishing the annual college magazine which is to be released soon.

While compiling this list, we all had flashbacks of these events which gave us mixed feelings. On one hand we were emotional and sad for coming to an end of the tenure, on the other we feel grateful for getting this opportunity to serve JMCSA which surely helped us to grow and come out as a better individual, and the memories of which we will cherish for life.

Long live, JMCSA!!  
JMCSA 2019-21



## 5.8: ANNUAL REPORT – JMCH EMPLOYEES’ ASSOCIATION: JMCH

### 1) **KARMACHARI SWAHID DIVAS :**

The Jorhat Medical College & Hospital Employees’ Association had participated in the *Karmachari Swahid Divas* program organized by **Jorhat Zila Karmachari Parishad** in the Karmachari Bhavan on 1<sup>st</sup> Nov’2020. Every year it is observed in memory of those members who laid their lives during the Assam Agitation.

### 2) **DR. BHUPEN HAZARIKA’S DEATH ANNIVERSARY :**

Dr. Bhupen Hazarika was remembered on his 9<sup>th</sup> death anniversary on 5<sup>th</sup> Nov’2020. To mark the occasion, a musical evening and candle lighting ceremony was organized by the JMCHEA. The programme ended by the chorus song “*Manuhe manuhor babe..*”, which was sang by all including the Principal cum Chief Superintendent i/c and the Superintendent i/c of JMCH, Jorhat.

### 3) **SHRADHANJALI TO TARUN GOGOI :**

On 26<sup>th</sup> Nov’2020, the JMCHEA had organized a *shradhanjali* program to pay tribute to the ex-Chief Minister of Assam, Late Tarun Gogoi on his death anniversary on this day.

### 4) **DISTRICT ACTIVITIES:**

- a. JMCHEA participated in the Bi-annual conference of Jorhat Zila Karmachari Parishad on 28<sup>th</sup> Nov’2020. Sri Diganta Hazarika and Sri Bikash Bordoloi were nominated as the Vice President and Joint Secretary in the new District Body.
- b. JMCHEA was also included in Jorhat District Govt. NPS Employees’ Association. Sri Khagen Saikia was nominated as Working President.

### 5) **PARTICIPATION IN THE NATIONAL FESTIVALS :**

Joining hands together with the Nation in general and JMCH, Jorhat in particular, the Jorhat Medical College & Hospital Employees’ Association had participated in the Republic Day and Independence Day programmes at JMCH, Jorhat.

### 6) **SILCHAR CONFERENCE :**

Attended the 6<sup>th</sup> Bi-annual conference of All Assam Medical College & Hospital Employees’ Association (AAMCHEA) in Silchar Medical College & Hospital on 29<sup>th</sup> & 30<sup>th</sup> January 2021. Sri Diganta Hazarika was elected as the All Assam President continuously for the second term.

### 7) **FELICITATION TO THE HEALTH MINISTER :**

The JMCHEA felicitated Mr. Kashab Mahanta, Hon’ble Health Minister of Assam on 22<sup>nd</sup> June 2021 during the visit of the Hon’ble Minister at JMCH, Jorhat and handed over a memorandum and exchanged few talks on issues of the employees.

### 8) **DOCTOR’S DAY:**

JMCHEA participated in the Doctor’s Day program, also felicitated Dr. Uttam Kr. Nath, Dept. of Medicine, for his IMA Covid Warrior Award.

### 9) **CONTRIBUTION TO ARUGYA NIDHI:**

During the visit of the Hon’ble Chief Minister of Assam at JMCH, Jorhat on 19th August, 2021, JMCHEA handed over a Cheque of Rs. 30,000/- (Rupees Thirty Thousand) only as a contribution to the CM’s Arugya Nidhi Fund. The JMCHEA also felicitated Dr. Himanta Biswa Sharma, the Hon’ble Chief Minister of Assam and handed over a memorandum stating different issues of the employees.



## 6.1: ANNUAL REPORT – DEPARTMENT OF ANATOMY

### LIST OF FACULTIES:

Dr. Rubi Saikia, Professor & HOD  
Dr. Debabani Bora, Associate Professor  
Dr. Rajat Dutta Roy, Assistant Professor  
Dr. Santona Thakuria, Assistant Professor  
Dr. Sudipto Pal, Assistant Professor  
Dr. Jyotirekha Gogoi, Demonstrator  
Dr. Mousumee Saikia, Demonstrator  
Dr. Santosh Kumar Sahu, Demonstrator  
Dr. Mishmee Paul, Demonstrator

### 1. ACADEMIC ACTIVITY:

a) No. of Undergraduate seminar conducted:

No. of Seminar	Name of the Topic	Moderator
7	1. Stomach	Dr. Debabani Bora
	2. Diaphragm	Dr. Rajat Dutta Roy
	3. Dural Venous Sinuses	Dr. Santona Thakuria
	4. Uterus	Dr. Sudipto Pal
	5. Spleen	Dr. Debabani Bora
	6. Brachial Plexus	Dr. Rubi Saikia
	7. venous Drainage of Lower Limb	Dr. Rubi Saikia

b) No. of Horizontal integrated Classes conducted: In the new CBME curriculum a number of topics have been horizontally integrated and aligned with Physiology and Biochemistry Departments, across phase I

c) 2 (Two) Years PG Course and 3(three) Years PG Course (Seminars conducted):

No. of Seminar	Name of the Topic	Moderator	Presenter
5	1. Parts of a long Bone and its Blood supply and Ossification.	1. Dr. Rubi Saikia	Dr. Babli Gogoi, PGT
	2. General Joint		
	3. Mammary Gland	2. Dr. Rubi Saikia	
	4. Arches of Foot	3. Dr. Debabani Bora	
		4. Dr. Santona Thakuria	
	5. Blood Supply of Heart	5. Dr. Sudipto Pal	

### 2. SCIENTIFIC PUBLICATIONS:

Topic	Name of the author	Journal Name	Vol.(Issue)& Page Nos.	National / International
A Clinical Study on the agenesis of Palmaris longus muscle among medical students.	Rubi Saikia	International Journal of Scientific research (IJSR)	Vol. 9, Issue-12, Pg 16-18. December 2020.	International
Comparison of Height,	Manumati Munglang,	National Journal	Vol. 9, Issue-4,	

Hand Length and Foot Length between the tribal and Non tribal population of North East India	Debabani Bora, Rajat Dutta Roy Anuradha Hazarika Medhi	of Clinical Anatomy (NJCA)	pg. 146-150 October,2020	<b>National</b>
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### 3. RESEARCH WORK DONE/ UNDERGOING IN THE DEPARTMENT:

(i) Research work undergoing in the department: research on various parameters placenta, umbilical cord, new born and their parents is undergoing as part of Ph.D. Programme of Dr. Santosh Kumar Sahu, Demonstrator, Anatomy under Guide ship of Dr. Rup Sekhar Deka, Associate Professor of Anatomy, GMCH, Guwahati, Co guide ship of Dr. Shaidul Islam Bora, Associate Professor Department of Obstetrics & Gynaecology, JMCH and Co guide ship of Dr. Manab Narayan Baruah, Associate Professor, Department of Paediatrics, JMCH under Srimanta Sankaradeva University of Health Sciences, Guwahati, Assam .

(ii) “A Retrospective karyotype study in mentally retarded patients attending a tertiary care hospital in Jorhat district of Assam” under MDRU, JMCH, Jorhat

1. Dr. Santosh Kumar Sahu, Demonstrator of Anatomy (P.I.)
2. Dr. Sudipto Pal, Assistant Professor of Anatomy (Co. P.I.)
3. Dr. Dipjyoti Bora, Registrar, Psychiatry (Co. P.I.)
4. Dr. Anju Moni. Rabha, Registrar, Psychiatry (Co. P.I.)

### 5. FELLOWSHIP/OVERSEAS AND INLAND TRAINING OF TEACHERS:

<b>Name of Faculties</b>	<b>Date and Place of Training</b>
Dr. Rubi Saikia	i) Attended a webinars on -BODY DONATION, EMBALMING & CADAVERIC DISSECTION: PERSPECTIVES IN COVID ERA conducted by Department of Anatomy, MMIMSR, MMDU, MULLANA, AMBALA, HARYANA on 31-08-2020 ii) Attended webinars on “ Writing Research Project & Funding” organized by JMCH under the aegis of SSUHS on 3 <sup>rd</sup> October, 2020 iii) Attended conference 3 <sup>rd</sup> ANSACON, 2021 at GMCH on 20 <sup>th</sup> March, 2021 iv) Participated as a speaker on “JMCH Reflection” on 28/07/2021 – Topic: Anatomy of Female Pelvic Organs
Dr. Debabani Bora	i) Attended CBME Anatomy training as faculty, from the period August-November 2020 ii) Attended webinars on “ Writing Research Project & Funding” organized by JMCH under the aegis of SSUHS on 3 <sup>rd</sup> October, 2020 iii) Attended & Passed Basic course in Biomedical Research exam under NPTEL held on 20 <sup>th</sup> December, 2020 iv) Attended conference 3 <sup>rd</sup> ANSACON, 2021 at GMCH on 20 <sup>th</sup> March, 2021 v) AnSync-2021 Conference 16 <sup>th</sup> & 17 <sup>th</sup> July 2021
Dr. Rajat Dutta Roy	i) Attended webinars on “ Writing Research Project & Funding” organized by JMCH under the aegis of SSUHS on 3 <sup>rd</sup> October, 2020 ii) Attended & Passed Basic course in Biomedical Research exam under NPTEL held on 20 <sup>th</sup> December, 2020 iii) Attended Revised Basic Course workshop at JMCH from 29 <sup>th</sup> to 31 <sup>st</sup> July, 2021 iv) AnSync-2021 Conference 16 <sup>th</sup> & 17 <sup>th</sup> July 2021



Dr. Santana Thakuria	<p>i) Attended webinars on “ Writing Research Project &amp; Funding” organized by JMCH under the aegis of SSUHS on 3<sup>rd</sup> October, 2020</p> <p>ii) Attended &amp; Passed Basic course in Biomedical Research exam under NPTEL held on 20<sup>th</sup> December, 2020</p> <p>iii) Attended conference 3<sup>rd</sup> ANSACON, 2021 at GMCH on 20<sup>th</sup> March, 2021</p> <p>iv) Attended Revised Basic Course workshop at JMCH from 29<sup>th</sup> to 31<sup>st</sup> July, 2021</p> <p>v) AnSync-2021 Conference 16<sup>th</sup> &amp; 17<sup>th</sup> July 2021</p>
Dr. Sudipto Pal	<p>i) Attended webinars on “ Writing Research Project &amp; Funding” organized by JMCH under the aegis of SSUHS on 3<sup>rd</sup> October, 2020</p> <p>ii) Attended &amp; Passed Basic course in Biomedical Research exam under NPTEL held on 19<sup>th</sup> December, 2020</p> <p>iii) Attended Revised Basic Course workshop at JMCH from 29<sup>th</sup> to 31<sup>st</sup> July, 2021</p> <p>iv) Attended &amp; Passed Basic course in Biomedical Research exam under NPTEL held on 19<sup>th</sup> December, 2020</p> <p>v) AnSync-2021 online Conference 16<sup>th</sup> &amp; 17<sup>th</sup> July 2021</p>
Dr. Jyotirekha Gogoi	<p>i) Attended &amp; Passed Basic course in Biomedical Research exam under NPTEL held on 19<sup>th</sup> December, 2020</p> <p>ii) Attended training of Curriculum Implementation Supporting Program (CISP-II) at Regional Centre for Medical Education Technology, JMCH on 24<sup>th</sup> &amp; 25<sup>th</sup> September, 2021</p> <p>iii) Attended conference 3<sup>rd</sup> ANSACON, 2021 at GMCH on 20<sup>th</sup> March, 2021</p> <p>iv) Attended Revised Basic Course workshop at JMCH from 29<sup>th</sup> to 31<sup>st</sup> July, 2021</p> <p>v) AnSync-2021 online Conference 16<sup>th</sup> &amp; 17<sup>th</sup> July 2021</p>
Dr. Mousumee Saikia	<p>i) Attended training of Curriculum Implementation Supporting Program (CISP-II) at Regional Centre for Medical Education Technology, JMCH on 29<sup>th</sup> &amp; 30<sup>th</sup> January, 2021</p> <p>ii) Attended Revised Basic Course workshop at JMCH from 18<sup>th</sup> to 20<sup>th</sup>, February, 2021</p> <p>iii) Attended conference 3<sup>rd</sup> ANSACON, 2021 at GMCH on 20<sup>th</sup> March, 2021</p> <p>iv) AnSync-2021 online Conference 16<sup>th</sup> &amp; 17<sup>th</sup> July 2021</p>
Dr. Santosh Kumar Sahu	<p>i) Attended training of Curriculum Implementation Supporting Program (CISP-II) at Regional Centre for Medical Education Technology, JMCH on 24<sup>th</sup> &amp; 25<sup>th</sup> September, 2020</p> <p>ii) Attended webinars on “ Writing Research Project &amp; Funding” organized by JMCH under the aegis of SSUHS on 3<sup>rd</sup> October, 2020</p> <p>iii) Attended Revised Basic Course workshop at JMCH from 18<sup>th</sup> to 20<sup>th</sup>, February, 2021</p> <p>iv) Participated in the online workshop on “Molecular Genetics” at 3<sup>rd</sup> Conference of Anatomical Society of Assam held at GMCH on 13<sup>th</sup> March, 2021.</p> <p>(v) Attended as a delegate (online) the 3<sup>rd</sup> Conference of Anatomical Society of Assam, held at GMCH on 20<sup>th</sup> March, 2021</p>
Dr. Mishmee Paul	<p>i) Attended training of Curriculum Implementation Supporting</p>

	<p>Program (CISP-II) at Regional Centre for Medical Education Technology, JMCH on 24<sup>th</sup> &amp; 25<sup>th</sup> September, 2021</p> <p>ii) Attended conference 3<sup>rd</sup> ANSACON, 2021 at GMCH on 20<sup>th</sup> March, 2021</p> <p>iii) Attended Revised Basic Course workshop at JMCH from 29<sup>th</sup> to 31<sup>st</sup> July, 2021</p> <p>iv) Attended &amp; Passed Basic course in Biomedical Research exam under NPTEL held on 19<sup>th</sup> December, 2020</p> <p>v) AnSync-2021 online Conference 16<sup>th</sup> &amp; 17<sup>th</sup> July 2021</p>
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**6. ANY OTHER SIGNIFICANT EVENTS/AWARD/HONOURS: RECEIVED/OFFERED.**

a) Under the guidance of Anatomy Department, JMC, our undergraduate students (Batch: 2019-20) bagged the 1<sup>st</sup> prize in Poster competition in ANSACON 2020 organized in GMCH on 14<sup>th</sup> March, 2021.

Topic: CADAVERIC ORGAN TRANSPLANTATION, Submitted by: Antarip Kalita & Charlina Deka

b) Dr. Santosh Kumar Sahu, has completed “6” (Six) Months Fellowship Course from 01.03.2021 to 31.08.2021 in “Genetic Diagnostics” at AIIMS, New Delhi-110029.



## 6.2: ANNUAL REPORT – DEPARTMENT OF BIOCHEMISTRY

### LIST OF FACULTIES:

Prof. (Dr) Anju barhai Teli, Professor and HOD  
 Dr. Bharati Devi, Associate Professor  
 Dr. Mainak Roy, Associate Professor  
 Dr. Jilmil Devi, Assistant Professor  
 Dr. Shakiba Shah, Assistant Professor  
 Dr. Meghna Borah, Demonstrator  
 Dr. Snehankar Kalita, Demonstrator  
 Dr. Kaushik Nath, Demonstrator  
 Dr. Arju Saikia, Demonstrator

### 1. ACADEMIC ACTIVITIES:

#### a. Nos. of UG seminars conducted: 25.

Topic	Moderator
1. Structural organization of proteins.	Dr. Anju BarhaiTeli
2. Oxygen transport in tissues with special reference to the structural and functional relationship of hemoglobin.	Dr. Anju BarhaiTeli
3. Chemiosmotic hypothesis for mechanism of Oxidative Phosphorylation.	Dr. Anju BarhaiTeli
4. The purification of proteins is an essential step in understanding their function	Dr. Anju BarhaiTeli
5. Ammonia metabolism and toxicity.	Dr. Anju BarhaiTeli
6. Enzyme inhibition and inhibitors.	Dr. Bharati Devi
7. Inborn errors of metabolism can disrupt amino acid metabolism.	Dr. Bharati Devi
8. Heteropolysaccharides and their biological significance.	Dr. Bharati Devi
9. Regulation of pH by Buffers and disorders of acid base balance.	Dr. Bharati Devi
10. Gluconeogenesis and Glycolysis are reciprocally regulated.	Dr. Bharati Devi
11. Isoenzymes and their clinical utility.	Dr. Mainak Roy
12. Development of atherosclerosis, risk assessment of atherosclerosis and biochemical basis of management of atherosclerosis.	Dr. Mainak Roy
13. Lipoprotein metabolism and disorders of lipoprotein metabolism.	Dr. Mainak Roy
14. Glucose homeostasis.	Dr. Mainak Roy
15. Hemoglobinopathies.	Dr. Mainak Roy
16. Nucleotide chemistry and biological significance	Dr. Jilimili Devi
17. Fuel metabolism in fed and fasting states.	Dr. Jilimili Devi
18. Lipid peroxidation	Dr. Jilimili Devi
19. Role of biotin and cobalamin in the human body .	Dr. Jilimili Devi
20. High energy compounds.	Dr. Jilimili Devi
21. Importance of trace elements	Dr. Shakiba Shah
22. Role of Vitamin A in vision, other functions and deficiency manifestations.	Dr. Shakiba Shah
23. Balanced diet and nutritional implications of undernutrition	Dr. Shakiba Shah
24. Biological significance of porphyrins and bilirubin metabolism and types of jaundice.	Dr. Shakiba Shah
25. Biological effects of serum calcium, regulation of serum calcium level and disorders of calcium metabolism.	Dr. Shakiba Shah

#### b. No. of integrated classes conducted: 5.

	Topic	Integrated with	Presenter
1	Anemia due to Deficiency of Vitamins & Minerals	Medicine	Dr. Mainak Roy, Associate Professor, Biochemistry&Dr. UsharaniPegu, Associate Professor, Medicine
2	Oedema	Medicine	Dr. Bharati Devi, Associate Professor, Biochemistry&Dr. UsharaniPegu, Associate Professor, Medicine
3	Jaundice	Medicine	Dr. Bharati Devi, Associate Professor,

			Biochemistry&Dr. UsharaniPegu, Associate Professor, Medicine.
4	Protein Malnutrition	Energy Pediatrics	Dr. Mainak Roy, Associate Professor, Biochemistry; Dr. Shakiba Shah, Assistant Professor, Biochemistry&Dr.Manab Narayan Baruah, Associate Professor,Pediatrics.
5	Acid base balance and Disorders	Medicine	Dr. Bharati DeviAssociate Professor, Biochemistry; Dr. Mainak Roy, Associate Professor, Biochemistry&Dr. UsharaniPegu, Associate Professor, Medicine.

**c. Nos. of 3 yrs PG course Seminars conducted: 24**

Topic	Presenter/ Moderator
1 Mucopolysaccharides and Disorders	Dr. Abdur Rahman/ Dr. Jilimili Devi
2 Mechanism of Enzyme Action	Dr. Rahul Dubey/Dr. A. B. Teli
3 Mechanism of Enzyme inhibition	Dr. Abdur Rahman/ Dr. A.B. Teli
4 Covalent Catalysis and Acid Base Catalysis	Dr. Abdur Rahman/ Dr. Jilimili Devi
5 HMP Pathway and Significance	Dr. Rahul Dubey/Dr. A.B.Teli
6 Metal Ion Catalysis, Catalysis through proximity and orientation	Dr. Rahul Dubey/Dr. Mainak Roy
7 Lipoprotein Metabolism	Dr. Abdur Rahman/ Dr. A.B. Teli
8 Different Levels of organization of Protein	Dr. Rahul Dubey/Dr. Bharati Devi
9 Three dimensional Structure of a Protein determine its function	Dr. Abdur Rahman/ Dr. Bharati Devi
10 Structure of Myoglobin and Hemoglobin	Dr. Rahul Dubey/Dr. A.B. Teli
11 Function of Myoglobin and Hemoglobin	Dr. Abdur Rahman/ Dr. A.B. Teli
12 Global structure of chromosome & higher structure of DNA	Dr. Abdur Rahman/ Dr. A.B. Teli
13 Purine synthesis by de-novo pathways & salvage pathway with reference to the energy that they save and remarkable effects of their absence.	Dr. Rahul Dubey/Dr. Mainak Roy
14 Biochemical alterations in acute diarrhea	Dr. Abdur Rahman/ Dr. Mainak Roy
15 One carbon metabolism	Dr. Rahul Dubey/Dr. A.B. Teli
16 Stimulation by vitamin d3 on insulin receptor expression & insulin responsiveness for glucose transport in human promonocytic cells	Dr. Rahul Dubey/Dr. A. B. Teli
17 Autophagy	Dr. Abdur Rahman/ Dr. Jilimili Devi
18 Etiopathogenesis of type 1 diabetes mellitus	Dr. Rahul Dubey/Dr. Bharati Devi
19 Glycan binding protein & their disorder	Dr. Abdur Rahman/ Dr. A.B. Teli
20 Level of D- Dimer in Covid-19 patients admitted to a tertiary care hospital: A case control study	Dr. Rahul Dubey/Dr. A. B. Teli
21 Nutritional management of ICU patients	Dr. Rahul Dubey/Dr. Bharati Devi
22 Overview of Complement System	Dr. Abdur Rahman/ Dr. A.B. Teli
23 G-Protien Coupled Receptor	Dr. Rahul Dubey/Dr. A. B. Teli
24 Signaling via G-Protien Coupled Receptor	Dr. Rahul Dubey/Dr. Bharati Devi

**2. SCIENTIFIC PUBLICATIONS:**

**i. Dr. Bharati Devi, Associate Professor:** Devi B.Evaluation of AST/ALT ration in patients of alcoholic liver disease. IOSR Journal of Dental and Medical Science 2020. 19(8): 2279-0853.

**ii. Dr. Mainak Roy, Associate Professor:**Roy M, Dubey R, Goswami G, Sengupta P, Mahanta B, TeliB A. Levels of D-Diver in Covid-19 patients admitted to a tertiary care hospital: A case control study. 2021: 2277-8179.

### 3. Research Work Done/ Undergoing:

**PG Dissertation:** Study of Serum level of Vitamin D and TNF- in Newly diagnosed Type 2 Diabetes Mellitus.  
PGT: Dr Rahul Dubey(w.e.f 2020)

<b>RESEARCH PROJECTS</b>	<b>w.e.f</b>	<b>Investigators</b>
Characterization of methicillin resistant staphylococcus aureus (MRSA) from clinical sample.	2021	Dr. Anju BarhaiTeli, Professor & HOD, Biochemistry; Dr Anadi Swami Tassa, Assistant Professor, Surgery&Dr DweepjyotiBaishya, Assistant Professor, Microbiology
Study of hepato-protective cytokines amongst alcoholic adult patients with liver disease”	2020	Dr. Mainak Roy, Associate Professor, Biochemistry; Dr NaruttamSonowal, Associate Professor, Medicine; Dr Kaberi Mech, Associate Professor,SPM; Dr RupakBhuyan, Associate Professor, Radiology; Dr Anju BarhaiTeli, Professor & HOD, Biochemistry &Dr Anuradha Hazarika Medhi, Statistician, SPM.
Study of serum vitamin D, inflammatory cytokines and the anthropometric measurements among newly diagnosed type 2 Diabetes Mellitus.	2020	Dr. Meghna Borah, Demonstrator, Biochemistry; Dr Rajib Kr Borah, Assistant Professor,Medicine&Dr Debabani Bora, Associate Professor, Anatomy
Study of Cytokines (Pro-inflammatory and hepato-protective) and risk factors associated with the non-alcoholic adult population of Assam with and without fatty liver disease.	2021	Dr. SnehankarKalita, Demonstrator, Biochemistry

### 4. PROFESSIONAL SERVICE:

Number of Patients and Number of investigations in the clinical Biochemistry Laboratory.

Month	OPD		INDOOR		TOTAL	
	No. of Pt.	No.of Test	No. of Pt.	No.of Test	No. of Pt.	No.of Test
September-20	3002	29998	2641	25321	5643	55319
October -20	3154	28957	2524	24998	5678	53955
November-20	3151	29885	2514	27854	5665	57739
December-20	3012	29993	2498	27797	5510	57790
January-21	3048	30012	2494	28872	5542	58884
February-21	3124	29912	2425	27978	5549	57890
March-21	1889	17006	1425	15051	3314	32057
April -21	3128	30111	2415	29872	5543	59983
May-21	3042	29885	2578	30007	5620	59892
Jun- 21	3122	28773	2687	29781	5809	58554
July-21	3141	28629	2601	30225	5742	58854
August-21	3102	29629	2541	28225	5643	57854
Total	35915	342790	29343	325981	65258	668771

**6. LIST OF IMPORTANT MACHINERY/ EQUIPMENTS/ PURCHASED / INSTALLED:**

	<b>Name of the Equipment</b>	<b>Section</b>
1	Fully Automated clinical electrophoresis system	Academic Section
2	Fine Care (Avantor)	CCL Biochemistry Wing
3	HDC-Lyte Electrolyte Analyzer (HDCL-3330)	CCL Biochemistry Wing
4	Micro Processor Centrifuge Machine, 8Tubes (BD Instrumentation India )	CCL Biochemistry Wing

**7. OTHER RELEVANT INFORMATION:**

- Research paper presentation by Dr. Rahul Dubey PGT 3rd Year, at “ACCLMPCON 2021” held on 7th & 8th of August '21 at New Delhi. Title: “Levels of D-Dimer in COVID-19 patients admitted to a tertiary care hospital: a case control study”.
- The annual running trophy for best model/seminar presentation awarded by our department was bagged by SnigdhaDhali, Sohail Kumar Deb, SampurnaSarma, Sophia Miriam Mann Sawkmie, Sourabh Singh Shekhawat, 1st professional students by presenting a seminar on “Role of vitamin A in vision, other functions and its deficiency manifestation.”



## 6.3: ANNUAL REPORT – DEPARTMENT OF PHYSIOLOGY

### LIST OF FACULTIES:

Prof (Dr). Geeta Baruah, Professor. & HOD  
Dr. Dipti Bania, Associate Professor  
Dr. Anupi Das, Associate Professor  
Dr. Trishna Dutta, Assistant Professor  
Dr. Nasima Sultana, Assistant Professor  
Dr. Rwitumita Bharali, Assistant Professor  
Dr. Birinchi Kartik Das, Demonstrator  
Dr. Manas Pratim Borah, Demonstrator  
Dr. Manas Krishna Borgohain, Demonstrator  
Dr. Kaustuv Jyoti Bhuyan, Demonstrator

### 1. ACADEMIC ACTIVITIES

#### a) One UG seminars/Project was conducted:

- 1 Project on “Student generated test questions” Topic – Respiratory system

#### b) Horizontal Integrated Class:

- 1 Blood Banking and Transfusion Dr. Bidit Kr. Gogoi

#### c) PG Integrated Seminar:

- |   |   |                              |                      |
|---|---|------------------------------|----------------------|
| 1 | Microcytic Hypochromic Anaemia              | Moderator: Dr. Geeta Baruah, | Dr. Abirlal Sen, PGT |
| 2 | Hypertension (Physiology of Blood Pressure) | Moderator: Dr. Geeta Baruah, | Dr. Abirlal Sen, PGT |
| 3 | Physiology of Insulin                       | Moderator: Dr. Geeta Baruah, | Dr. Abirlal Sen, PGT |

#### d) PG Micro-Teaching:

Topic	Moderator	Presenters
Neuromuscular Junction	Dr. Geeta Baruah, Prof. & HOD,	Dr. Abirlal Sen, PGT
Excitation Contraction	Dr. Geeta Baruah, Prof. & HOD,	Dr. Abirlal Sen, PGT
Coupling of Skeletal Muscle		
Physiology of Inhibition of pain	Dr. Anupi Das Associate Prof.	Dr. Abirlal Sen, PGT

#### e) CME/ Guest Lecture

Date	Topic Name	Speakers Name & Designation	Chairperson Name & Designation
20/04/2021	“Physiology of Coronary Circulation and its Clinical Implications”.	i) Dr. Dibya Jyoti Dutta, DM, Ex. Professor & HOD, Department of Cardiology, AMCH, Dibrugarh	Dr. Alokjyoti Malakar, DM Cardiology, Assistant Professor, Department of Cardiology, JMCH, Jorhat
		ii) Dr. Geeta Baruah, MD, Professor & HOD, Department of Physiology, JMCH, Jorhat.	

- f) **Dr. Dipti Bania, Associate Professor of Physiology, JMCH**, delivered a speech on “Development of female breast and basic Physiological Changes of breast during different Periods of Life.” in world internet on the zoom platform through JMCH Refraction on 11<sup>th</sup> August, 2021 at 8 PM

## 2. SCIENTIFIC PUBLICATION:

- i) Sen Abirlal, **Baruah Geeta**, Das Bishnu Ram, Pegu Usha Rani, “Relationship of Body Mass Index with Pulmonary Parameters in Undergraduate Medical Students.” Published by Journal of ‘Indian Journal o Research - Vol-10, ISSUE 03, March, 2021.
- ii) Mahanta Pranabika, **Das Anupi**, Deka Himamoni, “Effect of Technology Enhanced Learning on the Development of the Procedural Skill of 8<sup>th</sup> Semester Students in the Labour Room” Published by International Journal of Health Research and Medico Legal Practice 2021 Jan – June; 7(I) : Page 20 – 24.
- iii) **Das Anupi**, Barua Purnima, Mahanta Pranabika, “Impact of Case Based Learning in Understanding Physiology” Published by Indian Journal of Applied Research, Volume – II, issue – 07, July, 2021.
- iv) **Dutta Trishna**, “Mechanism of Hypoxia in COVID – A Review of its Physiological Dearrangement” Published in Assam Journal of Internal Medicine in January, 2021.

## 3. Research work done/undergoing :

- i) “A Study of Effect of Performing Regular Physical Exercise on Serum Lipid Profile Among Students of Jorhat Medical College” Dr. Geeta Baruah, Dr. Birinch K. Das, Dr. Manas P. Borah.
- ii) “A Study of Food Habits of Medical Students and their Lipid Profile” Dr. Birinchi K. Das, Dr. Manas Borah, Dr Bishnu Ram Das.
- iii) “Study of Handgrip Strength, Endurance and Fatigue in Different Phases of Menstrual cycle” Dr. Anupi Das, Dr. Manas K. Borgohain and Dr. Nandita Dutta.
- iv) “Study of Pulmonary Function and BMI Among Healthy Adults of Jorhat Medical College, Assam” Dr. Nandita Dutta, Dr. Manas K. Borgohain, Dr. Anupi Das.





## 6.4: ANNUAL REPORT – DEPARTMENT OF MICROBIOLOGY

### LIST OF FACULTIES:

Prof. (Dr) Uttara Borkotoki, Professor and HOD  
Dr. Purnima Barua, Associate Professor  
Dr. Atanu Chakravarty, Associate Professor  
Dr. Angshurekha Das, Assistant Professor  
Dr. Dweepjyoti Baishya, Assistant Professor  
Dr. Geetumoni Sonowal, Assistant Professor  
Dr. Binita Bhuyan, Demonstrator  
Dr. Nayanjyoti Sarmah, Demonstrator  
Dr. Bipanchi Mahanta, Demonstrator  
Dr. Rana Doley, Demonstrator

### 1. ACADEMIC ACTIVITIES:

a. Nos. of UG seminars conducted (Topic name & Moderator):

	Topic name	Moderator
1	Opportunistic Infection in AIDS with special reference to Fungal Infections	Dr Nayanjyoti Sarmah
2	IPC strategies in COVID – 19	Dr Binita Bhyan
3	Drug resistant Tuberculosis: Strategies to overcome it	Dr Binita Bhyan
4	Malaria	Dr. Angshurekha Das
5	Leishmania	Dr. Dweepjyoti Baishya
6	Acute Encephalitis Syndrome: Definition, aetiopathogenesis, C/F and Laboratory Diagnosis	Dr. Bipanchi Mahanta

b. PG course (3 yrs) seminars conducted (Topic name, Moderator & Presenters):

	Topic name	Moderator	Presenter
1	Disinfection	Dr Uttara Borkotoki	Dr Anindita Patowary
2	Microscopy in Microbiology	Dr Atanu Chakravarty	Dr. Mridusmita Borgohain
3	Basic Concepts of immunology	Dr Uttara Borkotoki	Dr Anindita Patowary
4	Bacterial pathogenesis	Dr Atanu Chakravarty	Dr. Mridusmita Borgohain
5	Natural history infection	Dr Uttara Borkotoki	Dr. Mridusmita Borgohain
6	Structure and functions of Immune system – I	Dr Atanu Chakravarty	Dr Anindita Patowary
7	Cells of Innate Immunity – I	Dr Atanu Chakravarty	Dr Anindita Patowary
8	Biosafety and safe laboratory practice	Dr Uttara Borkotoki	Dr. Mridusmita Borgohain
9	Cells of acquired immunity	Dr Dweepjyoti Baishya	Dr Anindita Patowary
10	Virus host interaction	Dr Dweepjyoti Baishya	Dr. Mridusmita Borgohain
11	Cells of Innate Immunity – II	Dr Atanu Chakravarty	Dr Anindita Patowary
12	SARS COV – 2 Transmission, Pathogenesis	Dr Atanu Chakravarty	Dr. Mridusmita Borgohain
13	Antimicrobial action and resistance – I	Dr Uttara Borkotoki	Dr Anindita Patowary

## 2. SCIENTIFIC PUBLICATIONS:

### a) Dr. Purnima Barua, Associate Professor

- i. Deka B, Borgohain P, **Barua P\***. Concomitant fungal infections in patients of Pulmonary Tuberculosis attending Respiratory Medicine OPD at Jorhat Medical College and Hospital. *Int J Health Res Medico Leg Prae*. 2020; 6(1):58-62.
- ii. Borgohain P, **Barua P\***, Mahanta J, Ram Saikia L. Pestalotioid fungi: A rare agent of onychomycosis among agriculture workers. *Curr Med Mycol*. 2020; 6(2): 23-29. DOI: 10.18502/CMM.6.2.2839.
- iii. **Barua P\***, Mahanta J, Dale J. Co-transmission of HBV and HCV in HIV Infected Non- Brothel based Female Sex Workers in India. **International Journal Medical Sciences and Current Research**. 2021; 4(3): 167-172.
- iv. Borgohain P, **Barua P\***, Mahanta J, Saikia LR, Shaw D, Rudramurthy SM. *Lasiodiplodiatheobromae* Onychomycosis among agricultural workers: A Case Series. *Journal of Medical Mycology*. 2021 Jun 19:101167.
- v. Das A, **Barua P**, Mahanta P. Impact of case-based learning in understanding Physiology. 2021 July 11:7.
- vi. Gupta N, Kaur H, Yadav P, Mukhopadhyay L, Sahay RR, Kumar A, Nyayanit DA, Shete AM, Patil S, Majumdar TD, Rana S. Gupta S, Narayan J, Vijay N, Barde P, Natrajan G, Kumari A, Kumari M, Biswas D, Iravane J, Raut S, Dutta S, Devi S, **Barua P**, et al. Clinical characterization and Genomic analysis of COVID-19 breakthrough infections during second wave in different states of India. *Viruses* 2021, 13(9), 1782; <https://doi.org/10.3390/v13091782>.

### b) Dr. Bipanchi Mahanta, Demonstrator

- i. Mainak Roy, Rahul Dubey, Gunajit Goswami, Pallav Sengupta, **Bipanchi Mahanta**, Anju Barhai Teli: Levels of d – dimer in COVID - 19 patients admitted to a tertiary care hospital: A case control study. *International journal of scientific research*. 2021;10(4)

## 3. RESEARCH WORK DONE/ UNDERGOING:

<b>DBT Project</b>	:	<b>Ongoing</b>
Title of Project	:	<b>Streptococcus pneumoniae and Hemophilus influenzae serotype distribution and antibiotic resistance in isolates from pediatric pneumonia cases in Assam</b>
Co – Principal Investigator (For JMC site)	:	<b>Dr. Uttara Borkotoki</b> Professor and HOD Department of Microbiology, JMC
Co – Investigator (For JMC site)	:	<b>Dr. Purnima Barua</b> Associate Professor Department of Microbiology, JMC
Co – Investigator (For JMC site)	:	<b>Dr. Pranabjit Biswanath</b> Professor and HOD Department of Pediatrics, JMC
Co – Investigator (For JMC site)	:	<b>Dr. Angshurekha Das</b> Assistant Professor Department of Microbiology, JMC

<b>DHR, ICMR</b>	:	<b>Ongoing</b>
Title of Project	:	Viral Research Diagnostic Laboratory ( <b>VRDL Project</b> )
Principal Investigator	:	<b>Dr. Purnima Barua</b> Associate Professor Department of Microbiology, JMC
<b>DBT Project</b>	:	<b>Ongoing</b>
Title of Project	:	<b>Generating awareness and assessing the magnitude of Paragonimiasis in Nagaland, Assam, Arunachal Pradesh and Mizoram</b>
Principal Investigator	:	<b>Dr. Mihir Kr Goswami</b> Professor & Head Department of Pulmonary Medicine, JMC
Co – Principal Investigator	:	<b>Dr. Purnima Barua</b> Associate Professor Department of Microbiology, JMC
<b>ICMR Project</b>	:	<b>Ongoing</b>
Title of Project	:	<b>Vaginal infection and its risk factors among women of reproductive age group with special reference to tea garden workers of Upper Assam: case control study</b>
Principal Investigator	:	<b>Dr. Purnima Barua</b> Associate Professor Department of Microbiology, JMC
Co – Principal Investigator	:	<b>Dr. Uttara Borkotoki</b> Professor & Head Department of Microbiology, JMC
Co – Principal Investigator	:	<b>Dr. Pranabika Mahanta</b> Assistant Professor Department of Obstetrics & Gynaecology, JMC
<b>ICMR Project</b>	:	<b>Ongoing</b>
Title of Project	:	<b>Molecular Characterization of Respiratory Syncytial Virus (RSV) infection prevalent in below 5 year of hospitalized children in tertiary care hospital, Jorhat, Assam.</b>
Principal Investigator	:	<b>Dr. Manab Narayan Baruah</b> Associate Professor Department of Paediatrics, JMC
Co –Investigator	:	<b>Dr. Purnima Barua</b> Associate Professor Department of Microbiology, JMC

Co – Investigator : **Dr. Pranabjit Biswanath**  
Professor & Head  
Department of Paediatrics, JMC

**National level multi-centric study** : **Ongoing**

Title of Project : **Impact of conducting hand hygiene audit in covid-19 care locations of India—a large scale national multicentric study**

Principal Investigator : **Dr. Atanu Charavarty**  
Associate Professor  
Department of Microbiology, JMC

Co – Investigator: **Dr. (Prof) Rajib Hazarika**  
Prof & Head  
Department of Anaesthesiology, JMC

Co – Investigator: **Dr. Binita Bhuyan**  
Demonstrator  
Department of Microbiology, JMC

**Ongoing Research activity:**

1. **Title** : Detection of extended spectrum beta lactamase production and study of antimicrobial susceptibility pattern among the Enterobacteriaceae isolates from suspected cases of Urinary Tract Infection: A comparative study between Hospital acquired and community acquired cases in a tertiary care hospital.

Principal Investigator : Dr. Geetumoni Sonowal  
Assistant Professor of Microbiology

Co – PI:  
Dr. Mridusmita Borgohain, PGT  
Dr. Rana Doley, Demonstrator  
Dr. Bipanchi Mahanta, Demonstrator  
Dr. Uttara Borkotoki, Professor and HoD

2. **Title** : Carbapenemase production and antimicrobial sensitivity pattern in Carbapenem resistant *Acinetobacter Baumannii* isolates from different clinical samples.

Principal Investigator : Dr. Geetumoni Sonowal  
Assistant Professor of Microbiology

Co – PI:  
Dr. Bipanchi Mahanta, Demonstrator  
Dr. Anindita Patowary, PGT  
Dr. Mridusmita Borgohain, PGT  
Dr. Uttara Borkotoki, Professor and HoD

3. **Title** : Nasal carriage of methicillin resistant *Staphylococcus aureus* in health care workers in a tertiary care centre in Jorhat

Principal Investigator : Dr. Geetumoni Sonowal  
Assistant Professor of Microbiology

Dr. Rana Doley, Demonstrator  
Dr. Mridusmita Borgohain, PGT  
Dr. Uttara Borkotoki, Professor and HoD

a) Test done during the period from **September 2020 to August, 2021** :

Bacteriology		Serology			Virology		Parasitology		Mycology		Ocular Microbiology	
Test name	Total test done	Test name	Total test done		Test name	Total test done	Test name	Total test done	Test name	Total test done	Test name	Total test done
			Routine	Emergency								
Urine culture	2236	HAV	267	241	JE ELISA	182	PBS for malarial parasite (MP)	16	Fungal culture	142	Gram stain of ocular sample	0
Pus culture	795	HbsAg	8742	7160	Dengue ELISA	19	RE stool	219	KOH mount for Fungal elements	31	KOH mount of ocular sample	0
Sputum culture	779	Pv/Pf	303	266	Chikungunya ELISA	0					Morphologic identification of worm in eye	0
Blood culture	2896	CRP	1733	3489	Adenovirus ELISA	0						
Aural swab culture	1	Widal	203	169	Measles ELISA	0						
Stool culture	131	Ra Factor	298	53	Varicella zoster ELISA	0						
Throat swab culture	138	VDR L	5486	4551	Rotaviruses ELISA	0						
Gram Stain	812	Mantoux	627	0	COVID – 19	168728						
ZN Stain	230	ASO	92	31								
Albert Stain	12	HCV	2365	1796								
Vaginal swab culture	53	ANA	60	25								
Wound swab	87	HEV	111	107								

culture						
CSF Culture	370	Typhi dot	175	137		
Tissue Culture	0	β HCG	0	0		
Slit skin smear	14					
Bacteriological analysis of water sample (MPN)	5					
Pleural fluid culture	23					
Peritoneal/Ascitic fluid Culture	23					
Synovial fluid Culture	53					
Pericardial fluid Culture	3					
Liver Abscess Culture	1					
E.T. Tube Culture	108					
Tracheal Swab/Aspirate Culture	39					

## 5. FELLOWSHIP IN OVERSEAS/ INLAND TRAINING OF TEACHERS/IMPARTED TRAINING BY TEACHERS:

**Dr. Purnima Barua and Dr. Angshurekha Das:**

- a) International certificate on Principles of Bioethics and Human Right of the UNESCO Universal Declaration on Bioethics and Human Rights by UNESCO chair in Bioethics (HAIFA) on 17/09/2020

## 6. ANY OTHER SIGNIFICANT WORK

- I. **Mahasweta Sarma** UG student was awarded **Dr Nitin Barua Memorial Running Trophy** for securing highest marks in Microbiology in 2<sup>nd</sup> Professional MBBS amongst JMC students for that year in 2021
- II. Department of Microbiology is preparing for NABL (National Accreditation Board for Testing and Calibration Laboratories) accreditation of the Laboratory. Documental procedures have already been completed.

III. Services done for Hospital Infection surveillance:

- a. Presently the HICC is looking after all infection prevention measures to be followed and training related activities for COVID – 19.
- b. Routine Microbiological surveillance of Operation theatres/ ward and ICU's.

	<b>JMCH</b>	<b>Outside JMCH</b>
Operation theatre/Ward and ICU	13	8



## 6.5: ANNUAL REPORT – DEPARTMENT OF PATHOLOGY

### LIST OF FACULTIES:

Dr Projnan Saikia, Professor & Head  
Dr Prasanta Kr Baruah, Professor (Blood Bank)  
Dr Rasadhar Deka, Associate Professor  
Dr Sarat Das, Associate Professor  
Dr Basanta Sonowal, Associate Professor  
Dr Aparna Langthasa, Associate Professor  
Dr Bibhash Gogoi, Assistant Professor  
Dr Prabir Hazarika, Assistant Professor  
Dr Bidit Kumar Gogoi, Assistant Professor  
Dr Gautam Boro, Assistant Professor  
Dr Anupam Gogoi, Demonstrator  
Dr Sangita Deka, Demonstrator  
Dr Siyum Ganguly, Demonstrator  
Dr Amilee Gogoi, Demonstrator  
Dr Meher Abjun Mustakim, Demonstrator  
Dr Abhijit Kalita, Demonstrator  
Dr Geet Bhuyan, Demonstrator  
Dr Reshma Imran, Demonstrator

### 1. ACADEMIC ACTIVITIES:

#### a. No of UG seminars: 12

	Topic	Moderators
1	Cell injury reversible & irreversible	Dr Pranita Medhi
2	Apoptosis and necrosis	Dr Momota Naiding
3	Inflammation-vascular & cellular events, chemical mediators	Dr Rasadhar Deka
4	Wound healing & chronic inflammation	Dr Sarat Das
5	Hemodynamic disorders-edema and shock	Dr Basanta Sonowal
6	Hemodynamic disorders-Thrombosis, embolism & infarction	Dr Aparna Langthasa
7	Neoplasia-definition, benign and malignant tumours, carcinogens & carcinogenesis	Dr Kusum Borsaikia
8	Molecular basis of cancer	Dr Prabir Hazarika
9	Tumour metastasis & prognostic markers	Dr Valina Brahma
10	Immunity- Normal immune response & hypersensitivity reaction	Dr Niva Rani Dutta
11	Autoimmunity & transplant rejection	Dr Bibhash Gogoi
12	Genetic-disorders-Mendelian & chromosomal disorders	Dr Bidit Kumar Gogoi

#### b. 2<sup>nd</sup> Year/3<sup>rd</sup> Year PG Seminar:

	Topic	Presenter	Moderators
1	AML and Acute Leukemia of ambiguous lineage	Dr ABhuyan	Dr Projnan Saikia
2	Precursor lymphoid neoplasm and plasma cell	Dr BBora	Dr P K Baruah



	neoplasm		
3	Mature B-cell neoplasm	Dr J Das	Dr Rasadhar Deka
4	Mature T cell, NK cell neoplasm and Hodgkin's lymphoma	Dr H Haloi	Dr B Sonowal
5	Myeloproliferative neoplasm	Dr N Talukdar	Dr Sarat Das
6	Myelodysplastic syndromes	Dr R Khound	Dr Aparna Langthasa
7	Myelodysplastic/myeloproliferative neoplasm	Dr S Paul	Dr Prabir Hazarika
8	WHO Classification of Tumors of Breast	Dr. ABhuyan	Dr. PranitaMedhi
9	WHO Classification of Tumors of Ovary	Dr. BBora	Dr. MomotaNaiding
10	WHO Classification of Tumors of Uterus (Corpus)	Dr. HHaloi	Dr. Rasadhar Deka
11	WHO Classification of Tumors of Uterus (Cervix)	Dr. JDas	Dr AmileeGogoi
12	WHO Classification of Tumors of Testis	Dr. NTalukdar	Dr. Sarat Das
13	WHO Classification of Tumors of Urothelial Tract	Dr. RKhound	Dr Anupam Gogoi
14	WHO Classification of Tumors of Prostate	Dr. SPaul	Dr. BasantaSonowal
15	WHO Classification of Tumors of Esophagus	Dr.ABhuyan	Dr Meher A Mustakim
16	WHO Classification of Tumors of Stomach	Dr. BBora	Dr. Aparna Langthasa
17	WHO Classification of Tumors of Small Intestine	Dr. HHaloi	Dr Sangita Deka
18	WHO Classification of Tumors of Colon and Rectum	Dr. JDas	Dr Prabir Hazarika
19	WHO Classification of Tumors of Liver	Dr. NTalukdar	Dr SiyumGanguly
20	WHO Classification of Tumors of Gall Bladder	Dr. RKhound	Dr.MomotaNaiding
21	WHO Classification of Tumors of Oral Cavity	Dr. SPaul	Dr Reshma Imran

### c. Integrated Seminar: 04

	Topic	Name of Presenter	Name of Moderator
1.	Approach to diagnosis and management of microcytic hypochromic anemia	Dr NTalukdar	Dr PranitaMedhi
2.	Acute diarrhoea Etiology, pathophysiology,	Dr ABaruah	Dr BibhashGogoi
		Dr. ABhuyan	Dr MomotaNaiding

- |    |  |                           |   |
|----|--|---------------------------|---|
|    | clinical features, management and prevention   | Dr MDeshpande             | Dr Valina Brahma                          |
| 3. | Hypertension- etiopathogenesis, clinical features, management and prevention.  | Dr. SPaul<br>Dr NKaushik  | Dr. Rasadhar Deka<br>Dr Bidit Kumar Gogoi |
| 4. | Tuberculosis – types, etiopathogenesis, clinical features and management with special reference to RNTEP guidelines. | Dr. HHaloi<br>Dr AKBaruah | Dr Sarat Das<br>Dr Prabir Hazarika        |

## 2. LIST OF PUBLICATIONS:

### Dr ProjnanSaikia, Prof and HOD:

Time trends in leading sites of cancer among females of dibrugarh district: 2004-2013 VOLUME - 9, ISSUE - 11, November - 2020 • PRINT ISSN No. 2277 - 8160

### Dr Prasanta Kumar Baruah, Prof of Pathology:

- i. Incidence of Transfusion Transmitted Infections at Tezpur Medical College & Hospital, Assam, India (A Retrospective Study & personal Experience), Pathology, India, Volume 10, Issue 7, July, 2021 pages 1279-1282
- ii. Dr Jatindra Deka, Dr Prasanta Kr Baruah, Prof of Pathology: Mirror of the life line-The Blood Mobile Bus: Review of Voluntary Blood Collection at Tezpur Medical College & Hospital, Tezpur, Assam, India, (An Institutional & Personnel Experience) Medical Science India, Volume 10, Issue 6, June, 2021, Pages 1267-1271

### Dr BasantaSonowal, Assoc Prof of Pathology:

BasantaSonowal, Prasanta Kr. Baruah, “Histo-pathological Evaluation of Gall Bladder Diseases at Jorhat Medical College & Hospital, (one yr retrospective study) International Journal of Science and Research, Vol. 10, issue 7, July 2021, 1287-1295

### Dr GeetBhuyan, Demonstrator of Pathology:

- i. The value of neutrophil to lymphocyte ratio, platelet count and red cell distribution width to platelet ratio as prognostic markers in burn patients. Int. J. Med. Lab. Res. 2020; 5,3:19-23
- ii. Evaluation of pre-donation anxiety and attitude of blood donors and its effect on blood pressure and pulse rate. Trop J Pathol Microbiol. 2020;6(7):437-442

## 3. Research work done/ undergone: 14

Name of the student	Name of the Guide	Topic
Dr Nayana Talukdar	Dr PranitaMedhi	Histopathological spectrum of neoplastic lesions of oral cavity with special reference to p53 and ki-67 expression in oral dysplasia and squamous cell carcinoma.
Dr Sanchita Paul	Dr PranitaMedhi	Evaluation of placental pathology in term low birth weight babies.
Dr	Dr	Correlation between FNAC and CNB in palpable breast

Hiramonihalo	MomotaNaid ing	lump with special reference to myoepithelial marker cytokeratin 5/6 and cytokeratin 7.
Dr Biswajit Bora	Dr Aparna Langthasa	Histopathological grading and staging of colorectal carcinoma with special reference to mucin-1 in JMCH.
Dr AbhinabBhuya n	Dr Rasadhar Deka	A clinicohematological study of pancytopenia in adults with special reference to bone marrow studies in JMCH
Dr Jayashree Das	Dr BasantaSono wal	Evaluation of adverse transfusion reactions and events in receptients of blood and blood products in JMCH.
Dr RajashreeKhou nd	Dr Sarat Das	Clinicopathological study of ovarian neoplasm with special reference to p53 overexpression in epithelial ovarian neoplasm in jorhat medical college & hospital
Dr. Abir Kumar Baruah	Dr ProjnanSaiki a	Histopathological Spectrum of upper gastrointestinal endoscopic biopsies and Correlation of p53 and p16 expression with pathological staging in Oesophageal Squamous cell carcinoma
Dr. Amlan Baruah	Dr ProjnanSaiki a	Clinicopathological study of haemoglobin variants in patients with anemia using high performance liquid chromatography
Dr. BasudevNarah	Dr Aparna Langthasa	Comparative Analysis of Cytomorphology Patterns & AFB Positivity of Lymph Node Aspirate with CBNAAT For Detection Of Tubercular Lymph Adenopathy
Dr.Geetasree Borah	Dr Sarat Das	A Histopathological study of endometrium in perimenopausal and postmenopausal women presenting with abnormal uterine bleeding
Dr.Maheshree Deshpande	Dr Prasanta Kumar Baruah	Bone marrow aspiration in Haematological Disorders
Dr. Neha	Dr Rasadhar Deka	Evaluation of Platelet Count, Mean Platelet Volumes and Platelet Distribution Width and their significance in preeclampsia and Eclampsia
Dr. Ujjal Pradip Dutta	Dr BasantaSono wal	Study of prevalence of Hep B, Hep C and HIV among Blood Donors at a tertiary care hospital- a cross sectional study

#### 4. PROFESSIONAL SERVICES OFFERED:

- i. Histopathological Examinations: 1319
- ii. Cytopathology Exam: 1397
- iii. Hematology: Bone Marrow Aspirations: 31
- iv. Post Mortem Cases: 18 nos.

**CCL, Pathology Data:**

<b>OPD</b>	<b>IPD</b>	<b>Emergency</b>	<b>Urine RE</b>	<b>Total</b>
<b>67, 013</b>	<b>1, 49,987</b>	<b>13, 747</b>	<b>18,883</b>	<b>2, 49,630</b>

**Blood Banking:**

No of units collected	<b>11, 996</b>
No of units issued	<b>16,114</b>
Total no of blood components issued	<b>5, 092</b>
No of Voluntary blood donation camp organized	<b>22</b>
No of Voluntary Blood units collected (at Camp)	<b>485</b>
Total convalescent Plasma collection	<b>326</b>
Total convalescent Plasma issued	<b>321</b>

**5. FACULTY & STAFF TRAINING /FELLOWSHIP:**

<b>Name of faculty</b>	<b>Details of activity</b>
Dr Aparna Langthasa	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr Sarat Das	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr Rasadhar Deka	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr BasantaSonowal	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr Niva Rani Dutta	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr Prabir Hazarika	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr Bidit Kr Gogoi	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr BibhashGogoi	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr. Anupam Gogoi	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr. SiyumGanguly	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr. AmileeGogoi	2020 3 <sup>rd</sup> October CME on writing research project and funding in Jorhat medical college and hospital
Dr. Abhijeet Kalita	i. 2021 4 <sup>th</sup> to 6 <sup>th</sup> February Joint AIPNA ICP virtual international CME by Amrita institute of medical sciences ii.2021 24 <sup>th</sup> to 26 <sup>th</sup> june 39 <sup>th</sup> annual national cme at JJ medical college,

	<p>Belagavi</p> <p>iii.2020 13 December virtual cytopathology CME 2020 SRMS IMS</p> <p>iv.2020 4<sup>th</sup> to 8<sup>th</sup> June 38<sup>th</sup> annual national cme at JJ medical college, Belagavi</p> <p>v.2020 10th October CME on unwanted visitors in gastrohepatology by dept of histopathology, SRL Ltd</p> <p>vi.2020- clinical hepatopathology certificate program 2019 by MEU India</p> <p>vii.2020- October 2020 to December 2020 Lung pathology certificate program by MEU India</p>
Dr. GeetBhuyan	<p>i. 2020 27<sup>th</sup> to 28<sup>th</sup> June CUBE 2020 digital hematology summit</p> <p>ii.2021 4<sup>th</sup> to 6<sup>th</sup> June annual Conference of Tamil Nadu and Pondicherry chapter of IAPM</p> <p>iii.2021 19<sup>th</sup> to 20<sup>th</sup> June virtual conference on oncology progress 2021</p>



## 6.6: ANNUAL REPORT – DEPARTMENT OF PHARMACOLOGY

### LIST OF FACULTIES:

Prof. (Dr.) Meghali Chaliha, Professor and HOD.  
Dr. Rituparna P. Ray, Associate Professor  
Dr. Geetamoni Dutta, Associate Professor  
Dr. Swapnanil Gohain, Assistant Professor  
Dr. Gautam Sahu, Assistant Professor  
Dr. Ajoy Borah, Demonstrator  
Dr. Sahid Aziz, Demonstrator  
Dr. Dipjyoti Deka, Demonstrator  
Dr. Nawaneeta Rajkhowa, Demonstrator  
Dr. Prapti Bhuyan, Senior Resident

### 1. ACADEMIC ACTIVITY

#### A. UG Seminar: 7 nos.

- i. Topic: Coronary artery diseases- Pathophysiology and Pharmacotherapy (04/12/2020), Moderator: Prof. (Dr) Meghali Chaliha.
- ii. Topic: Agonists and antagonists of adrenergic receptors (15/12/2020), Moderator: Dr. Geetamoni Dutta.
- iii. Topic: Antagonists of adrenergic receptors. Moderator: Dr. Geetamoni Dutta
- iv. Topic: Agonists of cholinergic receptors (22/12/2020). Moderator: Dr. Geetamoni Dutta.
- v. Topic: Agonists of cholinergic receptors- continued (29/12/2020). Moderator: Dr. Geetamoni Dutta.
- vi. Topic: Antagonists of cholinergic receptors (05/01/2021). Moderator: Dr. Gautam Sahu.
- vii. Topic: Sedatives and Hypnotics (08/01/2021). Moderator: Dr. Gautam Sahu.

#### B. PG Seminars: 15 nos.

- i. Topic: Pharmacotherapy of COVID-19 (15/09/2020), Moderator: Dr. Hiteswar Saikia. Presenter: Dr. Juchitra Deuri.
- ii. Topic: New drug development- Pre-clinical trial (30/09/2020), Moderator: Dr. Swapnanil Gohain. Presenter: Dr. Lavita Hazarika.
- iii. Topic: Screening tests for anticonvulsant activity of test drugs (15/10/2020), Moderator: Dr. Geetamoni Dutta. Presenter: Dr. K Raj Thilak.
- iv. Topic: Drugs used in acute diarrhoea (21/01/2021), Moderator: Dr. Swapnanil Gohain. Presenter: Dr. Prapti Bhuyan.
- v. Topic: New drug development- Clinical trial (29/01/2021), Moderator: Dr. Sahid Aziz. Presenter: Dr. Khanindra N. Kakoty.
- vi. Topic: Antihypertensive drugs (18/02/2021), Moderator: Dr. Geetamoni Dutta. Presenter: Dr. Reuben P Syiem
- vii. Topic: Serotonin and its receptor modulators (11/03/2021), Moderator: Dr. Gautam Sahu. Presenter: Dr. Juchitra Deuri.
- viii. Topic: Drugs used in the treatment of T1DM (18/03/2021), Moderator: Dr. Gautam Sahu. Presenter: Dr. K Raj Thilak.
- ix. Topic: New drugs in COVID-19 management: 2-D-glucose and Antibody cocktail (18/06/2021), Moderator: Dr. Gautam Sahu. Presenter: Dr. Lavita Hazarika
- x. Topic: Mucormycosis- COVID associated mucormycosis (17/06/2021), Moderator: Dr. Gautam Sahu. Presenter: Dr. Khanindra N Kakoty.
- xi. Topic: Anti-integrin agents and antisense oligonucleotides 24/06/2021), Moderator: Dr. Gautam Sahu. Presenter: Dr. Juchitra Deuri.
- xii. Topic: Histamine and Antihistaminics (13/07/2021), Moderator: Dr. Swapnanil Gohain. Presenter: Dr. Lavita Hazarika.
- xiii. Topic: Immunosuppressant drugs (29/07/2021), Moderator: Dr. Swapnanil Gohain. Presenter: Dr. Juchitra Deuri.

- xiv. Topic: Immunosuppressant drugs- Biological agents (05/08/2021), Moderator: Dr. Geetamoni Dutta. Presenter: Dr. Lavita Hazarika.
- xv. Topic: Immunity and immunostimulants (17/08/2021), Moderator: Dr. Swapnanil Gohain. Presenter: Dr. Khanindra N Kakoty.

## 2. SCIENTIFIC PUBLICATION:

- i. Gautam Sahu, **Swapnanil Gohain**, Angelene Brahma. Drug utilization pattern of antidiabetic drugs among indoor diabetic patients in a tertiary care teaching hospital, Jorhat. Biomedicine: 2020; 40(4): 512-515.

## 3. RESEARCH WORKS:

### Completed:

- i. Drug utilization study of topical corticosteroids in a tertiary care teaching hospital, Jorhat, Assam. **PI: Dr. Reuben. P. Syiem. Guide- Dr Meghali Chaliha.** Co Guide- Dr Krishna Talukdar.
- ii. A study on drug utilization pattern of anti-hypertensive drugs in patients with diabetes mellitus in the department of medicine of a tertiary care teaching hospital in upper Assam. **PI: Dr. Prapti Bhuyan. Guide- Dr Meghali Chaliha.** Co-guide- Dr. Usha Rani Pegu.

### Ongoing:

- i. A drug utilization study on antimicrobial usage in the medicine Intensive Care Unit at JMCH, Assam. **PI: Dr. Raj Thilak. Guide: Prof. (Dr) Meghali Chaliha,** Co-guide: Dr. Narottam Sonowal.
- ii. Effect of dipeptidyl peptidase 4 inhibitors and metformin combination versus sulfonylureas and metformin combination in blood glucose control and adverse effect profile in type 2 diabetes patients. **PI: Dr. Khanindra Nayan kakoty.** Guide: Prof. (Dr) Meghali Chaliha, Co-guide: Dr. Usha Rani Pegu.
- iii. A comparative study on clinical efficacy and safety of non-steroidal anti-inflammatory drugs (NSAIDs) Vs Opioid analgesics in postoperative Orthopaedic pain management in a tertiary care hospital. **PI: Dr. Lavita Hazarika. Guide: Dr. Rituparna P. Ray. Co-guide: Prof. (Dr) Pranjal Tahbilar.**
- iv. A comparative study of Palonosetron vs Ondansetron and dexamethasone for prevention of postoperative nausea and vomiting in patients undergoing laparoscopic surgeries. **PI: Dr. Annavi S. Sathiskumar, (PGT Anaesthesiology). Co-guide: Dr. Geetamoni Dutta.**
- v. A comparative study of efficacy and safety of topical combination therapy in acne vulgaris patients attending a tertiary care hospital. **PI-Dr. Juchitra Deuri. Guide: Dr. Geetamoni Dutta. Co-guide: Prof. (Dr) Krishna Talukdar.**
- vi. Attenuation of hemodynamic response during tracheal intubation and laryngoscopy using clonidine and dexmedetomidine. **PI: Dr. Jyotsna Dutta, (PGT Anaesthesiology). Co-guide: Dr. Swapnanil Gohain.**
- vii. Comparison of hemodynamic changes and blood sugar levels between etomidate and propofol before and after induction of general anaesthesia". **PI: Dr. Dhanjit Das, (PGT Anaesthesiology). Co-guide: Dr. Swapnanil Gohain.**
- viii. An observational study comparing propofol infusion with midazolam premedication vs propofol infusion only for induction of anaesthesia. **PI- Dr Subhadeep sarkar, (PGT Anaesthesiology). Co-guide: Dr. Gautam Sahu.**
- ix. Comparison of efficacy of sevoflurane and propofol for insertion of proseal laryngeal mask airway in adults. **PI-Dr. Preety Rekha Borah, (PGT Anaesthesiology). Co-guide: Dr. Gautam Sahu.**
- x. A cross sectional study assessing the knowledge, attitudes and practices of rational use of antibiotics amongst the final year MBBS students, interns, post graduate students and nursing students in a tertiary care teaching hospital of Upper Assam, India. **PI: Dr. Ajoy Borah.**

## 4. PROFESSIONAL SERVICES:

### a. Pharmacovigilance and adverse drug reactions (ADR) reporting:

Total ADR reported: 218 nos.

### b. Prescription audit:

The Prescription Audit Committee of JMCH under clinical pharmacology department has been auditing prescriptions generated in various indoor and outdoor departments since Feb' 2018.

## 5. MACHINERY AND EQUIPMENTS:

Well furnished clinical pharmacology laboratory has been set up with 10 numbers of mannequins and 6 beds for the purpose of clinical pharmacology experiments for the UG MBBS students.

## 6. OTHER RELEVANT INFORMATION:

- i. Prof. Meghali Chaliha had completed certificate course on Good Clinical Practice from NIDA Clinical Trials Network on 29.09.2020.
- ii. Prof. Meghali Chaliha had delivered talks in various webinar/CMEs on the topics “Covid 19 pandemic: Challenges for doctors” organized by NEMPS (01/07/2021) and “Anxiolytic drugs: An overview” organized by JMCH reflections (25/08/2021).
- iii. Prof. Meghali Chaliha, Dr. Geetamoni Dutta, Dr. Swapnanil Gohain, Dr. Gautam Sahu, Dr. Ajoy Borah, Dr. Sahid Aziz, Dr. Prapti Bhuyan, Dr. K Raj Thilak and Dr. Lavita Hazarika had successfully completed Basic Course in Biomedical Research.
- iv. Dr. Swapnanil Gohain had attended an online training course on Demographic Data Analysis for health personal al NIHFW, New Delhi from 23/08/2021 to 25/08/2021 and completed certificate course on NIECER 102 (ICMR): Ethics Review of Health Research.
- v. Dr. Rituparna P. Ray, Dr. Gautam Sahu, Dr. Ajoy Borah and Dr. Sahid Aziz had participated and successfully completed revised Basic Course Workshop (rBCW) training at Regional Centre of MCI/NMC in Jorhat Medical College.
- vi. Dr. Prapti Bhuyan secured 2<sup>nd</sup> rank in the university in the MD final examination held in the month May 2021
- vii. Dr Prapti Bhuyan had won 1<sup>st</sup> Prize in Poster Competition in the CME on Drug Development During Pandemic, held in Tezpur Medical College on 2<sup>nd</sup> March 2021.
- viii. Dr. Swapnanil Gohain and Dr. Sahid Aziz had successfully completed **Basic Course in Biomedical Research** with a consolidated score of 94% and 90%, respectively and bagged the Topper of the course title.
- ix. Dr. Swapnanil Gohain, Dr. Sahid Aziz, Dr. Dipjyoti Deka, Dr. Khanindra N. Kakoty, Dr. Juchitra Deuri and Dr. Lavita Hazarika had participated in CME on Pharmacovigilance on 26/02/2021 organized by Department of Pharmacology, Gauhati Medical College under the aegis of Indian Pharmacological Society (IPS).
- x. Dr. Meghali Chaliha, Dr. Swapnanil Gohain, Dr. Prapti Bhuyan, Dr. Reuben P. Syiem and Dr. Juchitra Deuri attended CME on Drug Development during Pandemic, held in Tezpur Medical College on 2<sup>nd</sup> March 2021.





## 6.7: ANNUAL REPORT – DEPARTMENT OF FORENSIC MEDICINE

### LIST OF FACULTIES:

Dr. Netramoni Kakoti, Associate Professor & I/C HOD.

Dr. Nandini Pegu, Assistant Professor

Dr. Biswadeep Paul, Assistant Professor

Dr. Swaraj Phukon, Demonstrator

Dr. Dipankar Thakuria, Demonstrator.

### 1. Academic Activities:

#### A. 3 years PG course seminars conducted: (Batch May 2019)

23/9/20	What are the aims & objectives of ML-PM examination? What are the pre requisites to be fulfilled for ML Autopsy? How thoraco abdominal and cranial cavities are opened during PM examination? How heart is dissected during PM examination?	Dr Vijin SS	Dr (Prof.) K. C. Das
24/9/20	What is death/ Brain death? What are the signs which help you to conclude that the person is dead? Discuss the ML problems arising with special reference to premature death	Dr B Lama	Dr (Prof.) K. C. Das
30/9/20	When viscera is required to be preserved during PM examination? Which viscera are required to be preserved in case of suspected common poisoning? What is the procedure of preservation of viscera & what precautionary measures should be taken? Describe the common preservatives used for preservation of viscera, blood & urine for chemical analysis & their contra-indication	Dr Vijin SS	Dr (Prof.) K. C. Das
01/10/20	Discuss the role of coronary diseases & cardiomyopathies in case of sudden deaths on the context of current studies in this respect.	Dr B Lama	Dr (Prof.) K. C. Das
07/10/20	What is obscure & negative autopsy? What is artefact & what is its role in Forensic Medicine?	Dr Vijin SS	Dr (Prof.) K. C. Das
08/10/20	Discuss the pathology of drowning? What changes you will expect in the lungs in a case of drowning (in sea/ fresh water) where the body has been recovered within 6 hours after death.	Dr B Lama	Dr (Prof.) K. C. Das
14/10/20	Mechanism of production of various Cranio-cerebral injuries & the patho-physiological changes in details.	Dr Vijin SS	Dr (Prof.) K. C. Das
15/10/20	The effects of various types of heat over a living body with special reference to their medico-legal implications in details.	Dr B Lama	Dr (Prof.) K. C. Das
21/10/20	Appearances of wound of entrance & exit caused by a bullet fired from a distance of 10 yards. What are the points to be considered while diagnosing a case of suicidal gunshot wound. Discuss in details.	Dr Vijin SS	Dr (Prof.) K. C. Das
22/10/20	Outline the pathophysiology of different types of shock with due emphasis on their medicolegal	Dr B Lama	Dr (Prof.) K. C. Das

	points.		
28/10/20	Problems of road traffic accidents in medicolegal practice in recent times.	Dr Vijin SS	Dr (Prof.) K. C. Das
29/10/20	Medicolegal investigation of fatal "Air-craft" accident in details.	Dr B Lama	Dr (Prof.) K. C. Das
20/01/21	Role of Forensic Science Laboratory in Medicolegal investigations.	Dr B Lama	Dr (Prof.) K. C. Das
27/1/21	Dactylography, its history of evolution, types, techniques & medicolegal importance.	Dr Vijin SS	Dr (Prof.) K. C. Das
3/2/21	Duties of a doctor in alleged case of poisoning.	Dr B Lama	Dr (Prof.) K. C. Das
10/2/21	Medicolegal duties & implications of a Registered Medical Practitioner.	Dr Vijin SS	Dr (Prof.) K. C. Das
17/2/21	Trace elements & its use in forensic investigations.	Dr B Lama	Dr (Prof.) K. C. Das
24/2/21	Artificial insemination, uses, techniques with recent guidelines & amendments in India.	Dr Vijin SS	Dr (Prof.) K. C. Das
3/3/21	Identification of alleged weapon/object from injuries sustained over the body.	Dr B Lama	Dr. Netramoni Kakoti
10/3/21	Restraint and release of an insane person	Dr Vijin SS	Dr. Netramoni Kakoti

## 2. Research work under going:

- A Study Of Burn Cases In Medicolegal Autopsies At Jorhat Medical College And Hospital, Jorhat. Dr Bicky Lama (Guide – Dr N M Kakati).
- Analytical Study Of Deaths Due To Hanging Cases Reported at mortuary Of Jorhat Medical College And Hospital, Jorhat. Dr Vijin SS (Guide – Dr N M Kakati).
- Profile of Poisoning Cases In Medico-Legal Autopsy. Dr. D Thakuria (Guide – Dr N M Kakati).
- A study on pattern of injuries in road traffic accidents brought to Jorhat Medical College & Hospital for medico legal autopsy for a period of 3 years. Dr. Swaraj Phukon (Guide – Dr N M Kakati).
- A study on pattern of asphyxial deaths in medico legal autopsy at Jorhat Medical College, Jorhat for a period of 3 years. Dr. Biswadeep Paul (Guide – Dr N M Kakati).

**4. Professional Services offered: (1<sup>st</sup> September 2020 to 31<sup>st</sup> August 2021)**

I. Total Nos. of PM cases done from 01/09/2020 to 31/08/2021 – **639 Nos.**

II. Other medico legal cases:

Cases	Numbers
SC cases	<b>286</b>
Age estimation	<b>11</b>
DNA Typing	<b>13</b>
Expert Opinion	<b>08</b>

**5. Overseas/Inland training of teachers:**

**2 Nos. of Doctors from Majuli District** were trained in the Department of Forensic Medicine on handling of Medico- legal cases.

**6. List of Equipments:**

- a. Autopsy work station,
- b. Cooling cabinet (Non functioning)
- c. Deep freezer,
- d. Distilled water plant (Non functioning)
- e. Embalming machine,
- f. LCD projector,
- g. Binocular Microscope,
- h. Portable X-Ray Machine,
- i. Organ weighing machine etc.

**7. Any others:**

- a. Dr N M Kakati, attended the Revised Basic Course Workshop (RBCW) from 03-08-21 to 05-08-21, which was held at MCI Regional Centre for medical education technologies, JMCH, Jorhat, Assam.
- b. Dr D Thakuria, attended the Revised Basic Course Workshop (RBCW) from 03-08-21 to 05-08-21, which was held at MCI Regional Centre for medical education technologies, JMCH, Jorhat, Assam.
- c. Dr Nandini Pegu, Asst Prof., attended Curriculum Implementation Support Programme (CISP) from 24<sup>th</sup> & 25<sup>th</sup> September 2020, which was held at MCI Regional Centre for medical education technologies, JMCH, Jorhat, Assam.

- d. Dr Biswadeep Paul, Asst Prof., attended Curriculum Implementation Support Programme (CISP) from 24<sup>th</sup> & 25<sup>th</sup> September 2020, which was held at MCI Regional Centre for medical education technologies, JMCH, Jorhat, Assam.
- e. Dr Nandini Pegu, attended the Revised Basic Course Workshop (RBCW) from 18-02-21 to 20-02-21, which was held at MCI Regional Centre for medical education technologies, JMCH, Jorhat, Assam.
- f. Dr Biswadeep Paul, attended the Revised Basic Course Workshop (RBCW) from 18-02-21 to 20-02-21, which was held at MCI Regional Centre for medical education technologies, JMCH, Jorhat, Assam.



## 6.8: ANNUAL REPORT – DEPARTMENT OF COMMUNITY MEDICINE

### LIST OF FACULTIES:

Prof. (Dr) Bishnu Ram Das, Professor and HOD  
Dr. Amarjit Borgohain, Associate Professor  
Dr. Kaberi Medhi, Associate Professor  
Dr. Giridhar Pathak, Associate Professor  
Dr. Anuja Baruah, Assistant Professor  
Dr. Sayeda Jesmin Rahman, Assistant Professor  
Dr. Chandana Deka, Assistant Professor  
Dr. Anamika Hakmaosa, Assistant Professor  
Dr. Dimpimoni Saikia, Demonstrator  
Dr. Parimita Roychoudhuri, Demonstrator  
Dr. Jurimoni Gogoi, Demonstrator  
Dr. Md. Asif, Demonstrator  
Mrs. Anuradha H Medhi, Statistician cum Lecturer

### 1.ACADEMIC ACTIVITIES

#### a. UG Seminar: 2

1. Online Undergraduate seminar on Research Project through ZOOM app by 6<sup>th</sup> semester students- Moderator- Prof (Dr.) Bishnu Ram Das, Dr. Anuja Baruah
2. Online Undergraduate seminar on Research Project through ZOOM app by 6<sup>th</sup> semester students- - Moderator Dr. Amarjit Borgohain, Dr. Kaberi Mech

#### b. PG integrated seminar: 3

1. Diarrhoea. Presenter- Dr. Sampurna Bora, Moderator- Dr Amarjit Borgohain
2. Hypertension. Presenter- Dr. Subhradeep Sonowal, Moderator- Dr. Giridhar Pathak
3. Tuberculosis. Presenter- Dr. Subhradeep Sonowal, Moderator- Dr. Anuja Baruah

#### c. PG Seminar: 20

1. Good academic Research Practices. Presenter- Dr. Sampurna Bora, Moderator- Prof (Dr.) Bishnu Ram Das
2. Leave rules. Presenter- Dr. Manas Protim. Deori & Mr. Trinayam Bhattacharya Moderator- Prof (Dr.) Bishnu Ram Das
3. National Digital Health Mission. Presenter- Dr. Dhrubajyoti Bora, Moderator- Dr. Kaberi Mech
4. History of Public Health. Presenter- Dr. Manas Protim. Deori, Moderator- Prof (Dr.) Bishnu Ram Das
5. Nutritional Problems in Public Health. Presenter- Dr. Mandira Chetri, Moderator- Dr. Anuja Baruah
6. Swachh Bharat Abhiyan. Presenter- Dr. Subhradeep Sonowal, Moderator- Dr. Syeda Jesmin Rahman
7. Vaccine Preventable Disease Surveillance. Presenter- Dr. Abhishek Borah Moderator- Dr. Chandana Deka
8. Analytical Study. Presenter- Dr. Manas Protim Deori, Moderator- Dr. Madhur Borah
9. How to present a journal club- Presenter- Dr. Sampurna Bora, Moderator- Prof (Dr.) Bishnu Ram Das
10. Protein Energy Malnutrition. Presenter- Dr. Abhishek Borah, Moderator- Dr. Parimita Roychoudhary
11. Management of Diarrhoea. Presenter- Dr. Mandira Chetri, Moderator- Dr. Syeda Jesmin Rahman
12. Randomization. Presenter- Dr. Subhradeep Sonowal, Moderator- Mrs. Anuradha H. Medhi
13. Synopsis Presentation. Presenter- Dr. Abhishek Borah, Dr. Manas Protim Deori & Dr. Mandira Chetri, Moderator- Prof (Dr.) Bishnu Ram Das & Dr. Amarjit Borgohain
14. Synopsis Presentation. Presenter- Dr. Abhishek Borah & Dr. Mandira Chetri, Moderator- Prof (Dr.) Bishnu Ram Das & Dr. Giridhar Pathak
15. Logistic Management. Presenter- Dr. Sampurna Borah, Moderator- Prof (Dr.) Bishnu Ram Das
16. Investigation of an epidemic. Presenter- Dr. Abhishek Borah, Moderator- Prof (Dr.) Bishnu Ram Das
17. Qualitative Research. Presenter- Dr. Sampurna Borah, Moderator- Dr. Anuja Baruah
18. AES Surveillance. Presenter- Dr. Mandira Chetri, Moderator- Prof (Dr.) Bishnu Ram Das
19. Financial Management. Presenter- Dr. Subhradeep Sonowal, Moderator- Dr. Giridhar Pathak
20. Prevention of Human Rabies. Presenter- Dr. Abhishek Borah, Moderator- Dr. Syeda Jesmin Rahman

#### d. PG journal club discussion: 6

1. Mixed Method Analysis of Community Health Camps: A Novel Approach Beckoning. Presenter- Dr. Dhrubajyoti Bora, Moderator- Dr. Anamika Hakmaosa



2. Prevalence of Vitamin B12 deficiency and its associated risk factors among pregnant women of rural South India. Presenter- Dr. Sampurna Borah, Moderator- Dr. Dimymoni Saikia
3. Pregnancy Outcome in Occupational Tobacco exposure: A cohort study from South India. Presenter-Dr. Subhradeep Sonowal, Moderator- Dr. Anuja Baruah
4. The effect of mHealth intervention on Anti-TB medication Adherence in Delhi, India: A Quasi-Experimental Study. Presenter-Dr. Mandira Chetri, Moderator- Dr. Kaberi Mech
5. Contraceptive Behaviour and Unmet need among the tribal married women aged 15-49 years: A cross sectional Study in a Community Development Block of Paschim Bardhaman District, West Bengal. Presenter-Dr. Manas Protim Deori, Moderator-Prof (Dr). Bishnu Ram Das
6. Facemasks for prevention of viral respiratory infections in Community settings: A systematic review and meta-analysis. Presenter- Dr. Sampurna Borah, Moderator- Dr. Anuja Baruah

**d. Case presentation:**

Lactating Women. Presenter- Dr. Sampurna Borah, Moderator- Dr. Giridhar Pathak

**e. CME**

1. Competency based curriculum of the IMG programme with emphasis to log book. Presenter-Dr. Syeda Jesmin Rahman, Moderator-Prof (Dr). Bishnu Ram Das
2. Log book presentation. Presenter-Dr. Syeda Jesmin Rahman, Moderator- Prof (Dr). Bishnu Ram Das
3. Dynamic Assured Career Progression. Presenter-Dr. Md Asif, Moderator- Prof (Dr). Bishnu Ram Das
4. UG logbook discussion according to CBME. Presenter- Dr. Syeda Jesmin Rahman & Dr. Chandana Deka, Moderator- Prof (Dr). Bishnu Ram Das.
5. Community based Project work as a teaching tool: Students Perception. Presenter- Dr. Paramita Roy Choudhury & Dr. Jurimoni Gogoi, Moderator-Prof (Dr). Bishnu Ram Das.

**2. SCIENTIFIC PUBLICATIONS (NATIONAL/INTERNATIONAL JOURNALS, SEPT 2020 TO TILL DATE)**

1. Das B R, Kakoti G. Profiles of institutional ethics committees and status of standard operating procedures in North East India. Indian J Med Ethics. 2021 Apr-Jun; 6(2) NS: 156-162. DOI: 10.20529/IJME.2020.124.
2. Kakoti G, Das BR. Clinico-epidemiological characteristics of hospitalized acute encephalitis syndrome children and their correlation with case fatality rate. J Family Med Prim Care 2020; 9: 5948-53.
3. Deka C, Borboruah L, Sarmah PP, Paul I. A Study on Patient Satisfaction among the Patients Admitted in the In-Patient Departments of a Tertiary Health Care Institution in North East India. Natl J Community Med 2020; 11(9):356-361
4. Beeva Boruah, Sudipta Hajong, Annamika Hakmaosa. Morbidity pattern among the adolescents attending the rural health training centre in Nagaon, Barpeta district, Assam. International Journal of Community Medicine and Public health. 2021 Jan ;8(1):221-224
5. Munglang M., Bora D., Roy RD., Medhi AH. Comparison of Height, Hand Length and Foot Length between the Tribal and Non tribal population of North East India. National Journal of Clinical Anatomy; January 2021, 9(4):146

**3. RESEARCH**

**Ongoing research projects**

1. "A Study on Acute Encephalitis Syndrome in Hospitalised Paediatric and Adult patient with special Reference to JE". Principal Investigator- Prof (Dr.) Bishnu Ram Das. Co-PI- Prof (Dr.) P. Biswanath
2. "Morbidity profile, Extent of Disability and Socio-economic Impacts of Childhood Japanese Encephalitis and Acute Encephalitis Syndrome". Principal Investigator- Dr. Gitali Kakoti
3. "Implementation of NCDIR Electronic Mortality Software (NCDIR e-mor) in hospitals of National Cancer Registry Programme (CRP) Network in NE India". Centre Principal Investigator- Prof (Dr.) Bishnu Ram Das.
4. "Community directed interventions for prevention and control of Japanese Encephalitis in children: a randomized controlled field trial"-under WHO-TDR for South East Asia MOOC Project. Principal Investigator- Dr Gitali Kakoti, Co-PI- Prof. (Dr) Bishnu Ram Das.

**Ongoing PG Dissertations**

1. "Effective vaccine Management Assessment at Cold Chain Points in Jorhat District, Assam". Principal Investigator- Dr. Sampurna Bora, Guide-Prof (Dr.) Bishnu Ram Das
2. "Pattern of Tobacco use among autorickshaw drivers of Jorhat District". Principal Investigator- Dr. Subhradeep Sonowal, Guide- Prof (Dr.) Bishnu Ram Das, Co-Guide-Dr. Anuja Baruah

3. "Operational status of Integrated Child Developmental Services Programme and knowledge of Anganwadi Workers about their roles and responsibilities in Jorhat Urban". Principal Investigator- Dr. Abhishek Borah, Guide-Dr. Amarjit Borgohain, Co-Guide- Prof (Dr.) Bishnu Ram Das and Dr. Anuja Baruah
4. "Assessment of weekly Iron and folic acid supplementation for adolescent boys and girls in rural Government schools in a Block of Jorhat District". Principal Investigator- Dr. Mandira Chetri, Guide- Prof (Dr.) Bishnu Ram Das, Co-Guide-Dr. Giridhar Pathak
5. "Assessment of feeding practices of 6-23 months aged children in rural area of Jorhat District, Assam": A cross-sectional study. Principal Investigator- Dr. Manas ProtimDeori Guide- Prof (Dr.) Bishnu Ram Das, Co-Guide-Dr. Kaberi Mech and Dr. SyedaJesmin Rahman

#### **Ongoing undergraduate projects**

1. "Clinico demographic profile of patients who died in 2nd wave of Corona infection in a tertiary Care set up". Group Teacher- Prof (Dr). Bishnu Ram Das & Dr JurimoniGogoi. Students Roll Nos-1,13,25,37,49,61,73,85,97
2. "COVID-19 Vaccine hesitancy among Medical Students of MBBS Course". GroupTeacher-Dr. Amarjit Borgohain.Students Roll Nos-2,14,26,38,50,62,74,86,98
3. "Knowledge /Awareness of Antimicrobial Resistance among the undergraduate Medical Students of Tertiary Care Hospital". Group Teacher-Dr. Kaberi Mech. Students Roll Nos-3,15,27,39,51,63,75,87,99
4. "Assessment of safe injection practices among the nursing students of JMCH". Group Teacher- Dr. Giridhar Pathak. Students Roll Nos- 4,16,28,40,52,64,76,88,100
5. "Prevalence and Pattern of Substance Abuse among College Students of Jorhat". Group Teacher-Dr. Anuja Baruah. Students Roll Nos-5,17,29,41,53,65,77,89,101
6. "Study on Knowledge and Practice of Blood Donation among Undergraduate Medical Students of JMCH". Group Teacher- Dr. SyedaJesmin Rahman. Students Roll Nos- 6,18,30,42,54,66,78,90,102
7. "Impact of Covid 19 on the lives and lifestyle of daily wage earners". Group Teacher- Dr. Chandana Deka. Students Roll Nos-7,19,31,43,55,67,79,91,103
8. "Impact of Covid-19 lockdown on dietary habits and lifestyle of undergraduate medical students of Jorhat Medical College: A cross sectional study". Group Teacher- Dr. AnnamikaHakmaosa. Students Roll Nos-8,20,32,44,56,68,80,92,104
9. "Awareness and Usage of mHealth application among adult smartphone users: An Online Survey". Group Teacher- Dr. Madhur Borah. Students Roll Nos-9,21,33,45,57,69,81,93
10. "Comparison of Clinico-demographic profile of the patients admitted in the Covid ICU of Jorhat Medical College & Hospital in the first and second wave of Corona Virus Pandemic". Group Teacher- Dr. DimpymoniSaikia. Students Roll Nos-10,22,34,46,58,70,82,94
11. "Deterioration of Doctor-Patient relationship in present times-A cross sectional study on the perception among undergraduate medical students of JMCH". Group Teacher- Dr. ParimitaRoychoudhury. Students Roll Nos-11,23,35,47,59,71,83,95
12. "Knowledge and Attitude of Medical Students towards HIV-AIDS & Sexually transmitted diseases". Group Teacher- Dr. Md. Asif. Students Roll Nos-12,24,36,48,60,72,84,96

#### **4. PROFESSIONAL SERVICES OFFERED**

##### **a. Rural Heath Training Centre, Titabar**

- i. OPD attendance- 53212
- ii. IPD attendance- 533
- iii. Major OT-52
- iv. Minor OT-51
- v. Total Nos. of immunization-3590
- vi. IUCD Insertion- 23
- vii. OCP Distribution- 543
- viii. Condom Distribution-1762

##### **b. Urban Heath Training Centre, Jorhat**

- i. OPD attendance-5016
- ii. Total number of Children Vaccinated- 1020
- iii. IUCD -nil
- iv. Condom distribution-37393
- v. OCP-3184

**c.IDSP unit JMCH: Weekly report JMCH (From 1ST Week to 35th week, 2021)**

- i. P-Form: Total OPD cases =125573
- ii. P-Form: Total reported cases=2257
- iii. L-form: Total cases tested Dengue (2), AES (Serum- 88, CSF-84), HAV(355), HEV (197), Malaria(397)Diphtheria(10)
- iv. L-form: Total Positive cases Dengue (0), JE (Serum-24, CSF-17), HAV (29), HEV (0), Malaria (01) Diphtheria (0)

**d. NCDIR e- mortality**

Total no. deaths occurred at JMCH between Sep 2020-July 2021- 2395

- i. Total no. of Female death- 738
- ii. Total no. of male deaths- 1657
- iii. Total no. of deaths in the age group 5-19yrs- 354
- iv. Total no. of deaths in the age group 20-59yrs-1241
- v. Total no. of deaths in the age group 60yrs and above-800

**5. FELLOWSHIP IN OVERSEAS /INLAND TRAINING OF TEACHERS**

- i. Prof (Dr.) Bishnu Ram Das completed IVI's 20<sup>th</sup> International Vaccinology Virtual Training Course from 6<sup>th</sup> to 10<sup>th</sup> September, 2021 organised by International Vaccine Institute, UNDP initiative, Korea
- ii. Prof (Dr.) Bishnu Ram Das completed MOOC on Implementation Research (IR) with a Focus on Infectious Diseases of Poverty (IDP) from May 31 to July 16, 2021 developed and organised by RTC for Health research, TDR-WHO.
- iii. Prof (Dr.) Bishnu Ram Das Participated in the "NITRD-CTD-NTF Difficult to Treat TB Clinic held on 18<sup>th</sup> Aug'21 on the topic TB in COVID-19 time", conducted by National Institute of Tuberculosis and Respiratory Disease.
- iv. Prof (Dr.) Bishnu Ram Das Participated in the COVID 2021 & BEYOND One-Day Virtual international Conference on July 17, 2021 in Virtual International Conference, Organised by CETI and IIPH-Gandhinagar, India
- v. Prof (Dr.) Bishnu Ram Das Participated in "One Week Online Faculty Development Program on Quantitative Data Analysis" from July 13-17, 2021, Organised by S K Kaushal, Lucknow University, UP
- vi. Prof (Dr.) Bishnu Ram Das Participated in the webinar on TB Surveillance under the National TB Elimination Programme by RTL-WHO TB Technical Support Network and Thyrocare on 10th July, 2021
- vii. Prof (Dr.) Bishnu Ram Das Participated as delegate in IAPSM National CME on Towards "TB free India" organised by IAPSM NTEP-Core Committee held on 24.03.21
- viii. Prof (Dr.) Bishnu Ram Das Attended ICMR Training on Roles and responsibilities of Ethic Committee members held on 16.03.21, Organised by Bioethics Unit, NCDIR, Bengaluru
- ix. Dr. SyedaJesmin Rahman & Dr. AnnamikaHakmaosa Participated in the Revised Basic Course Workshop organised by NMC Regional Centre for Medical Education Technologies, Jorhat Medical College, Held on 18.02.21-20.02.21.
- x. Dr. Chandana Deka participated in the Revised Basic Course Workshop on medical education organised by Regional Centre for Medical Education JMCH on 29th to 31st July 2021.
- xi. Dr. Giridhar Pathak & Madhur Borah participated in the Revised Basic Course Workshop on medical education organised by Regional Centre for Medical Education JMCH from 3rd to 5th August 2021.
- xii. Dr GitaliKakoti, Women Scientist, completed MOOC on Implementation Research (IR) with a Focus on Infectious Diseases of Poverty (IDP) from May 31 to July 16, 2021 developed and organised by RTC for Health research, TDR-WHO.
- xiii. Dr GitaliKakoti, Women Scientist, participated in "One Week Online Faculty Development Program on Quantitative Data Analysis" from July 13-17, 2021, Organised by S K Kaushal, Lucknow University, UP
- xiv. Dr GitaliKakoti, Women Scientist, received MOOC Research Fellowship on Implementation Research (IR), 2021 from TDR-WHO-SEA.



- xv. Dr. Gitali Kakoti, Women Scientist, completed IVI's 20th International Vaccinology Virtual Training Course from 6th to 10th September, 2021 organised by International Vaccine Institute, UNDP initiative, Korea.

## **7. OTHER RELEVANT INFORMATION OF THE DEPARTMENT**

- i. Prof (Dr). Bishnu Ram Das acted as State Nodal Officer of Kiphire District, Nagaland and conducted verification of Sub national claims for TB free status in Kiphire district of Nagaland from 06.02.2021 to 15.02.21
- ii. The department Organized 2nd phase of Training at Jorhat Medical College & Hospital on "Prevention and Control of Covid-19 among healthcare providers of JMCH" from 5th May, 2021 to 15th May, 2021
- iii. Dr. Giridhar Pathak Imparted training as TOT on HIV AIDS Sentinel Surveillance in the month of Jan and Feb 2021
- iv. Dr. Kaberi Mech, Dr. Anuja Baruah, Dr. Chandana Deka, Dr. Madhur Borah, Dr. Dimpymoni Saikia, Dr. Parimita Roychoudhury, Dr. Sampurna Bora, Dr. Subhradeep Sonowal Participated as delegate in IAPSMCON 2021 held from 19th to 21st March 2021, organised by PGIMER, Chandigarh
- v. Dr. Kaberi Mech Participated In pre-conference CME on "Tackling Antimicrobial Resistance: Accelerate the action of ground on March 2021 organised by PGIMER, Chandigarh
- vi. Dr. Kaberi Mech Participated in CME on fundamentals of Operational Research on March 2021, organised by PGIMER, Chandigarh
- vii. Dr. Anuja Baruah Attended IAPSM Pre-Conference Workshop on "Operational Research" (Dr. Sonfi Goel) on 17th March 2021
- viii. Dr. Chandana Deka acted as State level Assessor of Kayakalp Awards scheme of Public Health Facilities for Demow, Naharini, Darrang Districts in January –February 2021
- ix. Dr. Chandana Deka acted as State observer of Intensified Pulse Polio Immunization for Jorhat District in February 2021
- x. Dr. Chandana Deka acted as State observer for Mega Drive of COVID19 vaccination Sivasagar district 23rd March 2021
- xi. Dr. Chandana Deka Presented an E-poster in 48th IAPSMCON 2021 held online at PGIMER Chandigarh from 19 to 21st March
- xii. Dr. Chandana Deka, Dr. Annamika Hakmaosa & Dr. Madhur Borah Attended an online Workshop on Health Economics organised by ICMR and PGIMER, Chandigarh held on 21.05.21
- xiii. Dr. Chandana Deka, Dr. Madhur Borah, Dr. Parimita Roychoudhury attended national workshop on ethics in biomedical health research, perception and practice organized by NITTE Deemed to be University DST NU-TEC Karnataka from 5th-8th July 2021.
- xiv. Dr. Annamika Hakmaosa acted as District Nodal Officer of Kiphire District, Nagaland and conducted verification of Sub national claims for TB free status in Kiphire district of Nagaland from 06.02.2021 to 15.02.21
- xv. Dr. Annamika Hakmaosa Attended IAPSM National CME on Towards "TB free India" organised by IAPSM NTEP-Core Committee held on 24.03.21 Attended IAPSM National CME on Towards "TB free India" organised by IAPSM NTEP-Core Committee held on 24.03.21
- xvi. Dr. Annamika Hakmaosa Participated as delegate in a Virtual Conference for Health Professional Education (VICHPE-2021) organised by Department of Medical Education, Era University, Lucknow, India and Al Sadiq International Virtual University (SIVU), USA held on 6-8th April 2021
- xvii. Dr. Annamika Hakmaosa, Dr. Madhur Borah Attended online workshop on Development of Research Protocol organized by ICMR Advance Centre for Evidence Based Child Health and PGIMER, Chandigarh held on 1st and 2nd July 2021
- xviii. Dr. Annamika Hakmaosa Participated in the COVID 2021 & BEYOND One-Day Virtual international Conference on July 17, 2021 in Virtual International Conference, Organised by CETI and IIPH-Gandhinagar, India
- xix. Dr. Annamika Hakmaosa participated in National Webinar Addressing Obesity through Front of Package Labelling (FOPL) in India jointly organized by AIIMS Guwahati & AIIMS Rishikesh on July 30<sup>th</sup> 2021.
- xx. Dr. Madhur Borah acted as State observer of Intensified Mission Indradhanush 2021 of Golaghat District on February and March 2021

- xxi. Dr. Madhur Borah acted as State observer for Mega Drive of COVID 19 vaccination of Golaghat district 23rd March 2021
- xxii. Dr. Madhur Borah Presented an E-poster in 48th IAPSMCON 2021 held online at PGIMER Chandigarh from 19 -21<sup>st</sup> March 2021.
- xxiii. Dr. DimpymoniSaikia acted as State Observer of Intensified Mission Indradhanush 3.0 Phase I campaign of Jorhat district on 20th, 23rd, 25th and 26th Feb 2021.
- xxiv. Dr. DimpymoniSaikia acted as State Observer of Intensified Mission Indradhanush 3.0 Phase II campaign of Jorhat district on 22nd, 25th and 26th March 2021.
- xxv. Dr. DimpymoniSaikia Participated as delegate in Preconference CME on Infectious Disease modelling” of IAPSMCON 2021, organised by PGIMER, Chandigarh on 18th March 2021.
- xxvi. Dr. DimpymoniSaikia acted as State observer for Mega Drive of COVID 19 vaccination of Jorhat district on 23rd March 2021
- xxvii. Dr. ParimitaRoychoudhury acted as External assessor of health facilities (CHC) under “Kayakalp 2021” for Lakhimpur – Boginodi Model Hospital & Laluk Model Hospital (5th March, 2021), Sivsagar – Demow Model Hospital (11th Feb, 2021), Dibrugarh – Naharani CHC (12th Feb, 2021)
- xxviii. Dr. ParimitaRoychoudhury Attended online CME on “Reduce Inequalization NCD” organized by NCDIR – ICMR on 7th April, 2021.
- xxix. Dr. Amarjit Borgohain, Dr. Kaberi Mech, Dr. Giridhar Pathak, Dr. Anuja Baruah, Dr. SyedaJesmin Rahman, Dr. Chandana Deka, Dr. AnnamikaHakmaosa, Dr. Madhur Borah, Dr. DimpymoniSaikia, Dr. ParimitaRoychoudhury & Mrs Anuradha H. Medhi , Dr. Sampurna Bora, Dr. SubhradeepSonowal Successfully completed and received certification on “Basic Course in Biomedical Research” 2021 conducted by Swayam, ICMR and NIE
- xxx. Dr. Chandana Deka, Dr. AnnamikaHakmaosa, Dr. Madhur Borah & Dr. ParimitaRoychoudhury Successfully completed the online course of study for “Competency Based Medical Education (Community Medicine)” organized by MEU India between August 2020 to December 2020.
- xxxi. Dr. Sampurna Borah, Dr. SubhradeepSonowal, Dr. Abhishek Borah, Dr. Manas ProtimDeori & Dr. Mandira Chetri attended Webinar on Ethical and legal challenges in Preventive Vaccine and in making Vaccine accessible on 11.11.2020 & 12.11.2020
- xxxii. Dr. Sampurna Borah, Dr. SubhradeepSonowal, Dr. Abhishek Borah, Dr. Manas ProtimDeori & Dr. Mandira Chetri attended zoom training on TB Claim Verification Organized by ICMR/NIE, Chennai from 27-30<sup>th</sup> Jan 2021.
- xxxiii. Dr. Sampurna Borah, Dr. SubhradeepSonowal, Dr. Abhishek Borah, Dr. Manas ProtimDeori & Dr. Mandira Chetri attended topic Webinar on the occasion of World population day on the topic “need to strike balance between population and resources: lessons learned from COVID-19 Pandemic held on 10.07.2021.
- xxxiv. Mrs. Anuradha H. Medhi attended international webinar on “water & Health, Managing Health Risk & Seizing Opportunities” organized by Internal Quality Assurance Cell (IQAC) on 10<sup>th</sup> July 2021 in collaboration with the department of Physics & Chemistry, Kakojan College, Jorhat, Assam
- xxxv. Dr GitaliKakoti, Women Scientist attended online workshop on MOOC Implementation Research (IR) by WHO- TDR, SEA on 30th and 31<sup>st</sup> August, 2021 at Jakarta, Indonesia

## 8. SIGNIFICANT EVENT/ AWARD/ HONOURS RECEIVED/ OFFERED

As per Govt instruction, the department of Community Medicine coordinated and organized training on “Prevention and Control of Covid-19 among healthcare providers of JMCH” from 5th May, 2021 to 15th May, 2021. in collaboration with the different departments of JMC. The Department also coordinated the ICU management Training of all Faculty (clinical), PGTs (clinical), Interns, Nurses, ICU technicians of Jorhat Medical College and Doctors, nurses and ICU technicians of Jorhat, Golaghat, Majuli and Sivasagar district in the month of May, 2021. Total Number of trainees: Doctors- 178; PGTs- 195, Interns/MBBS students/Homeopathy: 114; Nurses/Nursing Students: 113; Grade III/Technicians: 127; MAPUNA/Grade IV/others: 102



## 6.9: ANNUAL REPORT – DEPARTMENT OF OPHTHALMOLOGY

### LIST OF FACULTIES:

Prof. (Dr) Tapan Gogoi, Professor & HOD  
Dr. Shyamanta Boruah, Assistant Professor  
Dr. Deepsikha Saikia, Assistant Professor  
Dr. Dipankar Gogoi, Registrar  
Dr Sumon Kurmi, Registrar

### (1) ACADEMIC ACTIVITIES:

#### A. Nos. Of UGs Seminars conducted :

1. **Topic: “CATARACT”, Moderator :** Dr. Tapan Gogoi, Professor & HOD
2. **Topic: “FUNGAL CORNEAL ULCER”, Moderator :** Dr. Syamanta Boruah, Assistant Professor
3. **Topic : “CORNEAL ULCER”, Moderator:** Dr. Deepsikha Saikia, Assistant Professor
4. **Topic : “TRAUMATIC CATARACT”, Moderator :** Dr. Tapan Gogoi, Professor & HOD

#### B. Nos. Of horizontal integrated class conducted :

1. **Topic:** Ocular Complications of Sinusitis, **Moderator:** Dr. Deepsikha Saikia, **Presenter:** Dr. Sumon Kurmi

### (2) SCIENTIFIC PUBLICATIONS:

**Name Of the Author:** Dr. M. Boruah

**Topic Name:** “A Clinical Study of Optic nerve involvement in patients with tuberculosis attending a tertiary health care center in North East.”

**Journal Name:** International Journal of Research in medical Sciences (IJRMC), Vol - 9, issue - 2, page - 500

### (3) RESEARCH:

#### • On Going Projects:

- **Dr. Tapan Gogoi:** Clinico-etiological profile of Keratitis and Antimicrobial Susceptibility of Bacterial and fungal isolates (Co-guide)
- **Dr. Syamanta boruah:** Role of B-scan in evaluation of posterior segment lesion of eye with clinical correlates. (Co-guide)

### (4) DETAILS OF PROFESSIONAL SERVICE OFFERED:

(Patient attendance, Nos. Of Major & Minor surgeries, Histopathological examinations, Post mortem examination, new adverse drug identification.)

MONTH	OPD	IPD	MAJOR OT	MINOR OT	Histopathological examination	Post mortem examination,	New adverse drug identification.
September,20	124	7	-	07	18	NIL	NIL
October,20	336		-	6			
November,20	517	8	12	08			
December,20	983	14	42	14			
January,2021	752	10	12	10			
February,2021	1056	27	57	27			
March,2021	1300	28	50	28			
April,2021	882	19	48	19			

<b>May,2021</b>	<b>206</b>	<b>11</b>	<b>08</b>	<b>11</b>			
<b>June,2021</b>	<b>261</b>	<b>1</b>	<b>2</b>	<b>7</b>			
<b>July,2021</b>	<b>297</b>	<b>5</b>	<b>05</b>	<b>05</b>			
<b>August,2021</b>	<b>475</b>	<b>22</b>	<b>22</b>	<b>23</b>			

**(5) FELLOWSHIP: Overseas/Inland training of teachers:**

1. **Dr. Syamanta Boruah**, had attended Basic course Workshop (RBCW) from February 18 to 20, 2021.
2. **Dr. Deepankar Gogoi** had completed Revised Basic course Workshop (RBCW) from 29<sup>th</sup> July to 31<sup>st</sup> July 2021 at Jorhat Medical College.
3. **Dr. Sumon Kurmi** had completed a short term training of Mannual SICS at P.G. Institute of Aravind Eye Hospital, Madurai in February 2020.
4. **Dr. Sumon Kurmi** had ccompleted Revised Basic course Workshop (RBCW) from 3<sup>rd</sup> August to 5<sup>th</sup> August 2021 at Jorhat Medical College.
5. **Dr. Deepankar Gogoi** had successfully completed Basic Course in Biomedical Research.
6. **Dr. Deepankar Gogoi** had attended Revised Basic course Workshop (RBCW) from 3<sup>rd</sup> August to 5<sup>th</sup> August 2021 at Jorhat Medical College.

**(6) ANY OTHER RELEVANT INFORMATION:**

1. **Dr. Tapan Gogoi** , Professor & HOD, has attended joined virtual conference of All India Ophthalmological Society (AIOS) and OSA, in 2021 .
2. **Dr. Tapan Gogoi**, Prof. & HOD, has attended the MBBS 3<sup>rd</sup> Professional Examination, UG and PG examination on 16<sup>th</sup> and 17<sup>th</sup> May 2021 as External Examiner in AMC, Dibrugarh.
3. **Dr. Tapan Gogoi**, Prof. & HOD, has attended the MBBS 3<sup>rd</sup> Professional Examination as External Examiner in GMC, July, 2021.
4. **Dr. Syamanta Boruah**, Asstt. Professor, delivered a talk on “Eye Donation with an introduction to Corneal transplantation” on 1<sup>st</sup> September 2021 in the online programme under the banner of JMCH Reflections hosted by Prof. Dr. Tapan Gogoi.
5. **Dr. Sumon Kurmi**, Registrar has attended All Inda Ophthalmic Conference 2021.
6. **World Glaucoma Week** was observed from 7<sup>th</sup> March to 13<sup>th</sup> March 2021. Awareness was created among the OPD patients about Glaucoma and leaflets and anti glaucoma medicines were distributed .
7. **Eye Donation fortnight** was observed from 25<sup>th</sup> August to 8<sup>th</sup> September 2021 in the Deptt. of Ophthalmology by Spreading knowledge and information on Eye Donation and the ways by which it can contribute to the restoration of Eyesight in many blind people.



## 6.10: ANNUAL REPORT – DEPARTMENT OF OTORHINOLARYNGOLOGY

### LIST OF FACULTIES:

Prof. (Dr) Hiranya Prova Saikia, Professor and HOD  
 Dr. Naba Jyoti Saikia, associate Professor  
 Dr. Abhishek Ray, Assistant Professor  
 Dr. Florence Ranta Borah, Registrar  
 Dr. Md. Nizamuddin Khan, Registrar  
 Dr. Siddhartha Atreya, Senior Resident

### 1. ACADEMIC ACTIVITIES:

#### a) Nos. of UG seminars conducted (Topic Name & Moderator): 1 no.

**Topic:** Physiology of hearing, **Moderator:** Dr. Naba Jyoti Saikia,

#### b) 3 yrs. PG Course seminars conducted (Topic name, moderator & presenter): 55 nos.

	Topic	Name of Moderator	Name of Presenter
1	Otitis Media With Effusion	Dr. Rupanjita Sangma	Dr. Pallabi Bhattacharjee
2	Safe Type Of Chronic Otitis Media	Prof. (Dr.) H.P. Saikia	Dr. Pallavi Das
3	Unsafe Chronic Otitis Media	Prof. (Dr.) H.P. Saikia	Dr. Mirza M. Islam
4	Extracranial Complications Of Chronic Otitis Media	Dr. Rupanjita Sangma	Dr. Mirza M. Islam
5	Intracranial Complications Of Chronic Otitis Media	Prof. (Dr.) H.P. Saikia	Dr. Pallavi Das
6	Otosclerosis	Prof. (Dr.) H.P. Saikia	Dr. Pallabi Bhattacharjee
7	Meniere's Disease	Dr. Rupanjita Sangma	Dr. Mirza Mahidul Islam
8	Allergic Rhinitis	Dr. Rupanjita Sangma	Dr. Pallavi Das
9	Cerebrospinal Fluid Rhinorrhea	Prof. (Dr.) H.P. Saikia	Dr. Mirza Mahidul Islam
10	Granulomatus Disease Of Nose	Prof. (Dr.) H.P. Saikia	Dr. Pallabi Bhattacharjee
11	Chronic Rhinosinusitis	Prof. (Dr.) H.P. Saikia	Dr. Pallavi Das
12	Fungal Rhinosinusitis, Complications Of Chronic Rhinosinusitis And Its Management	Prof. (Dr.) H.P. Saikia	Dr. Mirza Mahidul Islam
13	Anatomy Of Nose And Pns	Dr. Rupanjita Sangma	Dr. Rupalim Sarma
14	Juvenile Nasopharyngeal Angiofibroma	Prof. (Dr.) H.P. Saikia	Dr. Pallabi Bhattacharjee
15	Physiology Of Nose And Pns	Prof. (Dr.) H.P. Saikia	Dr. Ananta Biswas
16	Sinonasal Tumours	Prof. (Dr.) H.P. Saikia	Dr. Pallavi Das
17	Olfaction	Prof. (Dr.) H.P. Saikia	Dr. Kanchan Chaudhary
18	Nasopharyngeal Carcinoma	Dr. N. J. Saikia	Dr. Pallabi Bhattacharjee
19	Septo Rhinoplasty	Prof. (Dr.) H.P. Saikia	Dr. Pallavi Das
20	Anatomy Of External Ear And Middle Ear	Dr. N. J. Saikia	Dr. Rupalim Sarma
21	Faciomaxillary Injury	Prof. (Dr.) H.P. Saikia	Dr. Mirza Mahidul Islam
22	Anatomy Of Inner Ear	Prof. (Dr.) H.P. Saikia	Dr. Ananta Biswas
23	Radiology Of Nasal Cavity And Pns	Dr. N. J. Saikia	Dr. Pallabi Bhattacharjee
24	Fess And Its Complications	Prof. (Dr.) H.P. Saikia	Dr. Pallavi Das
25	Fess	Prof. (Dr.) H. P. Saikia	Dr. Mirza Mahidul Islam
26	Mechanism Of Hearing	Prof. (Dr.) H.P. Saikia	Dr. Kanchan Chaudhary
27	Disorders Of Voice And Speech	Prof. (Dr.) H.P. Saikia	Dr. Pallabi Bhattacharjee
28	Speech Therapy And Vocal Rehabilitation	Dr. N. J. Saikia	Dr. Pallavi Das
29	Benign Tumour Of Larynx	Prof. (Dr.) H.P. Saikia	Dr. Pallabi Bhattacharjee
30	Obstructive Sleep Apnea	Prof. (Dr.) H.P. Saikia	Dr. Mirza Mahidul Islam
31	Acute And Chronic Laryngitis	Prof. (Dr.) H.P. Saikia	Dr. Mirza Mahidul Islam
32	Carcinoma Larynx	Prof. (Dr.) H. P. Saikia	Dr. Pallavi Das

33	Anatomy Of Larynx	Prof. (Dr.) H.P. Saikia	Dr. Ananta Biswas
34	Mechanism Of Phonation	Prof. (Dr.) H. P. Saikia	Dr. Kanchan Chaudhary
35	Laryngectomy	Prof. (Dr.) H. P. Saikia	Dr. Mirza Mahidul Islam
36	Physiology Of Swallowing	Prof. (Dr.) H. P. Saikia	Dr. Ananta Biswas
37	Laryngeal Paralysis	Prof. (Dr.) H. P. Saikia	Dr. Pallavi Das
38	Voice Rehabilitation After Laryngectomy	Dr. N. J. Saikia	Dr. Pallabi Bhattacharjee
39	Stridor And Tracheostomy	Prof. (Dr.) H. P. Saikia	Dr. Mirza Mahidul Islam
40	Mechanism Of Balance	Prof. (Dr.) H. P. Saikia	Dr. Rupalim Sarma,
41	Oncogenes / Molecular Biology In Ent	Dr. N. J. Saikia	Dr. Pallabi Bhattacharjee
42	Anatomy Of Pharynx And Esophagus	Dr. N. J. Saikia	Dr. Rupalim Sarma
43	Congenital Anomalies Of Ear	Prof. (Dr.) H. P. Saikia	Dr. Kanchan Chaudhary
44	Sinonasal Malignancy	Dr. N. J. Saikia	Dr. Mirza Mahidul Islam
45	Viruses In Ent	Prof. (Dr.) H. P. Saikia	Dr. Pallabi Bhattacharjee
46	Otitis Media With Effusion And Acute Otitis Media	Prof. (Dr.) H. P. Saikia	Dr. Rupalim Sarma
47	Radiotherapy In Ent	Prof. (Dr.) H. P. Saikia	Dr. Mirza Mahidul Islam
48	Chronic Otitis Media	Prof. (Dr.) H. P. Saikia	Dr. Ananta Biswas
49	Non Malignant Disease Of Thyroid	Prof. (Dr.) H. P. Saikia	Dr. Mirza Mahidul Islam
50	Research Prospects In Ent	Dr. N. J. Saikia	Dr. Pallavi Das
51	Epistaxis	Dr. N. J. Saikia	Dr. Kanchan Chaudhary
52	Malignant Diseases Of Thyroid	Dr. N. J. Saikia	Dr. Pallabi Bhattacharjee
53	Thyroid Gland Anatomy, Physiology, Tft & Imaging	Dr. N. J. Saikia	Dr. Mirza Mahidul Islam
54	Parathyroid Gland Anatomy, Physiology, Parathyroid Function Tests And Imaging And Parathyroid Dysfunction	Prof. (Dr.) H. P. Saikia	Dr. Pallabi Bhattacharjee
55	Laser In Ent	Prof. (Dr.) H. P. Saikia	Dr. Pallavi Das

## 2. SCIENTIFIC PUBLICATION:

### a) Dr. Naba Jyoti Saikia, Associate Professor, dept. of ENT, JMCH-

- “Proposal of New Key Step in Lateral Approach Thyroidectomy in Light of Comparison of Surgical Outcomes of Medical versus Lateral Approach Thyroidectomy: A Randomised Controlled Study” - International Journal of Otolaryngology, Volume 2021, Article ID 8546860, 10 pages
- “Retrospective Clinico-epidemiological study of cases of acute suppurative otitis media attending ENT OPD of tertiary care centre in upper Assam region” - International Journal of Medical Science and Innovative Research, Vol. 6, Issue 1, January- 2021, Page No.: 222-227
- “Retrospective Hospital Data Based Study On Allergic Rhinitis Cases in Upper Assam Region” – Indian Journal of Applied Research , Volume 11, Issue 01, January 2021
- “Incidence of Head and Neck Cancer in Upper Assam Province”- Indian Journal of Applied Research, Volume 11, Issue 03, March 2021
- “Nasopharyngeal Carcinoma- A Changing Trend in Epidemiology, Incidence-Rate And Treatment Prospects In Tertiary Care Hospital” Volume 11, Issue 03, March 2021

## 3. RESEARCH WORK DONE/UNDERGOING:

- Multicentric project of ICMR, RMRC involving JMCH with Dr. Naba Jyoti Saikia, Assoc. Prof., ENT as one of the Principal Investigators in the pipeline-** “A comprehensive study of upper Gastrointestinal cancers (esophageal & stomach) and nasopharyngeal cancer in Northeast India.”
- 6 nos. of ongoing PGT Research Projects-**
  - Dr. Mirza Mahidul Islam** – “Clinicopathological analysis of sinonasal polyposis with special reference to surgical management”; **Guide-** Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH; **Co-Guide-** Prof. (Dr.) Prasanta Kr. Baruah, Professor, Pathology, JMCH

- ii) **Dr. Pallavi Das**- “A comprehensive analysis of chronic otitis media mucosal type and its surgical management”; **Guide**- Dr. Naba Jyoti Saikia, Assoc. Prof, ENT, JMCH; **Co-Guide**: Prof.(Dr.) Deep Roy, Prof. & HOD, Radiology, JMCH.
- iii) **Dr. Pallabi Bhattacharjee**- “A clinical profile of otitis media with effusion and its management in children” **Guide**- Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH; **Co-Guide**- Dr. Rasadhar Deka, Assoc. Prof., Pathology, JMCH
- iv) **Dr. Rupalim Sarma**- “Clinical improvement of symptoms following Septoplasty with and without inferior turbinate reduction” **Guide**- Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH
- v) **Dr. Ananta Biswas**- “A clinical study on post-operative complications of Tracheostomy and its prevention” **Guide**- Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH
- vi) **Dr. Kanchan Chaudhary**- “Surgical management of different Thyroid Tumour and quality of life post Thyroidectomy” **Guide**- Dr. Naba Jyoti Saikia, Assoc. Prof., ENT, JMCH
- c) **3 nos. of new Research work undertaken in the deptt-**
  - i) “A Retrospective Study on Burden of Foreign Bodies in ENT Region and its Management”- **Corresponding author**: Dr. Mirza Mahidul Islam, PGT, ENT, **1<sup>st</sup> Author**: Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH; **2<sup>nd</sup> Author**: Dr. Nizamuddin Khan, Registrar, ENT, JMCH; **3<sup>rd</sup> Author**: Dr. Naba Jyoti Saikia, Assoc. Prof., ENT, JMCH
  - ii) “A Retrospective Study on Tracheostomy During COVID Times – A Change of Perspective In Management” - **Corresponding author**: Dr. Pallabi Bhattacharjee, PGT, ENT; **1<sup>st</sup> Author**: Dr. Naba Jyoti Saikia, Assoc. Prof., ENT, JMCH, **2<sup>nd</sup> Author**: Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH; **3<sup>rd</sup> Author**: Dr. Florence Ratna Borah, Registrar, ENT, JMCH
  - iii) “Manifestations of uncommon diseases in ENT and H&N region: A hospital based prospective study” - **Corresponding author**: Dr. Pallavi Das, PGT, ENT, **1<sup>st</sup> Author**: Dr. Naba Jyoti Saikia, Assoc. Prof., ENT, JMCH, **2<sup>nd</sup> Author**: Prof.(Dr.) Hiranya Prova Saikia, Prof. & HOD, ENT, JMCH; **3<sup>rd</sup> Author**: Dr. Florence Ratna Borah, Registrar, ENT, JMCH

#### 4. PROFESSIONAL SERVICES:

- (a) No. of OPD Patients - **7768**
- (b) No. of IPD Patients - **502**
- (c) No. of Major Surgery- **129**
- (d) No. of Minor Surgery- **663**

#### 5. IMPORTANT MACHINERY/ EQUIPMENTS INSTALLED IN THE DEPARTMENT:

- a) Pure Tone Audiometer (for ENT OPD, installed on 19/04/2021)
- b) Oto-Acoustic Emission (OAE) machine for hearing test (for ENT OPD, installed on 19/04/2021)
- c) Impedance Audiometer (for ENT OPD, installed on 19/04/2021)
- d) Coblation machine (for ENT OT, installed on 04/08/2021)

#### 6. OTHER RELEVANT INFORMATION:

- i) Screening for hearing test of the Differently Abled persons done by the ENT department in every 1<sup>st</sup> & 3<sup>rd</sup> Saturday of every month
- ii) **Guest Lectures conducted:**
  - (a) Topic: “**Different approaches of Thyroid Surgery**”. Speaker: **Prof. (Dr.) Jyotirmoy Phukan**, Prof. & HOD, Dept. of ENT, AMCH, Dibrugarh
  - (b) Topic: “**Juvenile onset recurrent respiratory papillomatosis**”. Speaker: **Dr. Rupam Borgohain**, Assoc. Prof., Dept. of ENT, Tezpur Medical College, Tezpur
  - (c) Topic: “**Branchial arch anomalies & their management - a brief analysis**”Speaker: Dr. Rupam Borgohain, Assoc. Prof., Dept. of ENT, Tezpur Medical College, Tezpur

- (d) Topic: “**Management of juvenile nasopharyngeal angiofibroma**” Speaker: Prof. (Dr.) Jyotirmoy Phukan, Prof. & HOD, Dept. of ENT, AMCH, Dibrugarh
- (e) Topic: “**Cochlear implant in Adults & Children**” Speaker: Dr. Kumkum Bora, Associate Prof. , Dept. of ENT, GMCH, Gauhati
- (f) Topic: “**Stapes Surgery**” Speaker: Dr. Pinpo Teron, Assoc. Prof. , Dept. of ENT, Diphu Medical College, Diphu
- (g) Topic: “**Management of patient presenting with cervical lymphadenectomy with unknown primary**” Speaker: Dr. Pinpo Teron, Assoc. Prof. , Dept. of ENT, Diphu Medical College, Diphu
- (h) Topic: “**Otosclerosis**” Speaker: Dr. Pinpo Teron, Assoc. Prof. , Dept. of ENT, Diphu Medical College, Diphu





## 6.11: ANNUAL REPORT – DEPARTMENT OF MEDICINE

### LIST OF FACULTY:

Dr. A. K. Sen	Professor & HOD
Dr. Kalpana Chetia	Associate Professor
Dr. Usha Rani Pegu	Associate Professor
Dr. Naruttam Sonowal	Associate Professor
Dr. Jawgam Umbon	Associate Professor
Dr. Rajib Kr. Borah	Assistant Professor
Dr. Uttam Kr. Nath	Assistant Professor
Dr. Giorgi Saikia	Assistant Professor
Dr. Swarup Kar	Assistant Professor
Dr. Nayanjyoti Bez	Assistant Professor
Dr. Deepjyoti Saikia	Registrar
Dr. Rupjyoti Das	Registrar
Dr. Nirmita Saikia	Registrar

### 1.ACADEMIC ACTIVITIES:

#### a. UG seminars conducted:8

S.No.	Topic	Presenters	Moderator
1	Stroke	Abhijit Das	Dr S Kar
2	Cirrhosis of liver	Babul Badshah	Dr R K Borah
3	Acute coronary Syndrome	Dilwar Hussain	Dr G Saikia
4	COPD	Mamoon Kedia	Dr U K Nath
5	Thyroid disorder	Rituraj Kaushik	Dr N Sonowal
6	Leukemia: AML, ALL & CML	Siddhant Paul	Dr A K Sen
7	Musculoskeletal disorder	Baishali Baruah	Dr N Sonowal
8	Organophosphorus poisoning	Ajoy Singh	Dr U R Pegu

#### b. PG course seminars conducted: 30

S. No.	Topic	Presenter	Moderator
1	Anatomy & physiology of lungs	Dr S Ahmed	Dr K Chetia
2	Anatomy & physiology of kidneys	Dr K Singh	Dr R K Borah
3	Renal function test in health and disease	Dr Ramesh RS	Dr A K Sen
4	Non compressive spinal cord disorder	Dr Ahmed	Dr U K Nath
5	AEFI surveillance for covid-19 vaccine implementation in Medicine Department	Dr A Debnath	Dr N Sonowal
6	Lung function test & its clinical importance in health and disease	Dr K Talukdar	Dr J Umbon
7	Sarcoidosis	Dr Sumi Dutta	Dr N Sonowal
8	Acute Pancreatitis	Dr U Basumatary	Dr J Umbon
9	COPD	Dr K Lahan	Dr U R Pegu

10	Pulmonary Embolism	Dr S Ahmed	Dr K Chetia
11	Heart Failure	Dr K Singh	Dr U R Pegu
12	Tropical Co infection	Dr Ramesh R S	Dr R K Borah
13	Extra Pulmonary Tuberculosis	Dr A Debnath	Dr K Chetia
14	Peripheral Neuropathy	Dr K Talukdar	Dr U R Pegu
15	Physiological Changes of Ageing, Approach to Falls in elderly	Dr A Debnath	Dr K Chetia
16	Clinical effects of Venomous Bites /Stings. Management of Vasculotoxic Snake bite	Dr K Lahan	Dr U R Pegu
17	Obesity	Dr U Basumatary	Dr J Umbon
18	Conduction System of Heart, WPW	Dr S Dutta	Dr U R Pegu
19	Anti-microbial Resistance: Treatment of MDR XDR Tuberculosis	Dr S Ahmed	Dr K Chetia
20	Heart Block and pacemakers	Dr K Talukdar	Dr K Chetia
21	Acute Rheumatic fever	Dr A Sharma	Dr N Sonowal
22	Lipid Metabolism, Dyslipidaemia, IHD	Dr T Ahmeda	Dr N Sonowal
23	Blood Borne Viral Hepatitis	Dr S Nayek	Dr U R Pegu
24	Rheumatoid Arthritis and Biologicals	Dr D Bora	Dr U R Pegu
25	HIV – AIDS	Dr A A Desai	Dr K Chetia
26	Acute Renal Failure	Dr L Hazarika	Dr K Chetia
27	Diabetes mellitus	Dr R Kalita	Dr K Chetia
28	Hypothyroidism	Dr B Singh	Dr R K Borah
29	Headache	Dr S Baruah	Dr S Kar
30	Organophosphorus poisoning	Dr K Das	Dr K Chetia

**c. PG case presentation conducted: 14**

S. No	Topic	Presenter	Moderator
1	Para paresis	Dr K Talukdar	Dr U R Pegu
2	Cardiovascular System	Dr A Debnath	Dr G Saikia
3	Rheumatology	Dr S Ahmed	Dr K Chetia
4	Peripheral Neuropathy	Dr Ramesh RS	Dr R K Borah
5	Pleural effusion	Dr U Basumatary	Dr J Umbon
6	Cerebrovascular accident	Dr R H Ahmed	Dr N Sonowal
7	Acute Pancreatitis	Dr U Basumatary	Dr J Umbon
8	Systemic Sclerosis	Dr K Lahon	Dr U R Pegu
9	Nervous System	Dr S Dutta	Dr N Sonowal
10	AIDP	Dr K Singh	Dr U R Pegu
11	Parkinson's Disease	Dr Ramesh R S	Dr R K Borah
12	Multivalvular heart disease	Dr R H Ahmed	Dr U K Nath
13	Central nervous system	Dr U Basumatary	Dr J Umbon
14	Paraparesis	Dr S Ahmed	Dr K Chetia

#### **d. PG Journal Clubs conducted:10**

- 1. 03-01-2021:** Hyponatremia in ICU, Presenter: Dr K Lahon, Moderator: Dr K Chetia.
- 2. 16-01-2021:** Costarting sitagliptin and metformin is associated with a lower likelihood of disease progression in newly treated people with type2diabetes a cohort study. Presenter: Dr U Basumatary, Moderator: Dr UR Pegu.
- 3. 23-01-2021:** Prevalance, awareness, treatment and controlof hypertension among the elderly in Bangladesh and India: A multicentre study. Presenter: Dr R H Ahmed, Moderator: Dr UR Pegu.
- 4. 30-01-2021:** Clinical Profile and 30 days outcome of woman with acute coronary syndrome as a first manifestation of ischaemic heart disease: a single centre observational study. Presenter: Dr S Dutta, Moderator: Dr UR Pegu.
- 5. 06-02-2021:** Early Control Therapy in patients with atrial fibrillation. Presenter: Dr Ramesh RS. Moderator: Dr K Chetia.
- 6. 13-02-2021:** ST segment elevation: distinguishing St elevation myocardial infarction from ST elevation secondary to non-ischaemic changes. Presenter: Dr S Ahmed. Moderator: Dr UR Pegu.
- 7. 06-03-2021:** Admission hyperglycaemia as predictor of mortality in patients hospitalized with COVID19 regardless of diabetes status: data from Spanish semi covid 19 registry. Presenter: Dr S Ahmed. Moderator: Dr UR Pegu.
- 8. 27-07-2021:** Real world safety and efficacy of tenecteplase vs alteplase in acute ischaemic stroke patients with large vessel occlusion. Presenter: Dr K Das. Moderator: Dr N Sonowal.
- 9. 10-08-2021:** Characteristic of ICH associated with COVID 19. Presenter: Dr V Singh. Moderator: Dr K Chetia.
- 10. 24-08-2021:** Profile of patients with hypertensive urgency and emergency presenting to an urban emergency department of a tertiary hospital in Tanzania. Presenter: Dr S Baruah. Moderator: Dr J Umbon.

#### **e. Clinical Pathological Conference: 03**

- 1. 26-02-2021:** Multiple myeloma. Presenter: Dr A Debnath. Panellist: Dr K Chetia (Assoc Prof. Medicine) and Dr Prabir Hazarika (Asstt Prof. Pathology).
- 2. 16-03-2021:** Megaloblastic anaemia. Presenter- Dr RHaque. Panellist: Dr N Sonowal (Assoc Prof. Medicine) and Dr Bibhash Gogoi (Asstt Prof. Pathology).
- 3. 12-08-2021:** Chronic myeloid leukaemia. Presenter: Dr S Dutta. Panellist: Dr UR Pegu (Assoc Prof. Medicine) and Prof Prasanta Kr. Baruah (Professor of Pathology).

#### **2. SCIENTIFIC PUBLICATIONS:**

##### **Dr K Chetia, Associate Professor of Medicine:**

- i.** Dr R K Borah, Dr K Chetia: Glucose -6-phosphate dehydrogenase activities in diabetes a study at tertiary care teaching hospital in the north east India – Int J. Adv.Res. 8(05), 1259-1262
- ii.** Dr R K Borah, Dr K Chetia: Reactive Arthritis in Tuberculosis – Assam journal of Internal Medicine July 2020
- iii.** Chetia Kalpana and Gogoi Rumanchita (2020); Music and Health – a review article on therapeutic application of music Int. J. of Adv. Res. 8 (Jun 2020). 622-625] (ISSN 2320-5407). [www.journalijar.com](http://www.journalijar.com)

##### **Dr U R Pegu, Associate Professor of Medicine:**

- i.** Dr U R Pegu, Dr U K Nath, Dr D Das: Clinical Study Of Early Insulin Therapy Compared To Oral Hypoglycemic Agents In Newly Detected Type 2 Diabetes Mellitus- A Hospital Based Study; Int. J. Adv. Res. 8(04), 1050-1055; April 2020(corresponding author). Research Article.
- ii.** U K Nath, U R Pegu, R K Borah, D Saikia, K Lahan, R H Ahmed – Sudden loss of vision – a rare presentation of father's disease. Assam Journal of Internal Medicine. Pg-45.
- iii.** Dr U R Pegu, Dr Alakesh Choudhuri, Dr U K Nath- Thyroid Hormone abnormality in patients with acute stroke. A hospital-based control study. IJAR. Acceptance 20th June, 2021.
- iv.** Pegu U R, Bora R K – Study at peripheral neuropathy with special reference to nerve condition test in SLE. One page CV.
- v.** Dr U R Pegu, Dr Alakesh Choudhuri, **Dr U K Nath**- Thyroid Hormone abnormality in patients with acute stroke. A hospital-based control study. Int.j.Adv.Res. 9(06), 381-391

**Dr Rajib Kumar Borah, Assistant Professor of Medicine:**

- i. Dr R K Borah, Dr K Chetia: glucose-6-phosphate dehydrogenase activities in diabetics a study at a tertiary care teaching hospital in the north east india. - Int. J. Adv. Res. 8(05), 1259-1262, May, 2020.
- ii. Dr R K Borah, Dr K Chetia: upper gastro-intestinal bleeding in a tertiary care center in north-east india: a retrospective study - Int. J. Adv. Res. 8(06), 559-563.
- iii. Dr R K Borah, Dr K Chetia: Reactive Arthritis in Tuberculosis – Assam journal of Internal Medicine July 2020.

**Dr U K Nath, Assistant Professor of Medicine:**

- i. **Dr U K Nath.** Universal work precautions and post exposure management of HIV/ AIDS : Medicine update 2019, API, Assam Chapter , Vol:XXII; Page -439 .
- ii. Dr U R Pegu, **Dr U K Nath**, Dr D Das: Clinical Study Of Early Insulin Therapy Compared To Oral Hypoglycemic Agents In Newly Detected Type 2 Diabetes Mellitus- A Hospital Based Study; Int. J. Adv. Res. 8(04), 1050-1055; April 2020
- iii. **U K Nath**, U R Pegu, R K Borah, D Saikia, K Lahan, R H Ahmed – Sudden loss of vision – a rare presentation of Father's disease. Assam Journal of Internal Medicine;January,2021;vol.11;issue 1;Pg-45.
- iv. Dr U R Pegu, Dr Alakesh Choudhuri, **Dr U K Nath**- Thyroid Hormone abnormality in patients with acute stroke. A hospitalbased control study.Int.j.Adv.Res. 9(06),381-391,June 2021:

**Dr S Kar, Assistant Professor of Medicine:**

- i. Joint and functional asesment following secondary and tertiary prophylaxis in haemophilia – Co-author (3rd) Assam Jouranl of Internal Medicine; vol. 10; Issue I; p 27-31; Jan 2020.

**4. PROFESSIONAL SERVICE:**

- i.Intensive care facilities provided: ICU, ICCU, RICU.
- ii.Special diagnostic facility provided: ECG, Holter Monitoring, Echo.
- iii. Special service: ART centre.
- iv) VIP/ VVIP medical duties: 41(24/09/2020 to 13/09/2021)
- v)Stand by medical duties for Govt examination :12

**OPD and IPD admission in the department:**

Year	OPD Admission			IPD Admission		
	Male	Female	Total	Male	Female	Total
01/09/2020 to 31/08/2021	10329	9671	20,000	3986	2503	6489



## 6.12: ANNUAL REPORT – DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

### LIST OF FACULTIES:

Prof. (Dr) Hem Kanta Sarma, Professor  
Dr. Apurba Kumar Bhattacharya, Associate Professor  
Dr. saidul Islam Borah, Associate Professor  
Dr. Bhargav Chaliha, assistant Professor  
Dr. Pranabika Mahanta, Assistant Professor  
Dr. Bina Tokbi, Assistant Professor  
Dr. Surat Zaman, Assistant Professor  
Dr., Pranamika Konyak, Registrar  
Dr. Savant Kr. Sahu, Registrar  
Dr. Zafreen Baruah, Registrar

### 1. ACADEMIC ACTIVITIES:

#### a. Nos. of horizontal integrated class conducted (Topic Name, Moderator & Presenters):

- i. 17.02.2021 : Topic name : Approach to diagnosis & management of microcytic hypochromic anaemia, Moderator – Dr. Pranabika Mahanta, Presenter : Dr. Antara Das
- ii. 23.02.2021: Topic Name : Hemoglobinopathy, Moderator : Dr. Shaidul Islam Borah, Presenter: Dr. Uma Y
- iii. 25.02.2021 : Topic Name : Clinical features & management of Hypertension in pregnancy, Moderator : Dr. Binoy Kumar Borah, Presenter : Dr. Tapashi Ghosh
- iv. 05.03.2021: Topic Name : Coagulation disorder in pregnancy, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Tapashi Ghosh
- v. 18.03.2021 : Topic Name : Drugs use and abuse , Teratogenicity, Moderator : Dr. Shaidul Islam Borah, Presenter : Dr. Tanmoy Deka
- vi. 27.04.2021 : Topic Name : Postop fluid management and electrolyte imbalance Moderator : Dr. Binoy Kumar Borah, Presenter : Dr. Abhinab Bhattacharjee.
- vii. 18.06.2021 : Topic Name : Female genital TB, Moderator : Dr. Bhargav Chaliha, Presenter : Dr. Tanmoy Deka
- viii. 20.08.2021 : Topic Name : Acute Abdomen in Obstetrics & Gynaecology- Approach to diagnosis and management, Moderator : Dr. Bina Tokbi, Presenter : Dr. Abhinab Bhattacharjee.

#### b. 2 Years. PG course/3 years PG course seminars conducted ( Topic Name, moderators & Presenters) : 3 years PG course : 11 No's

- i. 23.09.2020:- Topic Name : Endometriosis, Moderator : Dr. Hem Kanta Sarma, Presenter: Dr Abhinab Bhattacharjee
- ii. 11.10.2020:- Topic Name : Abnormal uterine bleeding, Moderator : Dr Tanmoy Deka, Presenter : Dr. Apurba Kumar Bhattacharya
- iii. 07.10.2020:- Topic Name : Pelvic organ Prolapse, Moderator : Dr. Dr. Apurba Kumar Bhattacharya, Presenter: Dr Tapashi Ghosh.
- iv. 13/10/2020:- Topic Name : Antepartum Hemorrhage, Moderator : Dr. A.K. Bhattacharya, Presenter: Dr. Rashi Bishnoi
- v. 14.10.2020:- Topic Name : Benign ovarian Tumors, Moderator : Dr. Apurba Kumar Bhattacharya, Presenter: Dr. Antara Das.
- vi. 22.10.2020:- Topic Name: Eclampsia, Moderator: Dr. Hem Kanta Sarma, Presenter: Dr. Chinmoyee Deori
- vii. Dr. Chinmoyee Deori
- viii. 13.11.2020:- Topic Name : Prelabour rupture of membranes, Moderator : Dr. Pranabika Mahanta, Presenter: Dr Rajib Sur.
- ix. 25.11.2020:- Topic Name : Lymphatic drainage of female genital tract, Moderator : Dr. Shaidul Islam Borah, Presenter: Dr. Mezarine Kalita.
- x. 04.12.2020:- Topic Name : Nerve supply to the female genital tract and urinary bladder, Moderator : Dr Runjun Doley, Presenter:.
- xi. 06.01.2021:- Topic Name : Blood supply of female genital tract, Moderator : Dr. Apurba Kumar Bhattacharya, Presenter: Dr. Chinmoyee Deuri.

- xii. 13.01.2021:- Topic Name : Anatomy of abdominal wall , Moderator : Dr.Binoy Kumar Borah, Presenter: Dr. Pinaki Baruah
- xiii. 20.01.2021 : Topic Name :Jaundice in pregnancy, Moderator : Dr. Shaidul Islam Borah, Presenter : Dr. Mezarine Kalita
- xiv. 27.01.2021 : Topic Name : Thyroid disorder in pregnancy, Moderator: Dr. Bhargav Chaliha, Presenter : Dr. Tridip Buragohain
  
- xv. 02.02.2021 : Topic Name : Intrauterine Death, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Rajib Sur
- xvi. 03.02.2021: Topic Name : Diabetes in pregnancy, Moderator : Dr. Shaidul Islam Borah, Presenter : Dr. Chinmoyee Deori
- xvii. 10.02.2021 : Topic Name :CVS disorder in pregnancy, Moderator : Dr. Bhargav Chaliha, Presenter : Dr. Pinaki Baruah
- xxviii. 11.02.2021: Topic Name :Shock in O&G, Moderator : Dr. Bina Tokbi, Presenter : Dr. Antara Das
- xix. 31.03.2021; Topic Name : Trophoblastic disease, Moderator : Dr. Binoy Kumar Borah, Presenter : dr. Tapashi Ghosh
- xx. 08.04.2021: Topic Name : Endometrial Carcinoma, Moderator : Dr. Bina Tokbi, Presenter : Dr. Pinaki Baruah
- xxi. 13.04.2021 :Topic Name : Ca cervix premalignant lesions, Moderator :Dr. Hem kanta Sarma, Presenter : Dr. Antara Das
- xxii. 20.04.2021 : Topic Name : Ca Ovary, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Merzarine Kalita
- xxiii. 22.04.2021 ; Topic Name : Ca cervix advanced cases, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Uma Y
- xxiv. 06.07.2021: Topic Name : Vulval Carcinoma, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Chinmoyee Deuri
- xxv. 08.07.2021 : Topic Name : Chemotherapy, Moderator : Dr. Binoy Kumar Borah, Presenter : Dr. Tridip Buragohain
- xxvi. 13.07.2021 : Topic Name : Radio therapy, Moderator : Dr. Pranabika Mahanta, Presenter: Dr. Rajib Sur
- xxvii. 14.07.2021 : Topic Name : USG in obstetrics, Moderator : Dr. Bina Tokbi, Presenter :Dr. Abhinab Bhattacharjee
- xxviii. 15.07.2021 : Topic Name : Abnormal Uterine Bleeding, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Tanmoy Deka
- xxix. 20.07.2021 : Topic Name : Infertility : Causes & Investigations, Moderator : Dr. Apurba Kumar Bhattacharya, Presenter : Dr. Tapashi Ghosh
- xxx. 21.07.2021 : Topic Name : Male Infertility, Moderator : Dr. Hem Kanta Sarma, Presenter : Dr. Antara Das
- xxxi. 22.07.2021 : Topic Name : Artificial Reproductive Technique, Moderator : Dr. Apurba Kumar Bhattacharya, Presenter : Dr. Uma Y
- xxxii. 29.07.2021 : Topic Name : PID, Moderator : Dr. Bina Tokbi, Presenter : Dr. Pinaki Baruah
- xxxiii. 04.08.2021 : Topic Name : Vault Prolapse, Moderator: Dr. Apurba Kumar Bhattacharya, Presenter : Dr. Mezarine Kalita
- xxxiv. 06.08.2021 : Topic Name :Urinary incontinence, Conservative/ Medical management, Moderator : Dr. Shaidul Islam Borah, Presenter : Dr. Chinmoyee Deori
- xxxv. 11.08.2021 : Topic Name : Endometriosis, Moderator : Dr. Bhargav Chaliha, Presenter : Dr. Rashi Bishnoi
- xxxvi. 12.08.2021 : Topic Name : Urinary incontinence surgical management, Moderator : Dr. Binoy Kumar Borah, Presenter : Dr. Tridip Buragohan
- xxxvii. 18.08.2021: Topic Name : Benign lesion of ovary, Moderator : Dr. Shaidul Islam Borah, Presenter : Dr. Tanmoy Deka
- xxxviii. 19.08.2021 : Topic Name : Fibroid, Moderator : Dr. Apurba Kumar Bhattacharya, Presenter ; Dr. Tapashi Ghosh
- xxxix. 25.08.2021 : Topic Name : Hysterectomy, Moderator: Dr. Hem Kanta Sarma, Presenter : Dr. Antara Das

- xl. 01.09.2021 : Topic Name : Caesarean Section. Moderator : Dr. Pranabika Mahanta, Presenter : Dr. Uma Y.

**c. CME conducted if any ( Topic name, Speakers name & designation ):**

- i. 08.03.2021: Topic Name : Prevention of breast cancer and Ca cervix Speaker : Dr. Apurba Kumar Bhattacharya, Associate Professor ,Obst. & Gynae, JMCH,Jorhat.
- ii. 01.07.2021.: Topic Name : COVID-19 in pregnancy & safe motherhood, Speaker : Dr. Hem Kanta Sarma, Professor & HOD, Obst . & Gynae, JMCH, Jorhat
- iii. 31.08.2021 : Topic Name : Clinical management of abnormal uterine bleeding , Speaker : Dr.Apurba Kumar Bhattacharya, Assoc. Professor, Obst. & Gynae, JMCH, Jorhat

**2. SCIENTIFIC PUBLICATIONS:**

SL. NO	NAME OF AUTHOR	TOPIC NAME	JOURNAL NAME	VOL. (ISSUE) & PAGE NOS.
1	Dr. Hem Kanta Sarma Prof. & HOD	1.Amion grafting in vaginoplasty  2. COVID 19 infection in pregnancy – vertical transmission and lactoferrin  3. Problem shooting in obstetrics	The New Indian journal of OBGYN  The New Indian journal of OBGYN  The New Indian journal of OBGYN	Vil 7- Issue 1, July- Dec, 2020, ISSN – 2454-2334 ( Print)ISSN – 2454-2342( online)  Vol 7-Issue 2-Jan- June, 2021,ISSN-2454-2334(Print) ISSN-2454-2342(Online)  Vol 8-Issue 1-July- December,2021,ISSN-2454-2334(Print) ISSN-2454-2342(Online)
2	Dr. Binoy Kumar Borah Assistant professor	Analysis of Caesarean section Rate, According to Robson's criteria at Diphu Medical College and Hospital,		SJAMS June,2021; 9(6);1006-1010 ISSN 2347-954(x) ( print) ISSN – 2320-6691( online)
3	Dr. Pranabika Mahanta Assistant Professor	Effect of technology enhanced learning on the development of the procedural skill of 8 <sup>th</sup> semester students in the labour room		IJHRMLP Jan – June.2021 Vol-7 No.1 ISSN 2394-806x(Print)ISSN 2454-5139 (Electronic)

**3. RESEARCH WORK DONE/ UNDERGOING:**

- a. Prevalence of HIV infection amongst females attending Gynae OPD of a tertiary care centre of Jorhat Assam, India: **Dr. Hem Kanta. Sarma, & Dr. Pranabika Mahanta**
- b. Performance evaluation of PPTCT programme at JMCH, Jorhat for last 3 years: A retrospective study : **Dr. Binoy Kumar Borah & Dr. Nikhil Ranjan Rajkhowa**
- c. Multicentric Study on Anaemia in pregnancy under SSUHS in collaboration of Oxford University. **Dr. Hem Kanta Sarma & Dr. Pranabika Mahanta.**
- d. Study of Histomorphology of Placenta of Normal Pregnancy and Pregnancy with Co Morbidity with Special Reference to Maternal Biochemical Parameters and Neonatal Outcome. **Dr Shaidul Islam Borah & Dr S Sahu.**

- e. vaginal infection and its risk factors among women of reproductive age group with special reference to tea garden workers of upper Assam: case control study. **Dr. Purnima Baruah, Dr. Pranabika Mahanta, Dr. Uttra Borkotoky**
- f. Maternal mortality in JMCH, A retrospective study for last 10 years : **Dr. Apurba Kumar Bhattacharya, Dr. Binoy Kumar Borah**
- g. To determine the effect of pregnancy with COVID 19 on maternal and Neonatal outcome- A retrospective cohort study. **Dr. Pranabika Mahanta, Dr. Apurba Kumar Bhattacharya & Dr. Manab Narayan Baruah, Mrs. Anuradha Hazarika Medhi**

#### 4. PROFESSIONAL SERVICE:

Patient attendance: OPD attendance: 11,793(from 1<sup>st</sup> September, 2020 to 31<sup>st</sup> August, 2021)

Indoor admission: 10,988

Major Operation: 5106(including LSCS)

Minor operation: 244

LSCS : 4577

Total Delivery : 8520

Histopathological examination of the Dept.: 126

New adverse drug reaction identified: Nil

Post mortem examination: Nil

**6. MACHINERY AND EQUIPMENTS:** List of important machinery/ equipments purchased/ installed in the department during the aforesaid period. :

1. Electro surgical Diathermy Generator 1 no
2. Simple fetal Doppler 1 no

#### 7. OTHER RELEVANT INFORMATION:

##### STATEMENT OF CME & WORKSHOP ATTENDED BY THE TEACHER

Name of Teachers	Topic	Date	venue
Dr. A.K.Bhattacharya	36 <sup>th</sup> ISOPARB National Conference 2021	9 <sup>th</sup> , 10 <sup>th</sup> , 11 <sup>th</sup> April, 2021	Bhubaneswar, Odisha
	35 <sup>th</sup> Biennial conference of IMA Assam State Branch, MediMeet 2021	19 <sup>th</sup> , 20 <sup>th</sup> & 21 <sup>st</sup> March, 2021	Bongaigaon, Assam
Dr. P. Mahanta	Advanced Diploma in ART And Reproductive Medicine	14 <sup>th</sup> to 18 <sup>th</sup> July, 2021	

#### 8. VISITING SCIENTIST/ FACULTY :

Sl. No	Topic Name	Faculty	Designation	Date
01	Workshop on Gynaecological Endoscopy 'EAGLE' in collaboration with IAGE	Dr. Arun Madhab Baruah	MD(O&G), Sampreeti Hospital, Sivsagar	22/10/2020 to 23/10/2020
02		Dr. Dipak Neog,	Consultant Surgeon, Brahmaputra Hospital, Dibrugarh	
03		Dr. Ranjan Mahanta	Consultant Surgeon, NRL Hospital, Numaligarh	





## 6.13: ANNUAL REPORT – DEPARTMENT OF DERMATOLOGY

### LIST OF FACULTIES:

Dr. Krishna Talukdar, Prof. & H.O.D  
Dr. Chayanika Kalita, Assistant Professor  
Dr. Minakshi Narah, Registrar

### 1. ACADEMIC ACTIVITY:

#### a). No. of Undergraduate seminars held-

1. Topic: Scabies & Pediculosis, **Moderator:** Dr. Krishna Talukdar & Dr. Animesh Sarkar.
2. Topic: Physiology of Skin, **Moderator:** Dr. Krishna Talukdar & Dr. Animesh Sarkar .
3. Topic: Bacterial infections of skin, **Moderator:** Dr. Krishna Talukdar & Dr. Animesh Sarkar .
4. Topic: Leprosy, **Moderator:** Dr. Krishna Talukdar & Dr. Animesh Sarkar ..
5. Topic: Morphology of Skin Lesions & Basic Investigation, **Moderator:** Dr. Krishna Talukdar & Dr. Jahnabi Boruah.
6. Topic: Psoriasis & Ichthyosis, **Moderator:** Dr. Krishna Talukdar & Dr. Jahnabi Boruah.
7. Topic: Sexually Transmitted Infections, **Moderator:** Dr. Krishna Talukdar & Dr. Jahnabi Boruah.
8. Topic: Superficial Fungal infection, **Moderator:** Dr. Krishna Talukdar & Dr. Jahnabi Boruah.
9. Topic: Scabies, **Moderator:** Dr. Krishna Talukdar .
10. Topic: Viral Infection of Skin, **Moderator:** Dr. Krishna Talukdar .
11. Topic: Psoriasis, **Moderator:** Dr. Krishna Talukdar .
12. Topic: Bacterial Infection, **Moderator:** Dr. Krishna Talukdar .
13. Topic: Lichen Planus, **Moderator:** Dr. Krishna Talukdar .
14. Topic: Acne, **Moderator:** Dr. Krishna Talukdar ..
15. Topic: Morphology of Skin Lesions & Basic Investigation, **Moderator:** Dr. Krishna Talukdar .
16. Topic: Superficial fungal Infection, **Moderator:** Dr. Krishna Talukdar .
17. Topic: Basic Morphology of Skin, **Moderator:** Dr. Krishna Talukdar .
18. Topic: Urticaria, **Moderator:** Dr. Krishna Talukdar .
19. Topic: Immunobolous disorders, **Moderator:** Dr. Krishna Talukdar .
20. Topic: Fungal Infections, **Moderator:** Dr. Krishna Talukdar .

### 2. SCIENTIFIC PUBLICATIONS:

**Dr. Krishna Talukdar,**

a) Topic: Correlation of Dermoscopic and Histopathologic Patterns in Leprosy – A Pilot Study. Ajoy Chopra, Debdeep Mitra, Reetu Agarwal, Neerja Saraswat, Krishna Talukdar, Abhay Solanki.  
Department of Dermatology, Base Hospital, Delhi Cantt, New Delhi, Department of Dermatology, Jorhat Medical College & Hospital, Jorhat, Assam, India.

Journal – Indian Dermatology Online Journal. Volume 10., Issue 6., November- December 2019

b) Topic : Solitary Growth on the Arm.

Journal : Indian Dermatology online Journal 10(2) , 190, 2019

c) Topic: A case of Paracoccidioidomycosis in a HIV positive patient-Letter to Editor, IJSTD\_80\_20R2\_LTE.

Journal : Indian Journal of Sexually Transmitted diseases and AIDS , volume XX, Issue XX, month 2021

#### 4. PROFESSIONAL SERVICE:

Year	OPD	IPD	SPECIAL PROCEDURE	ROUTINE PROCEDURE
September-2020	311	13		
October-2020	409	3		
November-2020	651	5		
December-2020	884	6		
January-2021	865	3	3	10
February -2021	1119	4	2	9
March -2021	1392	10	2	11
April -2021	872	11	4	12
May -2021	251	5	NIL	2
June -2021	358	10	2	9
July-2021	428	10	7	11
August-2021	612	15	3	22

#### 6. LIST OF IMPORTANT MACHINERY PURCHASED:

Quantity	Name of the Machine
1	EXCIMER



## 6.14: ANNUAL REPORT – DEPARTMENT OF PSYCHIATRY

### LIST OF FACULTIES:

1. Dr. Kamala Deka, MD, Prof. & H.O.D
2. Dr. P. K. Bhattacharjee, MD, Assistant Professor
3. Dr. Dipjyoti Bora, MD, Registrar
4. Dr. Anju Moni Rabha, MD, Registrar
5. Dr. Mantosh Kumar Yadav, MD, Senior Resident
6. Dr. Amlanjyoti Deb, MD, Senior Resident
7. Dr. Porinita Dutta MD, Senior Resident
8. Ms. Suman Borah, Psychiatric Social Worker
9. Ms. Ankita Dutta, Psychiatric Social Worker.

### 1. ACADEMIC ACTIVITY:

- a) No. of horizontal & vertical integrated classes held collaborative: 3 nos Online integrated Seminar.

### 2. SCIENTIFIC PUBLICATIONS:

**a) Rabha AM, Deka K, Bhattacharjee PK, Bora D.** Pattern of patients attending psychiatry OPD of a tertiary health care center during the period of nationwide lock down. International journal of psychiatry research 2020; 2(2): 21-25

**b) Deka K, BP Manju, Bora D.** Occurrence of alcohol dependence, Pattern of alcohol use and Psychiatric Co morbidity in a tertiary care center in upper Assam, India. Journal of Evidence based Medicine and Health care; Vol.8, issue 21; May 2021.

### 3. RESEARCH WORK DONE / UNDERGOING :

- a) Impact of COVID-19 on frontline health care workers – Dr. Anju Moni Rabha, Dr. Kamala Deka, Dr. Dipjyoti Bora, Dr. P. K. Bhattacharjee, Mrs. Manju P Baruah.
- b) A study on Psychological distress and Job satisfaction among Health workers doing COVID-19 Duties – Dr. Pallab Kr. Bhattacharjee, Ms. Manju P Baruah & Dr. Kamala Deka.
- c) A Retrospective Karyotyping study in Mentally Retarded patients attending a tertiary care hospital in Jorhat District of Assam, Dr. S.K Sahu, Dr. S. Pal, Dr. D. Bora, Dr. A. Rabha
- d) Association between Hepatitis C infection with Intravenous Drug Users (IDU) IN A Tertiary Care Hospital, An observational study- Dr. Dipjyoti Bora, Dr. Kamala Deka.
- e) Association of Vitamin D, and Antioxidant Enzyme levels with occurrence of Delirium Tremens - A Case Control Study - Dr. Kamala Deka, Dr. Anjumoni Rabha, Dr. Mainak
- f) Understanding the role of temperament in adolescent substance use disorder: a case control study- Dr. Anju Moni Rabha, Dr. Kamala Deka

### 4. PROFESSIONAL SERVICE:

#### a) Patient Attendance-

Year-2020 to 2021	OPD	IPD
September-2020	127	29
October -2020	200	35
November-2020	262	32
December-2020	354	37
January-2021	318	21
February-2021	482	36

March-2021	684	48
April-2021	601	43
May-2021	299	32
June-2021	243	36
July-2021	246	38
August-2021	364	33
Total	4,180	420

**ECT (Electro Convulsive Therapy) patients Report for the year of\_\_**

<b>1<sup>st</sup> Sept-2020 to 31<sup>st</sup> August-2021</b>	<b>Male patients</b>	<b>Female patients</b>	<b>Total Session</b>
	05	02	32
Total	07		32

**Bed Strength - 30 no (Male -16) (Female -12, Chronic facility care-2)**

**b) Special clinics-**

- CGC (Child Guidance Clinic) every Tuesday, started since 09-02-2016
- DDC (Drug De-addiction Clinic) every Wednesday started since 13-01-2016
- FCC (Family Counseling Clinic) every Monday, Thursday and Friday started since 18-01-2016

c) Biofeedback therapy started since 18-05-2016 to till date

d) ECT (Electro Convulsive Therapy) Started since-1<sup>st</sup> November-2017 to till date.

**7. OTHER RELEVANT INFORMATION:**

- Other Significances activities (Individual levels)

Sl no.	Name of faculty's	Activity	Name of Topic	Conducted by
1	Dr Kamala Deka	As a resource person in World Mental Health Day on 7 <sup>th</sup> April 2021	Mental Health Awareness	LGBRIMH, Tezpur
2	Dr. Dipjyoti Bora	Webinar (2 Nos)	Speaker on the International Webinar on the topic "water and Health: managing health risk and seizing opportunities"	Dept. of physics and chemistry in collaboration with Internal Quality Assurance cell (IQAC), Kakojan college, Jorhat, Assam
			Speaker on the the national Webinar on 'Covid 19 Pandemic, Role of a Nurse during Health crisis,	Assam oil college of Nursing & Assam oil School of nursing, Digboi on 26 <sup>th</sup> to 30 <sup>th</sup> July, 2021
		Radio Talk (3 Nos)	Talk on 1 <sup>st</sup> July 2021, on Attention Deficit Hyperactivity Disorder	AIR – Jorhat
			Talk on Covid 19 & Mental Health in Air Dibrugarh on July 2021.	AIR- Dibrugarh
			Talk on World Health Day , 7 <sup>th</sup>	AIR – Jorhat

			April.	
		As a resource Person (1No)	Awareness talk on the occasion of “International Drug abuse & illicit trafficking’ on 26 <sup>th</sup> June, 2021	District legal service Authority of Jorhat.
		Article published (5 Nos)	On Epilepsy , Covid & mental Health and Anxiety disorder, March July, 2021	Daikin Janambhumi Amar Axom
3	Dr Anjumoni Rabha	As a resource person	Impact of COVID 19 in Adolescents in February 2021	Jorhat Govt. Girls Higher Secondary and Multipurpose School



## 6.15: ANNUAL REPORT – DEPARTMENT OF CARDIOLOGY

The Department of Cardiology, Jorhat Medical College, Jorhat is functioning with one faculty member since inception. The Department is progressing with time. Now the Post Graduate students of Medicine are posted in Cardiology Department on rotation and they are being trained to manage Cardiac Patient. Diploma in Cardiac Care Technology (DCCT) course is also running under Cardiology Department in collaboration with Medicine Department. Cardiac Cathlab established in March, 2019. Pacemakers Implantation started at Cardiac Cathlab since April, 2019. Now both Temporary and Permanent Pacemaker Implantations are done on regular basis.

Cardiology OPD is running twice in a week. Cardiac Patients are admitted in Medicine Department. Other professional services provided by Cardiology Department are ECG, 24 Hours Holter Monitoring & 2D Echocardiography.

**a) Faculty Details:**

Dr. Alok Jyoti Malakar. Assistant Professor

**b) Office Staff:**

Designation	Name
ECG Technician	Mr. Monjit Boruah
ECG Technician	Mr. Sibaprasad Loying
ECG, Echo and Cathlab Technician	Mr. Pranjal Baruah
ECG Technician (Contractual)	Mr. Hemanta Gogoi
Staff Nurse (Cathlab)	Mrs. Rashmi Rekha Saikia
Staff Nurse (Cathlab)	Mrs. Barnali Baruah
Lab Attendant	Mr. Mukunda Madhab Baruah
Ward Boy	Mr. Lokendra Rabidas
Ward Boy	Mr. Durlove Mazinder Baruah

**1) Details Professional Services offered (1<sup>st</sup> Sep, 2020 to 31<sup>st</sup> Aug, 2021):**

i)	Total nos. Of OPD Patient	1782 nos.
ii)	ECG	11318 nos.
iii)	Echocardiography	779 nos.
iv)	24 Hours Holter Monitoring	38 nos.
v)	Temporary Pacemaker	59 nos.
vi)	Permanent Pacemaker	62 nos.
vii)	Pericardiocentesis	5 nos.

(Total Permanent Pacemaker Implanted in Cardiac Cath Lab ..... 126 nos, from April, 2019 to till date &  
Total Temporary Pacemaker Implanted in Cardiac Cath Lab ..... 124 nos, from April, 2019 to till date)



## 6.16: ANNUAL REPORT – DEPARTMENT OF PEDIATRICS

### LIST OF FACULTIES:

Dr. Pranabjit Biswanath, Professor & HOD  
Dr. Manab Narayan Baruah, Associate Professor  
Dr. Ananta Kumar Nath, Assistant Professor  
Dr. Pankaj Pradeep Panyang, Assistant Professor  
Dr. Nabanita Das, Assistant Professor  
Dr. Murchana Khound, Registrar  
Dr. Ankita Bihani, Registrar  
Dr. Bidyut Bikash Saikia, Registrar  
Dr. (Mrs.) Swapnalee Baruah, Specialist Pediatrician

### 1. ACADEMIC ACTIVITIES:

- a. Nos. of horizontal integrated class conducted (Topic name, moderator & Presenters).

	TOPIC	PRESENTER	MORDERATOR
1	Microcytic Hypochromic Anaemia	Dr. Bikashita Mahanta	Dr. A.K.Nath
2	Clinical features and management of diarrhea in children	Dr. Sujay G. Patil	Dr. M.N.Baruah
3	Diabetes Mellitus Type in Children	Dr. Sandeep Kr. Baranwal	Dr. A.K.Nath
4	Tuberculosis type Aetiopathogenesis ,Clinical feature and management with special reference to NTCP guidelines	Dr. Hadly P.Hldho	Dr.P.P.Panyang

- b. 2 yrs PG course/3yrs PG course seminars conducted (Topic Name, Moderator & Presenter)

	TOPIC	PRESENTER	MORDERATOR
1	Common Nomenclatures according to gestation and age in children (including classification and characteristics of term and preterm newborns).	Dr Sujoy Patil	Dr Murchana Khound
2	Thermoregulation in newborn, Management of neonatal hypothermia	Dr Hadley P. Eldoh	Dr Ankita Bihani
3	Essential Newborn Care(ENBC)	Dr Bikashita	Dr Subhamitra Laskar
4	Fluid and electrolyte management in newborn	Dr Sandeep	Dr Bidyut Saikia
5	Feeding in preterm low birth weight	Dr Shruti	Dr P Biswanath
6	Post resuscitation management of asphyxiated newborn	Dr Sujoy Patil	Dr Arpita Gogoi
7	Approach to management of neonatal jaundice	Dr Hadley P Eldoh	Dr M N Baruah
8	Approach to neonatal cholestasis	Dr Bikashita	Dr Ananta Nath
9	Approach to management of respiratory distress in newborn	Dr Sandeep	Dr Pankaj Panyang
10	Neonatal sepsis- causes, diagnosis, treatment and prevention.	Dr Shruti	Dr Murchana Khound
11	Approach to neonatal seizure- management	Dr Sujoy Patil	Dr Ankita Bihani
12	Neonatal hypoglycemia	Dr Hadley P Eldoh	Dr Subhamitra Laskar
13	Approach to Bleeding neonate	Dr Bikashita	Dr Bidyut Saikia
14	Common birth injuries	Dr Sandeep	Dr P Biswanath
15	Common congenital malformations	Dr Shruti	Dr Arpita Gogoi

16	Neonatal mortality- NMR, causes, prevention, programs for neonatal health.	Dr Sujoy Patil	Dr M N Baruah
17	Common Nomenclatures according to gestation and age in children (including classification and characteristics of term and preterm newborns).	Dr Sujoy Patil	Dr Murchana Khound
18	Thermoregulation in newborn, Management of neonatal hypothermia	Dr Hadley P Eldoh	Dr Ankita Bihani
19	Essential Newborn Care(ENBC)	Dr Bikashita	Dr Subhamitra Laskar
20	Fluid and electrolyte management in newborn	Dr Sandeep	Dr Bidyut Saikia
21	Persistent diarrhoea and Chronic diarrhoea –approach to management.	Dr Hadley.	Prof(Dr) P Biswanath
22	Pneumonia-etiopathogenesis, clinical features, complications and management.	Dr Bikashita	Dr. M N Baruah
23	Pleural effusion- pleural fluid dynamics, causes, clinical features and management of pleural effusion.	Dr Shruti	Dr Ananta Kumar Nath
24	Acute exacerbation of bronchial asthma and Management of persistent asthma.	Dr Sujay	Dr Pankaj P Panyang
25	Thalassemia syndromes- molecular basis, classification, clinical presentation, complications, management and approach to carrier screening.	Dr Sandeep	Dr. Ankita Bihani
26	Persistent diarrhoea and Chronic diarrhoea –approach to management.	Dr Hadley.	Prof(Dr) P Biswanath
27	Pneumonia-etiopathogenesis, clinical features, complications and management.	Dr Bikashita	Dr. M N Baruah
28	Pleural effusion- pleural fluid dynamics, causes, clinical features and management of pleural effusion.	Dr Shruti	Dr Ananta Kumar Nath
29	Acute exacerbation of bronchial asthma and Management of persistent asthma.	Dr Sujay	Dr Pankaj P Panyang
30	Thalassemia syndromes- molecular basis, classification, clinical presentation, complications, management and approach to carrier screening.	Dr Sandeep	Dr. Ankita Bihani

## 2. RESEARCH WORK DONE/ UNDERGOING:

	Name	Topic	Guide/Co-Guide
1	Dr. Bikashita Mahanta	Clinical profile and growth pattern of thalassemic children in a tertiary care hospital	Dr. P. Biswanath Co-Guide : Dr. A.K.Nath
2	Dr. Sandeep Kr. Baranwal	Correlation of clinical features and laboratory parameters with the outcome of acute encephalitis syndrome with special reference to Japanese encephalitis in children	Dr. P. Biswanath Co-Guide: Dr. Gitali Kakoti & Dr. Pankaj Pradeep Panyang
3	Dr. Sujay G. Patil	Elevated central-peripheral temperature difference in early detection of late-onset sepsis in preterm low birth weight newborns	Dr. Manab Narayan Baruah
4	Dr. Shruti Bora	Clinicoetiological profile of acute lower respiratory tract infection in children age 2 months to 5 years	Dr. P. Biswanath Co-Guide: Dr.Purnima Barua
5	Dr. Hadly P Eldho	The correlation of cord blood bilirubin and neonatal hyperbilirubinemia in the setting of ABO incompatibility	Dr. Manab Narayan Baruah Co-Guide: Dr. Pranabika Mahanta
6	Dr. Dorothy Gargo	Use of otoacoustic emission hearing assessment of neonates admitted in the NICU in the (Neonatal Intensive Care	Dr. Manab Narayan Baruah Co-Guide: Dr. Pankaj Pradeep Panyang



7	Dr. Aparajita Kashattray	Unit) of a tertiary care centre Immunization status of children in the age group of 12-23 months in tea tribe population in a block of Jorhat district, Assam	Dr. P. Biswanath Co-Guide: Dr. Bishu Ram Das
8	Dr. Sreelekshmi Uday	Prevalence of Protein Energy Malnutrition in 6 months to 5 years age group of tea tribe population , Jorhat, Assam	Dr. P. Biswanath Co-Guide: Dr. Amarjit Borgohain
9	Dr. Trishna Moral	Adverse events following blood exchange transfusion for neonatal hyperbilirubinemia in a tertiary care centre	Dr. Manab Narayan Baruah Co-Guide: Dr. A.K.Nath
10	Dr. Abhin S	Prevalence of anemia in children less than 5 year admitted with acute lower respiratory tract infection in a tertiary care hospital	Dr. P. Biswanath Co-Guide: Dr. Pankaj Pradeep Panyang
11	Dr. Kangkan Saharia	Clinical profile of polycythemia in small for gestational age neonates admitted to neonatal intensive care unit of a tertiary care hospital.	Dr. Manab Narayan Baruah Co-Guide: Dr. A.K.Nath

### 3. PROFESSIONAL SERVICE:

#### Indoor admissions.

##### a. Annual admissions :

Paediatrics Ward - 578 (w.e.f 1<sup>st</sup> Sept,2020 to 31<sup>st</sup> August,2021)

PICU - 1484  
**Total -2062**

NICU - 2862

**5. MACHINERY AND EQUIPMENTS :** List of important Machinery/ equipments purchased/ installed in the department during the aforesaid period:  
Equipments Status 2019-2020

SCNU

Sl. No.	Name of Equipment	Quantity
1	Radiant warmer	65 Nos.
2	Phototherapy	35 Nos.
3	Syringe pump	110 Nos.
4	Pulse oxi-meter	50 Nos.
5	CPAP	15 Nos.
6	Ventilator	11 Nos.
7	Laminar Flow	3 Nos.
8	Multipara monitor	5 Nos.
9	USG Machine	1 nos
10	X-Ray machine	1nos
11	Defibrillator	1 nos
12	Autoclav	3 nos
13	ABG Machine	1nos
14	UPS 60KVA	1 nos

15	Laryngoscope	16 nos
16	ECG	1 nos

## PICU

Sl. No.	Name	Quantity
1	Monitor	10 Nos.
2	ECG Machine	02 Nos
3	Suction Machine	02Nos.
4	Ventilator	09 Nos.
5	Syringe pump	46 Nos.
6	Laryngoscope	05 Nos.
7	Ultra Sound Machine	01 Nos.
8	X-Ray Machine	01 Nos.
9	Autoclav	02 Nos.
10	Defibillator	01nos
11	UPS 60KVA	01 nos
12	Pulse oxi-meter	05nos
13	Radiant warmer	01 nos

## 7. Any other relevant information of the department/office :

### Nutritional Rehabilitation Center (NRC)

Nutritional Rehabilitation Center (NRC) was operationalized on 26<sup>th</sup> of April 2015. It's a unique platform that provides comprehensive nutritional and medical support for the treatment of severe acute malnutrition (SAM) children detected in the community. All services including medicines, therapeutic diet and investigations are provided free of cost to the beneficiaries. Mothers/caregivers are also trained on how to make nutritious diet from lost cost and freely available food items during the hospital stay. Mothers/caregivers are also given wage compensation. The ASHA also gets incentive for successful completion of treatment.

#### Manpower positions in NRC

Nodal Officer: Dr. Pankaj Pradeep Panyang

Dietician: Mr. Bhaskarjit Gogoi

Total number of sisters: 4

Supporting staff: 1

Total admitted in NRC from Sep 2020 to Aug 2021-96 SAM children

Total Discharged from NRC w.e.f. Sep 2020 to Aug 2021-67 SAM children

Referred cases-10 Children

LAMA Cases-8 Children

Bed Occupancy Rate-35.50%

### District Early Intervention Center (DEIC)

DEIC was started in the department of Pediatrics, JMCH from March, 2015 under Rashtriya Bal Swasthya Karyakram (RBSK), JMCH being the only medical college of Assam to have such a center.

It is a multidisciplinary center under the same roof that offers a range of therapeutic services to children between 0-18 years of age covering 4 Ds. D- birth defects D- deficiencies D- diseases D- developmental delay and disabilities.

It provides services to patients of other districts like Majuli, Golaghat, Sivasagar, KarbiAnglong also.

At present the DEIC team comprises of Pediatrician, Medical Officer, Manager, Psychologist, Dental Surgeon, Speech Therapist, Optomatrist, Pharmacist and Staff Nurse.

The services are free of cost from investigations to treatment. At present the center is providing hearing aids free of cost to those children who are suffering from hearing impairment.

**Manpower positions in DEIC RBSK:-**

- Manager: 1 (Ms. Rumi Devi)
- Dental Surgeon: 1 (Dr. Mrigakhi Bordoloi)
- Staff Nurse: 1 ( Mrs. Pompi Gogoi)
- Psychologist: 1 ( Mrs. Amrita Kashyap)
- Speech Therapist: 1 ( Dr. Bimal Kumar Kalita)
- Pharmacist: 1 ( Mr. Mainul Haque Chaudhary)



## 6.17: ANNUAL REPORT – DEPARTMENT OF PULMONARY MEDICINE

### 1. ACADEMIC ACTIVITIES:

- No of horizontal integrated class conducted: 01
- 2 yrs. PG course/ 3yrs. PG course seminars' conducted:01
- CME conducted if any : 01WEBINAR ORGANIZED ON MANAGEMENT OF COVID-19 INFECTION.

### 2. RESEARCH :

Name of the Project: “Generating Awareness and Assessing the Magnitudes of Paragonimiasis in Nagaland, Assam, Arunachal Pradesh and Mizoram”.

Principal investigator of the research project: **Dr. Mihir Kumar Goswami. (Prof. &HOD, Dept. of Pulmonary Medicine, JMCH)**

Mentor and funding agency: **Department of Biotechnology (Govt. of India)**

#### **Approved Objectives of the Project:**

- To create awareness on Paragonimiasis in Nagaland, Assam, Arunachal Pradesh and Mizoram.
- Provide training to health workers and educate them on the confounding similarity between tuberculosis and Paragonimiasis.
- Conduct survey of Paragonimiasis to define the magnitude of the disease and identify the prevalent areas.

### 3. PROFESSIONAL SERVICE:

Patient attendance:-

#### 1. Indoor

No. of Admit	No. of Discharged	No. of Death
518	368	46

#### 2. Outdoor

New Cases	Old Cases	Total
2467	588	3055

#### 3. Laboratory Diagnosis (Designated Microscopic Centre)

Diagnosis	Positive	Follow up	Positive
671	81	683	21

- Fellowship:** Prof. Mihir Kumar Goswami felicitated by **AxomXahityaXabha** (History Section) at its Annual Meeting held at Xualkuchi on 06/02/2020 for his contribution in evaluation and development of history of Medical Science in Assam.

### 6. VISITING SCIENTIST/FACULTY:

Name:Nil

Institutional affiliation:Nil

City/country of person visiting:Nil

### 7. OTHER RELEVANT INFORMATION : **Dr. Mihir Kumar Goswami :**

- Resource person for CME on “Problem of TB in India and recent advances in diagnosis & treatment of TB held at DOCTOR’S Club (Golaghat) on 25/02/2021 at 7.00P.M.
- Resource person for district level training for Medical Officers of DHEMAJI District on 03/02/2021 at 10.00 A.M.
- Guest of Honour at Annual General Meeting of CPWA-NER Centre held at C.S.I.R. auditorium on 06/02/2021 and delivered a lecture on recent trends in respiratory infections including COVID-19.



## 6.18: ANNUAL REPORT – DEPARTMENT OF SURGERY

### LIST OF FACULTIES:

Dr. Atul Ch. Baro, Professor & HOD  
Dr. Narendra Nath Ganguly, Assoc. Professor  
Dr. Ranjib Rongpi, Assoc. Professor  
Dr. Hemendra Ch. Nath, Assoc. Professor  
Dr. Bijit Gogoi, Assoc. Professor  
Dr. Sadagar Deuri, Asstt. Professor  
Dr. Nilutpal Bhattacharjee, Asstt. Professor  
Dr. Anadi S. Tassa, Asstt. Professor  
Dr. Nayanjyoti Das, Asstt. Professor  
Dr. Manab Jyoti Gohain, Asstt. Professor  
Dr. Aftab Ali Ahmed, Asstt. Professor  
Dr. Anupam Paul, Asstt. Professor  
Dr. Dhrubajit Gogoi, Registrar  
Dr. Arup Deka, Registrar  
Dr. Aswini A. Chetia, Registrar  
Dr. Sufil Gogoi, Registrar  
Dr. Saukarjya M. Das, Registrar  
Dr. Bedanta Pathak, Registrar  
Dr. Ripunjay Hazarika, Post. P.G Specialist  
Dr. Homagni Bora, Post. P.G Specialist  
Dr. Balram Murari, Post. P.G Specialist  
Dr. Lakhyajit Pait, Post. P.G Specialist  
Dr. Gautam Das, Post. P.G Specialist  
Dr. Biswajit Sarma, Post. P.G Specialist

### 1. ACADEMIC ACTIVITIES :

a) Nos. of UG seminars conducted (Topic name & Moderator):

15 Nos.

	Topic name	Moderator
1	Case presentation on Breast Carcinoma	Dr. N. N. Ganguly
2	Seminar on Colorectal Carcinoma	Dr. Hussain Ahmed
3	Seminar on Acute Appendicitis	Dr. R. Rongpi
4	Case Presentation on Hernia	Dr. A.C. Baro
5	Seminar on Thyroid Swelling	Dr. N. N. Ganguly
6	Seminar on Varicose vein	Dr. S. Deuri
7	Peripheral occlusive arterial disease	Dr. N. N. Ganguly
8	Case presentation on Carcinoma Caecum	Dr. M. J. Gohain
9	Case presentation on Acute on Chronic Cholecystitis	Dr. A. S. Tasa
10	Seminar on Burns	Dr. N. N. Ganguly
11	Seminar on Benign Prostatic Hyperplasia	Dr. B. Gogoi
12	Seminar on Trauma	Dr. D. Borgohain
13	Seminar on Pseudo cyst of Pancreas	Dr. A.C. Baro
14	Seminar on Hydrocele	Dr. S. Deuri

- b) Nos. of horizontal integrated class conducted : 2 Nos.
- i. 2.7.21- Dr Aswini R- acute pancreatitis
  - ii. 24.8.21- Dr Pritam Bora- Acute abdomen, an approach to diagnosis and management

- c) (i) 2 Years PG course/3yrs. PG course **Seminars** conducted : 25 Nos.

Name of Presenters	Subject	Moderator
Dr. Longkiri Timung	Anatomy of Rectum & Anal Canal including Anal Sphincter Complex	Dr. H. Ahmed
Dr. Yashwant Choudhury	Anatomy of Salivary Gland	Dr. R. Rongpi
Dr. Pallav Chawlu	Anatomy of Breast & Axilla	Dr. B. Gogoi
Dr. Momin Sheikh	Vascular Supply on Upper & Lower limb	Dr. N.N. Ganguly
Dr. Aswini R.	History of Surgery	Dr. H. Ahmed
Dr. Imad Ahmed Choudhury	Metabolic response to injury	Dr. R. Rongpi
Dr. Rituparna Bhowmick	Wound Healing	Dr. S. Deuri
Dr. Rahul Saikia	Management of Burns	Dr. N.N. Ganguly
Dr. Bharat Sarmah	Tumour Biology and Tumour Bio-markers	Dr. H. Ahmed
Dr. Anoop R	Thyroid Swelling (Case Presentation)	Dr. A.C. Baro
Dr. Kunal Goswami	Blunt Trauma abdomen	Dr. M.J. Gohain
Dr. Ganesan G	Perioperative Management	Dr. A.S. Tassa
Dr. Pritom Bora	Surgical site infection and Choice of antibiotics	Dr. S. Deuri
Dr. Bimal Mazumdar	Mass in right iliac fossa (Case Presentation)	Dr. N.N. Ganguly
Dr. Longkiri Timung	Blunt trauma Chest	Dr. M.J. Gohain
Dr. Darothy Das	Anatomy & Physiology of Parotid Glands	Dr. A.S. Tassa
Dr. Bimal Mazumdar	Recent Advances in Abdominal wall reconstruction	Dr. H.C. Nath
Dr. Rahul Saikia	Anatomy & Physiology of Thyroid & Parathyroid Gland	Dr. B. Gogoi
Dr. Bharat Sarmah	Abdominal tuberculosis and surgeon	Dr. B. Gogoi
Dr. Ganesan G	Colonic Neoplasia- Clinical Presentation & Management	Dr. A.C. Baro
Dr. Momin Sheikh	Surgical anatomy of cervical lymph nodes	Dr. R. Rongpi
Dr. Kunal Goswami	Anatomy & Physiology of the Breast	Dr. R. Rongpi
Dr. Rituparna Bhowmick	Renal cell carcinoma, Recent	Dr. A.C. Baro

	management protocol	
Dr. Anoop R.	Surgical audit and ethics	Dr. A.C. Baro
Dr. Imad Ahmed Choudhury	Upper GI Endoscopy	Dr. R. Rongpi

(ii) 2 Years PG course/3yrs. PG course **Journal Club** conducted : 7 Nos.

Sl/ No.	Topic name		Presenters
1.	Dr. Bharat Sarmah	Prophylactic Biological Mesh Reinforcement versus standard closure stoma site ( ROCSS) a multicentre, randomised controlled trial.	Dr. B. Gogoi
2.	Dr. Benedict Terang	Sentinel lymph node biopsy after neo adjuvant chemotherapy in patients in node positive breast cancer. Guiding a more selective axillary approach	Dr. S. Deuri
3.	Dr. Bimal Mazumdar	The Biology of Anaestomotic Healing – the unknown over whelms the known	Dr. N. Bora
4.	Dr. Darothy Das	A prospective s observational study to assess the relationship between size of solitary thyroid nodule and incidents of malignancy.	Dr. M.J. Gohain
5.	Dr. Momin Sheikh	Predictive factors in anaestomotic leak (Intestinal and colonic) a multicentric analysis.	Dr. A.C. Baro
6.	Dr. Debanarayan Doley	Surgical trends in the management of acute Cholecystitis during pregnancy.	Dr. Nayan Jyoti Das
7.	Dr. Pritom Bora	Mini Laparoscopy for inguinal hernia repair	Dr. A.C. Baro

d) CME conducted if any :

Date	Topic name	Speakers name	Designation
25/03/21	Endoscopy & acute GI Bleeding	Dr. Debabrata Dutta	Associate Professor of Surgery, Diphu Medical College

## 2. RESEARCH WORK DONE/UNDERGOING :

- Dr. Momin Sheikh**, PGT, Dept of surgery: TOPIC :: “A CLINICAL PROFILE OF SPLENIC TRAUMA FOLLOWING ALLEGED HISTORY OF ROAD TRAFFIC ACCIDENT IN A TERTIARY CARE HOSPITAL”. **Guide:** Dr. Atul Ch. Baro, Prof. of Surgery, JMCH.
- Dr. Shubham Dubey**, PGT, Dept of Surgery: TOPIC:: “A PROSPECTIVE CLINICAL STUDY OF EXTRADURAL HAEMATOMA IN TERTIARY CARE HOSPITAL”. **Guide:** Dr. Ranjib Rongpi, Asso. Prof. of Surgery, JMCH **Co-Guide:** Dr. Amrit Kumar Saikia, Asstt. Prof. of Neuro-Surgery, JMCH.
- Dr. Longkiri Timung**, PGT, Dept of Surgery: TOPIC:: “A CLINICAL STUDY WITH SPECIAL REFERENCE TO WBC COUNT, CRP, ULTRASONOGRAPHY AND ALVARADO’S SCORE IN THE DIAGNOSIS OF ACUTE APPENDICITIS”. **Guide:** Dr. Bijit Gogoi, Asso. Prof. of Surgery, JMCH.
- Dr. Yashwant Kumar Choudhary**, PGT, Dept of Surgery: TOPIC:: “EFFICACY OF P POSSUM SCORING SYSTEM IN PREDICTING MORBIDITY AND MORTALITY IN PATIENTS OF ACUTE

ABDOMEN UNDERGOING EMERGENCY EXPLORATORY LAPAROTOMY IN A TERTIARY CARE HOSPITAL”. **Guide:** Dr. Hemendra Ch. Nath, Asso. Prof. of Surgery, JMCH.

- v) **Dr. Kunal Goswami**, PGT, Dept of Surgery: TOPIC:: “COMPARISON BETWEEN ENHANCED RECOVERY AFTER SURGERY (ERAS) PATHWAY AND CONVENTIONAL POSTOPERATIVE CARE IN LAPAROSCOPIC CHOLECYSTECTOMY: A PROSPECTIVE DOUBLE BLIND RANDOMIZED STUDY ” Dr. N.N.Ganguly, Asso. Prof. of Surgery, **Co-Guide:** Dr. Manab Jyoti Gohain, Asstt. Prof. of Surgery & Dr. Trishna Dutta Asstt. Prof. of Physiology, JMCH.
- vi) **Dr. Debanarayan Doley**, PGT, Dept of Surgery: TOPIC:: “A PROSPECTIVE STUDY OF CLINICAL PRESENTATIONS AND MANAGEMENT OF NON-TRAUMATIC ACUTE ABDOMEN”. **Guide:** Dr. Hemendra Ch. Nath, Asso. Prof. of Surgery,
- vii) **Dr. Ashwini R.**, PGT, Dept of Surgery: TOPIC:: “EVALUATION OF DIAGNOSTIC PARAMETERS OF APPENDICULAR MASS IN ACUTE APPENDICITIS – A PROSPECTIVE OBSERVATIONAL STUDY” **Guide:** Dr. Ranjib Rongpi, Asso. Prof. of Surgery, **Co-Guide:** Dr. N. Bhattacharjee, Asstt. Prof. of Surgery & Dr. Rupak Bhuyan, Asso. Prof. of Radiology.
- viii) **Dr. Pallav Chowlu**, Dept of Surgery: TOPIC:: “A PROSPECTIVE STUDY ON VARIOUS DAY CARE SURGICAL PROCEDURES UNDERTAKEN AND THEIR OUTCOME AT A TERTIARY CARE HOSPITAL”. **Guide:** Dr. N.N.Ganguly, Asso. Prof. of Surgery, **Co-Guide:** Dr. Manab Jyoti Gohain, Asstt. Prof. of Surgery
- ix) **Dr. Rahul Saikia**, PGT, Dept of Surgery: TOPIC:: “a CLINICAL STUDY OF DIFFERENT SCROTAL SWELLINGS IN ADULTS AND THEIR MANAGEMENT IN A TERTIARY CARE HOSPITAL.” **Guide:** Dr. Atul Ch. Baro, Prof. of Surgery, JMCH.
- x) **Dr. Darothy Das**, PGT, Dept of Surgery: TOPIC:: “CLINICAL PROFILE OF BENIGN BREAST DISEASES AND MANAGEMENT – A HOSPITAL BASED STUDY” **Guide:** Dr. Atul Ch. Baro, Prof. of Surgery, JMCH.

### 3. PROFESSIONAL SERVICE:

Details of Service	Period W.e.f. September, 2020 to August, 2021
No. of OPD cases	14,586
No. of IPD cases	3,221
Major Operations	852
Minor Operations	1,475
Histopathological Examination	-
Post mortem Examination	-
Adverse drug identification	-

### 4. FELLOWSHIP IN OVERSEAS/INLAND TRAINING OF TEACHERS : rBCW training of NMC

- Dr. Bijit Gogoi** , Assoc. Prof. of Surgery
- Dr. Anadi S. Tasa**, Asstt. Prof. of Surgery
- Dr. Saukarjya M. Das**, Registrar of Surgery

### 5. LIST OF IMPORTANT MACHINERY/EQUIPMENT PURCHASED/INSTALLED:

Sl. No.	Name of machinery/equipment	Date of installation
1	OT Table with standard Attachment along with General Surgery/ENT attachment. Make: Galaxy India Model No. ASPIRA SL	05/01/2021
2	C-Arm X-Ray machine with image intensifier X-Ray;	12/07/2021



	Make: Allenger Model No. : Allenger HF59R	
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## 6. OTHER RELEVANT INFORMATION:

PG Competition Paper Organised by Association of Surgeon Assam –Date 14<sup>th</sup> July, 2021, Time 6:30 pm  
Venue – ONLINE (ZOOM)

- i) “A Prospective Study Evaluating Utility of Mannheim Peritonitis Index in Predicting Outcome of Perforation Peritonitis” Presenter:: Dr. Ganesan G.
- ii) “Demographic Profiling of Patients with Acute Pancreatitis Presenting in Department of Surgery, Jorhat Medical College & Hospital, A Clinical Study”, Presenter:: Dr. Richard Barla
- iii) “A Comparative Study of Descerda’s Technique with Lichtenstein Repair in treatment of Inguinal Hernia” Presenter:: Dr. Pritom Bora
- iv) “A Study on Post Operative Outcome by different surgical Procedure in Fistula in ano”. Presenter:: Dr. Bimal Mazumdar
- v) “Neutrophil-lymphocyte Ratio as a Predictor for Sepsis in 10 to 40% TBSA Burn Injury”. Presenter:: Dr. Bharat Sarmah
- vi) “A Comparative Study between Conventional Laparoscopic Cholecystectomy & Mini Clipless laparoscopic Cholecystectomy”. Presenter:: Dr. Arijit Rumu Baruah
- vii) Clinico Microbiological profile of Diabetic Ulcer: A Hospital based study”. Presenter:: Dr. Rituparna Bhowmik
- viii) “Prospective study of PANC 3 Score in assessing of the Severity of Acute Pancreatitis on Admission.” Presenter:: Dr. Imad Ahmed Choudhury
- ix) “Evaluation of Prognosis and Outcome of Small bowl Obstruction Using the AGESSS-SBO Score”. Presenter:: Dr. Benedict Terang
- x) “Incidence of surgical site Infection in Abdominal Surgery in JMCH”. Presenter:: Dr. Anoop R.



## 6.19: ANNUAL REPORT – DEPARTMENT OF ANAESTHESIOLOGY

### LIST OF FACULTIES:

Dr.Rajib Hazarika, Professor & HOD  
Dr. Bipul Deka, Associate Professor  
Dr. Pollov Borah, Associate Professor  
Dr. Kannauj Swargiri, Associate Professor  
Dr. Vikramjit Baruah, Assistant Professor  
Dr. Barnita Basumatary, Assistant Professor  
Dr.Yuwaraj Mazumdar, Registrar  
Dr.Sandeep Dey, Registrar  
Dr.Jitu Deka, Registrar  
Dr.Abhijit Saikia, Post-PG DOD/SR  
Dr.Manoj Pegu, Post-PG DOD/SR  
Dr.Shahbaz Bin Sabir, Post-PG DOD/SR

### (1) ACADEMIC ACTIVITIES:

#### A) P.G. Seminars:

- i. Anaesthesia Machine Mechanics – (M) Dr. R. Hazarika, (P) Dr. Priti Rekha Borah
- ii. Lung Volumes & capacities (Measurements of lung volumes & Pulmonary function test) – (M) Dr. Bipul Deka, (P) Dr. Dhanjit Das
- iii. Mechanics of breathing – (M) Dr. Pollov Bora, (P) Dr. Kaveri Patel
- iv. The lung zones – (M) Dr. Kannauj Swargiri, (P) Dr. Syda Farhin Naheed
- v. BLS, ALS – Adults with special reference to Paediatrics, Neonatal Resuscitations – (M) Dr. Vikramjit Baruah, (P) Dr. Diptendu Mondal
- vi. Breathing systems/circuits including the co-axial systems & special circuits – (M) Dr. Barnita Basumatary, (P) Dr. Manoj Yadav
- vii. Vaporizers – (M) Dr. Bipul Deka, (P) Dr. Gunjan Saha
- viii. Monitoring in Anaesthesiology with concepts of minimum monitoring - (M) Dr. Pollov Bora, (P) Dr. Jugabrat Mishra
- ix. Assessment & Management of hypertensive patient coming for surgery with reference to intraoperative hypertensive crisis – (M) Dr. Kannauj Swargiri, (P) Dr. Anannya Gogoi
- x. Anaesthetic consideration of a febrile patient – (M) Dr. R. Hazarika, (P) Dr. Hilan Chakrabarty
- xi. Evaluation & perioperative management of a patient with dyspnoea – Dr. Barnita Basumatary, (P) Dr. Satish Kumar
- xii. Anaesthesiologists' approach to a paediatric patient – (M) Dr. Bipul Deka, (P) Dr. Krisha rani Bordoloi
- xiii. Emergency anaesthesia in an unprepared patient – (M) Dr. Barnita Basumatary, (P) Dr. Sangita Yadav
- xiv. Geriatric patient – Perioperative considerations, from an anaesthesiologists point of view – (M) Dr. Vikramjit Baruah, (P) Dr. Lona Sonowal
- xv. Hypotensive Anaesthesia – (M) Dr. Kannauj Swargiri, (P) Dr. Subhadeep Sarkar
- xvi. Anaesthetic management of a Myasthenia gravis patient – (M) Dr. Pollov Bora, (P) Dr. Jyotsna Dutta
- xvii. Anaesthetic management of Laparoscopic Cholecystectomy, (M) Dr. R. Hazarika, (P) Dr. Sangita.

### (2) SCIENTIFIC PUBLICATION:

1. Dr. Pollov Borah – “Knowledge of hand cleanliness among medical students and nurses, at a tertiary healthcare centre: a cross sectional study” – Open Journal of Psychiatry & Allied Sciences, advanced Online Publication ahead of Print, 2020 Sept 7<sup>th</sup>.
2. "Assessment of clinical interpreter of death, on life threatening infective cases admitted in the Intensive Care Unit of a north eastern state of India". Cureus 13(3): 13915. DOI

- 10.7759/cureus.13915. Pollov Borah, Dilip K. Saloi, Amarendra Deka, Rajib Hazarika Sr., Ranjumoni Konwar, Putul Mahanta Sr., Deepjyoti Kalita, Chiranjita Phukan Sr., Kahua Das
3. "Comparison of Ropivacaine alone and Ropivacaine with Clonidine in Brachial Plexus Block : A Randomised Controlled Study." Dr.Bipul Deka, Associate Professor & Dr.Vikramjit Baruah, Assistant Professor.
  4. "Demographic Characteristics and microbial profile of central line associated blood stream infection in the central intensive care unit". Dr.Sandeep Dey, Registrar.

**(3) PROFESSIONAL SERVICES AND OTHER INFORMATION:**

- A. Routine & Emergency Major/Minor O.T services for Surgery, Neurosurgery, Orthopedics & Trauma Surgery, Obstetrics and Gynecology, ENT, Ophthalmology.
- B. Pre-Anaesthetic Clinic
- C. Routine & Emergency Major/Minor O.T services besides ICU management for
  - i. Covid 19 positive patients.
- D. Critical Care: Dedicated anaesthesia team manages 96 beds in ICUs proficiently 24x7.
- E. Other services include:
  - ii. Anaesthesia & Critical care management during MRI, CT Scan.
  - iii. MAC during CATHLAB procedures.
  - iv. MAC during ECT procedures.
  - v. Round the clock resuscitative services in casualty, wards.
- F. COVID 19 management: Since the onset of the pandemic,has successfully managed & continuously managing the huge surge of COVID positive patients in ICU coming from the state of Assam & neighboring states.
- G. Total number of surgeries/anaesthesia service given to (non covid) in last year=6515
- H. Total numbers COVID positive surgical cases- 145
- I. Critical care (ICU) services to COVID positive patients - ( Since 1<sup>st</sup> September 2020)=792
- J. Number of dedicated ICU beds added in 2020-2021: 20 bedded state of the art ICU in collaboration with NRL.

**(4) List Machinery equipment installed / purchased during last one year ( September2020 to till date):**

- |                                  |  |
|----------------------------------|--|
| 1. Mek Ventilator                | 20 nos(Installed in Covid ICU, Supplied by NHM)                |
| 2. BIPAP/CPAP                    | 15 nos(Installed in COVID ICU, Supplied by NJD Traders)        |
| 3. DG400E(defibrillator)         | 1nos(Installed in General ICU)                                 |
| 4. Multipara monitor(mindrey)    | 50 nos. (installed in ICU, supplied by Vikash Medical Devices) |
| 5. HFNC                          | 6 nos(Supplied by Nocca Robotics pvt. Ltd)                     |
| 6. BIPAP(YAMIND)                 | 2nos(installed in Covid ICU, Donated by MP fund)               |
| 7. Oxygen concentrator           | 65 nos( installed in different Ward)                           |
| 8. ECG Machine                   | 1no(installed in covid icu, Supplied by alliance scientific)   |
| 9. Oxygen Concentrator, Phillips | 2nos.(Donated by NGO)  |
| 10. Video laryngoscope           | 1nos.  |

In ICU 2<sup>nd</sup> Floor(Sponcered by NRL)

- |                    |        |
|--------------------|--------|
| 1. Ventilator      | 20nos  |
| 2. HFNC            | 20 Nos |
| 3. Infusion Pump   | 30nos  |
| 4. Defibrillator   | 5nos.  |
| 5. Suction machine | 10nos  |

**For ICU**

- |                         |                                   |
|-------------------------|-----------------------------------|
| • Mechanical Ventilator | 112 Nos(Include Covid NHM Supply) |
| • BIPAP/CPAP            | 13 Nos                            |
| • Patient Monitor       | 25 Nos                            |

- Transport Ventilator 05 nos.
- Infusion Pump 25 nos
- ABG Machine 01 no
- Defibrillator 02 nos
- Nebulizer 15 nos
- ECG Machine 01 no

#### 4. OTHER RELEVANT INFORMATION

1. Dr. Barnita Basumatary, Assistant Professor had taken the orientation class for the new MBBS batch. Topic: Basic Life Support.
2. Besides classes pertaining to basic resuscitative management, emergency airway management are being taken on regular basis as per new MBBS curriculum.
3. Theoretical & Practical Hands on training on basic Critical Care management were taken in the month of May 2021 (spanning over 5 days) by Dr. Pollov Borah, Assoc. Professor & Dr. Sandeep Dey, Registrar for the residents (1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> yr) of other departments to make them ready for managing critical covid patients in ICU.
4. Details of Training of Master Trainers (from Civil Hospitals) for COVID ICU management:

Date	Name of Trainer(s)	Name of Civil Hospital whose doctors attended the training
25.04.2021	Dr. Vikramjit Baruah Dr. Sandeep Dey	Majuli District
27.5.2021	Dr. Pollov Borah, Dr. Sandeep Dey	Sivsagar Civil Hospital
02.06.2021	Dr. Barnita Basumatary, Dr. Sandeep Dey	Golaghat Civil Hospital
29.06.2021	Dr. Pollov Borah, Dr. Sandeep Dey	Sivsagar Civil Hospital

5. Dr. Bipul Deka, Assoc. Prof. Had taken the weekly Critical Care classes in ICU of ICU Staff Nurses & ICU technicians of JMCH, Jorhat.
6. World Anaesthesia Day was celebrated in the department on 16<sup>th</sup> October 2020.



## 6.20: ANNUAL REPORT – DEPARTMENT OF ORTHOPEDIC SURGERY

### LIST OF FACULTIES:

Dr. Pranjal Tahbilda, Professor & HOD  
Dr.Chao Rohek Buragohain, Associate Professor  
Dr. Kiran Sonowal, Assistant professor  
Dr. Nayan Moni Dutta, Assistant professor  
Dr.Kartikey Mishra, Assistant professor  
Dr.Sandeep Prasad, Registrar  
Dr.Aswin Deepak Rajan A.S, Senior Resident  
Dr.Patil Rakesh Yallappagouda, Senior Resident

### 1. ACADEMIC ACTIVITIES:

#### a. 2 years /3years PG course seminars conducted:

Sl No.	Topic	Presenters	Moderator
1	Knee Pain	Dr. Th. Pouziivei	Dr. P. Tahbilda
2	Bone Grafts& their applications	Dr Th Pouziivei	Dr K. Sonowal
3	Bone grafts & their applications Including CBG, Cortical Graft, Free grafts	Dr.T.H.Povziivei	Dr.Kiran Sonowal
4	Osteoporosis	Dr.Biswajit Saikia	Dr.C.R.Buragohain
5	CTEV	Dr.Sodagor Singha	Dr.Nayan Moni Dutta
6	High Tibial Osteotomy	Dr.Shabeer BS	Dr.P. Tahbilda
7	Distal Tibial Fractures	Dr.T.H.Povziivei	Dr.Swapna Pran Saikia
8	Osteoporosis	Dr.Biswajit Saikia	Dr.C.R.Buragohain
9	Rheumatoid Arthritis	Dr.Pranjit Kalita	Dr.Kiran Sonowal
10	Amputation	Dr.Sodagor Singha	Dr.Nayan Moni Dutta
11	Amputation-General Aspects	Dr.S.Singha	Dr.C.R.B
12	Arthrodesis- General Aspects	Dr.Shabeer B.S	Dr.K.Sonowal
13	Anatomy and Biomechanics of shoulders Joint	Dr.D.D.Karak	Dr.P.Tahbilda
14	Clinical Examination of Shoulder Joint	Dr.I.R.Sarkar	Dr.C.R.B
15	Investigations of Shoulder affections with special attention to Imaging	Dr.B.P.Gogoi	Dr.S.P.Saikia
16	Surgical Approaches to Shoulder Joint	Dr.T.H.Povziivei	Dr.K.Sonowal
17	Fractures around Shoulder	Dr.P.kalita	Dr.N.M.Dutta
18	Traumatic Dislocations including old Unreduced Dislocations	Dr.B.Saikia	Dr.K.Mishra
19	Recurrent and Habitual Dislocations	Dr.S.Singha	Dr.P.Tahbilda
20	Painful Conditions of Shoulder	Dr.Shabeer B.S	Dr.C.R.B
21	Shoulder Arthroscopy and Arthroplasty	Dr.T.H.Povziivei	Dr.S.P.Saikia
22	Injection Techniques, Shoulder Physiotherapy, Shoulder Spica	Dr.P.kalita	Dr.K.Sonowal
23	Anatomy and Biomechanics of Hip	Dr.Sikhar J.Bhuyan	Dr.Sandeep Prasad
24	Clinical Exam of Hip Joint	Dr.Pranjit Kalita	Dr.Pranjal Tahbilda
25	Investigations of Hip Lesions with special reference to imaging	Dr.Protul Kumbang	Dr.C.R.Buragohain
26	Dislocations of Hip	Dr.Biswajit Saikia	Dr.Swapna Pran Saikia
27	DDH	Dr.Shabeer B.S	Dr.Kiran Sonowal
28	Slipped Capital Femoral Epiphysis	Dr. Saiful Islam	Dr.Kartikey Mishra

	+Transient Synovitis +Snapping Hip		
29	AVN + Perthes Disease	Dr.Sodagor Singha	Dr.Nayan Moni Dutta
30	Brain, Cranial Nerves , ANS	Dr.Debdeep Karak	Dr.Sandeep Prasad
31	Spinal Cord, Spinal Nerves	Dr.T.H.Povziivei	Dr.Pranjal Tahbilda
32	Peripheral Nerves-Str. And Injuries	Dr.Imdadur R. Sarkar	Dr.C.R.Buragohain
33	Vertebral Column:Str. And Injuries	Dr.Bikash P.Gogoi	Dr.Swapna Pran Saikia
34	Spinal Cord Injuries + Quadri and Para Plegia	} Dr.Pranjit Kalita	Dr.Kiran Sonowal
35	Lesions of Intervertebral Disc		Dr.Nayan Moni Dutta
36	Spinal Cord Stenosis + Spondylolisthesis	Dr.Biswajit Saikia	Dr.Kartikey Mishra
37	Examination of the Back of upper limbs nerves	Dr.Sodagor Singha	Dr.Sandeep Prasad
38	Poliomyelitis	Dr.Saiful Islam	Dr.Pranjal Tahbilda
39	Brachial Plexus-Str.and Injuries	Dr.Sabeer B.S	Dr.C.R.Buragohain
40	Cerebral Palsy of Non Surgical Management of BTs	Dr.Debdeep Karak	Dr.Swapna Pran Saikia
41	Tetanus and Gas Gangrene	Dr.Protul Kumbang	Dr.Pranjal Tahbilda
42	Injuries and Entrapment of upper limbs nerves	Dr.T.H.Povziivei	Dr.Kiran Sonowal
43	Injuries and Entrapment of lower limbs nerves	Dr.Biswajit Saikia	Dr.Kartikey Mishra
44	Skeletal Tuberculosis general aspects	Dr.Imdaur Rahman Sarkar	Dr.Nayan Moni Dutta
45	Tuberculosis of Spine	Dr.Pranjit Kalita	Dr.C.R.Buragohain

**b. CME conducted:**

Sl No.	Topic	Speaker	Moderator
1	Neuropathic Pain in Orthopaedics Conditions	Dr.Pranjal Tahbilda	Dr.C.R.Buragohain

**c. Journal Club**

Sl No.	Topic	Moderator	Presented By
1	Delto- pectoral Approach Vs Deltoid Splitting approach	Dr.Md.Saiful Islam	Dr. Chao Rohek Buragohain.
2	Modified Boytchev Procedure for Recurrent Anterior Shoulder Dislocation	Dr.Imdadur Rahman Sarkar	Dr.Nayanmoni Dutta
3	Prospective, Blinded Randomized Controlled Trial of Stemless Vs Stemmed Components in Anatomic Total shoulder Arthroplasty	Dr.Sikhar Jyoti Bhuyan	Dr.Pranjal Tahbilda
4	Single and Dual Infusion Fasciomy of the Lower Leg	Dr. Th. Pouziivei	Dr.Kartikey Mishra
5	Analysis of Displaced Supracondylar Fracture Humerus in Children Treated with Reduction and Perutaneous Pinning	Dr,Bikash Pratim Gogoi	Dr.Sandeep Prasad

6	Spinal Tuberculosis - Current Concepts	Dr. Shabeer B.S	Dr.Kiran Sonowal
7	Tubercular's Arthritis of the Knee treated with two-stage total Knee Arthorplasty, A Case Report	Dr. Sodagar Singha	Dr.Swapna Pran Saikia
8	Surgical Treatment Outcomes of the Ilizatov and Internal Osteosynthesis method in post-Traumatic Pseudoarthrosis of the Tibia	Dr.Pranjit Kalita	Dr. Chao Rocheek Buragohain.

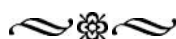
## 2. RESEARCH WORK (done/undergoing):

### Dr.P.Tahbildar, Professor

- Attended NEOSCON 2021 at Kaziranga, April 2021
- Chaired two sessions on Free Papers at NEOSCON 2021
- Elected Vice President NEROSA 2021-22
- Elected President-Elect, NEROSA for session 2022-23
- Supervised & attended **Bone Mineral Densitometry & Osteoarthritis Detection Camps** at Kasojan tea Estates and Bokaholla tea Estate in Jorhat District on 10th March and 7<sup>th</sup> April, 2021 respectively
- Attended **Health Relief Camps** at Kasojan Tea Estate & Bokaholla tea Estate.

## 3. PROFESSIONAL SERVICE OFFERED:

1st September, 2020 to 31st August, 2021	
Total Patient	OPD → 16498
Total Patient	IPD → 1334
Major Surgeries	826
Minor Surgeries	3673
Death	4
1st September, 2020 to 31st August, 2021	
Total Disability Camps	23
Total Patient Registered	870
Total Disability certificate Issued	647



## 6.21: ANNUAL REPORT – DEPARTMENT OF RADIOLOGY

### LIST OF FACULTIES:

Prof. (Dr.) Deep Kr. Roy, Professor & HOD  
Dr. Rupak Bhuyan, Associate Professor  
Dr. Aniruddha Basu, Associate Professor  
Dr. Mukheswar Pame, Assistant Professor  
Dr. Mohsina Islam Bora, Assistant Professor  
Dr. Lovely Gohain Sandhu, Registrar  
Dr. Samiran Dahotia, Registrar  
Dr. Anand Gupta, Registrar  
Dr. Ajoy Kr. Shukla, Registrar  
Dr. Kallol Das, Senior Resident  
Dr. Shruti Chubey

### 1. ACADEMIC ACTIVITY:

- No. of Undergraduate Seminar conducted: Nil
- No. of Horizontal Integrated Classes conducted: Nil
- Two years PG Diploma Course (Seminars Conducted): Nil
- 3(Three) Years PG Course (Seminars Conducted): Seminar - 49 Nos. and Journal – 70Nos.

### 2. RESEARCH WORK DONE/UNDERGOING IN THE DEPARTMENT:

- Accuracy of USG in evaluation of acute shoulder pain with MRI correlation, a prospective study in Jorhat Medical College. *By Dr. Hafizur Rahman, PGT*
- Accuracy and feasibility of CT guided diagnostic procedures in thoracic lesions and its associated complications. *Dr. Nayan Mani Sarma, PGT*
- Comparative study of the diagnostic accuracy of International Ovarian Tumour Analysis (IOTA) simple rules, ACR Ovarian-Adnexal Reporting and Data System (O-RADS) and ADNEX MR scoring system to discriminate between benign and malignant adnexal masses in a tertiary care hospital. *By Dr. Vivek Mathew James, PGT*
- Assessments of fetal cerebroplacental ratio in 3<sup>rd</sup> trimester pregnancies and its relation to adverse perinatal outcomes. *Dr. Grace Chinghoihkim, PGT*
- Role of MRI in the Diagnosis and Preoperative Classification of Perianal and Anal Fistulas. *By Dr. Snigdha Mandal, PGT*
- Role of MDCT and MRI in evaluation of spinal trauma and its classification for further management of the patients. *By Dr. Darpana Kalita, PGT*
- Role of B-Mode Ultrasonography and colour Doppler in the evaluation of portal hypertension with reference to Clinical correlates in patients with liver Cirrhosis. – *By Dr. Anukriti.*
- Role of B-Scan in evaluation of posterior segment lesions of eye with clinical correlates. – *By Dr. Washim Ahmed Ansari.*
- Evaluation of Temporal Bone Pathologies by 16 Slice Multidetector Computed Tomography, *By Dr. Antara Dutta.*

### 3. PROFESSIONAL SERVICE:

Year	X-ray	Ultrasound	CT Scan	MRI
2020-21 Sept.'20- Aug.'21	21,555	15,062	10,023	1,221
<b>Cases Done in COVID Ward</b>				
Year	X-ray	Ultrasound	CT Scan	MRI
2020-21 Sept.'20- Aug.'21	175	675	698	-



4. **List of Important Machinery and Equipment purchased/Installed in the department:** One 500 mA X-ray, one 300 mA X-ray, One FUJI CR
5. **Any other significant events/Awards/Honours:**
  - a. Jorhat medical College Reflection video meeting on Breast Imaging with Dr. Sangita Kalyan from Canada.
  - b. Dr. NayanmaniSarma, Dr. Vivek Mathew James 3<sup>rd</sup> year PGT won 1<sup>st</sup> Prize in Yuwa IRIA State Level Quiz Competition.
  - c. Dr Hafizur Rahman 3<sup>rd</sup> Year PGT, won 3<sup>rd</sup> Prize at Poster Presentation (All Assam).



## 6.23: ANNUAL REPORT – DEPARTMENT OF DENTISTRY

### 1. LIST OF FACULTIES:

- Dr Indrani Barman, MDS. Assistant Professor.
- Dr Bharadwaj Bordoloi, MDS. Registrar.
- Dr AntarikaGogoi, MDS. Registrar.

### 2. SCIENTIFIC PUBLICATIONS:

#### Dr Indrani Barman:

The study of lip prints in sex determination and personal identification, International journal of medical science and innovative research, 2019; 4(4): 102-108.

#### Dr. Bharadwaj Bordoloi:

- i. Evaluation and comparison of the efficacy of coconut oil as a clearing agent with xylene, Journal of oral and maxillofacial pathology, 2021 (Accepted in JOMFP).
- ii. A quantitative and qualitative comparative analysis of collagen fibres, to determine the role of connective tissue stroma in Oral Squamous Cell Carcinoma using special stains and polarized microscopy, Journal of oral and maxillofacial pathology, 2020; 24(2): 398-399.
- iii. Oral myiasis: an unusual case report, Journal of Dental Research and Review, 2019; 6:56-69.

#### Dr. AntarikaGogoi:

- i. De-mystifying asymptomatic carriers of sars-cov-2 and saliva as a new plethora for diagnosis. International Journal of Applied Dental Sciences, 2020; 6(2): 593-599.
- ii. Attitude towards covid 19 vaccine safety in the community and perceived intangible needs among health care workers in assam: a population based survey. World Journal of Pharmaceutical Research, 2020; 9(9): 1017-1026.
- iii. Human rights vs intellectual property rights: a conflict or peaceful co-existence, 2020; 3(1): 424-435.
- iv. General recommendations for dental practitioners during/after covid 19 pandemic, 2020; 3(2): 367-370.
- v. Head and neck surgery during the covid-19 pandemic, 2020; 3(3): 1-7

### 3. PROFESSIONAL SERVICE:

- Total OPD patients: 4870
- Total Extractions done: 995
- Total IMF/ Spinting done: 5
- Removal of cyst, epulis, tumor and oral biopsy: 12
- Simple Restorations: 16
- RCT: 14
- Scaling: 43
- Other works performed on department's effort: Fluoride application: 11
  - Removable partial denture: 2
  - Removable appliance: 1

### 4. FELLOWSHIP/ INLAND TRAINING:

**Dr. Bharadwaj Bordoloi:** MSc Clinical Research, Jamia Hamdard, New Delhi

**Dr. AntarikaGogoi:** Fellow of Royal Society of Public Health

### 5. MACHINERY/ EQUIPMENTS:

- Micromotor with straight handpiece and surgical burs
- Ultrasonic cleaner
- Endomotor
- Apex locator
- Pulp tester
- Amalgamator
- Runyes Dental X ray machine and Carestream RVG sensor

### 6. EVENTS/ AWARDS/ HONORS:

**Dr. Bharadwaj Bordoloi:** University topper in MDS, University topper & Gold medalist in MSc Clinical research

**Dr. AntarikaGogoi:** University topper in MDS



## 6.23: ANNUAL REPORT – DEPARTMENT OF NEUROSURGERY

The department of neurosurgery at JMCH started its humble beginning in June 2015. It was started with only one faculty member. With the untiring and selfless hard work of Prof. Dr Debajit Hazarika, Principal JMCH and Dr A K Saikia, Assistant Professor, Neurosurgery, the department progressed over time to become one of the centres of excellence in North East India. To establish a neurosurgical centre at JMCH was an uphill task, which was accomplished with great efforts. The department has established itself as one of the highest centres of Neurosurgery in the north eastern region of the country with its modern infrastructure and diversity in many fields of neurosurgery. It was started with a grant from the Government of Assam (rupees 11 crores) under National Health Mission. It is the vision of Dr A K Saikia, the founder of the department that led to the set up of a state of art infrastructure. DR S J Rabha joined him in the year 2018. The Department was inaugurated by Honourable minister of H&FW, DR H B Sarma on 4th of July, 2018. It has tremendously grown in stature from its humble beginnings to being a centre of Hope for Thousands of Patient In Upper Part of Assam and its Neighbouring states.

The clinical services have tremendously expanded over three years. During 2015, the department evaluated 236 admitted patients, attended to 160 patients in the OPD and performed 11 surgical procedures. Till 2018, the department treated around 1563 OPD patients, 6916 indoor patients and 2136 patients at Casualty. The department operates about 137 cases since inception.

The department specialises in many fields of neurosurgery that include neurovascular surgery, minimally invasive neurosurgery, spine surgery, stereotactic and functional neurosurgery, skull base surgery, paediatric neurosurgery, epilepsy surgery, peripheral nerve and brachial plexus surgery, neuro-trauma, neuro-oncology, and surgery for pain and spasticity.

In the true spirit of Gita, the sole concern of the founders of the department is the duty and not the reward. No sacrifice is great enough during the efforts made for the establishment of department. Posterity will judge whether they succeeded or not but no one can deny that they put forth their utmost efforts. Let us hope and pray that the department will continuously strive to live up to its tenets engraved in its foundation stone, "In the ultimate analysis, it is not the budget, nor the number of staff positions that makes a truly great centre of public service and higher learning. It is the presence of thoughtful, imaginative, humanistic, loyal and devoted faculty and students that is vital.



## 6.24: ANNUAL REPORT – DEPARTMENT OF PMR

### I.Academic activities:

1. Regular teaching of DPT (Diploma in Physiotherapy) students
2. Internship training provided to BPT pass outs to six students of Regional College of Paramedical Health Sciences Guwahati under SSUHS.
3. Ten weekly seminar of Diploma and interns students conducted .
4. .Multidisciplinary involvement of Physiotherapists specially in Covid ICU/WARD ,Neuro Surgery ICU and in Pain clinics under Anesthesiology Department.
5. Active participation in outdoor and indoor patients along with faculties.

### II. Scientific Publications published :

Trial on BOTOX in CP child a Case control study at International journal of Occupational and Physiotherapy (IJOPT)

### III.Research Work done/Undergoing :

Gait analysis in Hemiplegic patients (on going) Dr S.P.Saikia MS(Ortho) Asst. Prof PMR, Ankur Jyoti Bora(Physiotherapist)JMCH.

### IV.Details of Professional services offered:

Details of total patients flow at PMR Department in the year 2019-20 & 2020-21.

PMR OPD-

YEAR	Number of patients
2019(up to 31/12/2019)	5970
2020 (up to 31/12/2020)	2339
2021 till (31/09/2021)	1374

ICU/WARD-

Ward/ICU YEAR	Number of patients
2019(up to 31/12/2019)	1071
2020 (up to 31/12/2020)	927
2021 till( 30/09/2021)	777

Total Patients In the year 2019:- Seven Thousand Forty One (7041)

Total Patients In the year 2020:- Two Thousand Three Hundred Thirty Nine (2339)

Total patients in the year 2021(Sept):-One thousand three hundred seventy four (1374)

### V.Fellowship in Overseas/Inland Training of Teachers

Ankur Jyoti Bora(Physiotherapist)

1. Has successfully attended 12 Contact hours of Practical based online seminar NEURAXIS INTERCONNECT 2021 on “MANUAL THERAPY APPROACHES ON SHOULDER JOINT” conducted between 22nd- 29th September 2021 organized by Physio Help India..
2. Has successfully attended 9 Contact hours comprehensive hands on workshop on POST COVID REHABILITATION organized by HealthSpecifics Academy on 29th September at Tezpur Assam.

**VI.Machinery and Equipments** :List of important Machinery Equipments purchased and installed, in the department during last year.

SL.No.	Name of the Equipments	Quantity
1.	IFT Machine	4 nos.
2.	Ultrasound therapy	4 nos
3.	Traction Machine	1 no
4.	Traction Machine Bed	1no
5	Tens	3 nos
6	EMS machine	2 nos
7	Trade Mill	1no.

8.	SWD	1 no
9	Static Cycle	1 no
10	Paraffin wax bath	1 no
11	Nerve Muscle Stimulator	2nos.
12	Swiss/Physio Ball (55 cm, 65cm, 75cm, )	3 nos
13	Dumbles ( 1KG. ,2kg.)	2nos.
14	Theraband Color	2nos.
15	Weight Culf (1/2kg.,1kg. 2kg.)	2nos.
16.	Medicine Ball	2nos.
17	Laser Therapy	1no.
18	Cryo Therapy	1no.
19	Continous Passive Motion (upper limb)	1no.
20	Continous Passive Motion (lower limb)	1no

#### **VII.Any Other relevant Information.**

1. The department of PMR has been shifted to new OPD Block JMCH near the registration counter J.M.C.H. Two large rooms has been allotted to the department for OPD services and official works.
2. **World Physiotherapy Day 2021** was also celebrated in the department on 9th Sept,2021. The programme started with an awareness camp near the OPD entry for all the patients coming to JMCH. Patients were given free exercise ,advice during the camp. Almost 100 patients were screened during the camp.



## 6.25: ANNUAL REPORT: MULTIDISCIPLINARY RESEARCH UNIT (MRU)

**Team Leader:** Principal cum Chief Superintendent, JMCH, Jorhat

**Team members:** HOD, Dept. of Pathology, JMCH

HOD, Dept. of Microbiology, JMCH

HOD, Dept. of Pharmacology, JMCH

HOD, Dept. of Biochemistry, JMCH

Nodal Officer, MRU, JMCH

### 1. FUND RECEIVED:

Sl. No.	Year	Total Fund Received	Funding Agency
1	2017-2018	1,25,00,000.00	Department of Health Research, Ministry of Health & Family Welfare, Government of India
2	2018-2019	No fund received	
3	2019-2020	1,83,72,691.00	
4	2020-2021	No fund received	
5	2021-2022	7,00,000.00	

### 2. LIST OF IMPORTANT MACHINERY/ EQUIPMENTS/ PURCHASED / INSTALLED:

Sl. No.	Name of the equipment	Quantity purchased	Year of purchase and Installation
1	Refrigerator (394L)	1 No.	2018-19
2	Microwave oven	1 No.	2018-19
3	Water purification system	1 No.	2018-19
4	Micropipette (single channel)	1 No.	2018-19
5	Micropipette (multichannel)	1 No.	2018-19
6	-70°C/-80°C Freezer	1 No.	2018-19
7	Table top centrifuge (Non-refrigerated)	1 No.	2018-19
8	Table top centrifuge Refrigerated)	1 No.	2018-19
9.	Thermal Cycler	1 No.	2018-19
10	Gel documentation system	1 No.	2018-19
11	Digital Vortex mixer	1 No.	2018-19
12	Microfuge (refrigerated)	1 No.	2018-19
13	ELISA Reader	1 No.	2018-19
14.	ELISA Washer	1 No.	2018-19
15	Hematology analyzer	1 No.	2018-19
16	Binocular microscope	1 No.	2019-20
17	Autoclave	2 Nos.	2019-20
18	Spectrophotometer (Nanodrop)	1 No.	2019-20
19	pH meter	1 No.	2019-20
20	Reagent Refrigerator	1 No.	2019-20
21	Electrophoresis (vertical)	1 No.	2019-20
22	Electrophoresis (horizontal)	1 No.	2019-20
23	Ice-Flaking machine	1 No.	2019-20
24	Electronic Analytical Balance	2 Nos.	2020-21
25	Binocular Microscope	1 No.	2020-21

26	Single channel Micropipettes	4 sets	2020-21
27	Multichannel pipette	1 set	2020-21
28	Lab Freezer (-20C)	1 No.	2020-21
29	Class II Biosafety Cabinet Type A2	2 Nos.	2020-21
30	Refrigerated Centrifuge	2 Nos.	2020-21
31	Trinocular Upright Microscope	1 No.	2020-21
32	Real Time PCR	1 No.	2020-21
33	Microscope (Fluorescent)	1 No.	2020-21
34	Water Bath (boiling capacity) digital	1 No.	2020-21
35	Liquid Nitrogen Tank	1 No.	2020-21
36	Magnetic stirrer with hot plate	1 No.	2020-21
37	Tissue homogenizer	1 No.	2020-21
38	Ultrasonicator	1 No.	2020-21
39	Vortex shaker	1 No.	2020-21
40	Electrophoresis Unit (horizontal)	1 No.	2020-21
41	Spinner (for PCR tube and strips)	1 No.	2020-21
42	Spinner ( for 1.5 ml tube)	1 No.	2020-21
43	Gel Rocker	1 No.	2020-21
44	HPLC system	1 No.	2020-21
45	Multichannel pipette (electronic)	1 No.	2020-21
46	CO <sub>2</sub> incubator	1 No.	2020-21

### 3. RESEARCH WORK UNDERGOING:

Sl. No.	PGDISSERTATIONS/RESEARCH PROJECTS	YEAR	PG	FACULTY	DESIGNATION
<b>PG DISSERTATION</b>					
1	Study of Serum level of Vitamin D and TNF- in Newly diagnosed Type 2 Diabetes Mellitus.	w.e.f. 2020	Dr. Rahul Dubey	Dr. AnjuBarhaiTeli  Dr. Uttam Kr. Nath  Dr. Bharati Devi	Professor & HOD, Biochemistry  Assistant Professor, Medicine  Associate Professor, Biochemistry
<b>RESEARCH PROJECTS</b>					
1	Characterization of methicillin resistant staphylococcus aureus (MRSA) From Clinical sample.	w.e.f. 2021	NA	Dr. AnjuBarhaiTeli  Dr. Anadi Swami Tassa	Professor & HOD, Biochemistry  Assistant Professor, Surgery

				DrDweepjyotiBais hya	Assistant Professor, Microbiology
2	A prospective karyotype study in mentally retarded patients attending a tertiary care of North East India	w.e.f. 2021	NA	Dr. Santosh Kumar Sahu  Dr. Sudipta Paul  Dr. Dipjyoti Bora  Dr. Anjumoni Rabha	Demonstrator, Anatomy  Assistant Professor, Anatomy  Register, Psychiatry  Register, Psychiatry
3	Vit D and antioxidant enzyme in patients with Delitium Tremens-A case control study	w.e.f. 2021	NA	Dr. Kamala Deka  Dr. Anjumoni Rabha  Dr. Mainak Roy	Professor & HOD, Psychiatry  Register, Psychiatry  Associate Professor, Biochemistry
4	Study of serum vitamin D, inflammatory cytokines and the anthropometric measurements among newly diagnosed type 2 Diabetes Mellitus	w.e.f. 2020	NA	Dr. Meghna Borah  DrRajib Kr Borah  DrDebabani Bora	Demonstrator, Biochemistry  Assistant Professor, Medicine  Associate Professor, Anatomy
5	Study of hepato-protective cytokines amongst alcoholic adult patients with liver disease”	w.e.f. 2020	NA	Dr. Mainak Roy  DrNaruttamSonowal  DrKaberimech  DrRupakBhuyan  DrAnjuBarhaiTeli  DrAnuradhaHazari kaMedhi	Associate Professor, Biochemistry  Associate Professor, Medicine  Associate Professor, SPM  Associate Professor, Radiology  Professor & HOD, Biochemistry  Statistician , SPM



6	Study of serum Vit D and cytokine level (TNF- ) in newly diagnosed cases of diabetes mellitus with and without complications	w.e.f. 2020	NA	Dr.AnjuBarhaiTeli  Dr. Uttam Kr. Nath	Professor & HOD, Biochemistry  Assistant Professor, Medicine
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#### 4. PROFESSIONAL SERVICE:

##### A. Typing of heamoglobinopathy (Hb1Ac and HbA2F)

Month	Total No. of Test performed
September-2021	121

#### 5. SCIENTIFIC PUBLICATIONS:

- A. Dr. Gunajit Goswami, Research Scientist II, MRU, JMCH, Singh RomenNaorem, **Goswami Gunajit**, Gyorgy Schneider, FeketeCsaba (2021) Comparative analysis of prophages carried by human and animal associated Staphylococcus aureus strains spreading across the European regions. Scientific Reports <https://doi.org/10.1038/s41598-021-98432-8>
- B. Gunajit Goswami, Research Scientist II, MRU, JMCH; Pallab Sengupta Research Scientist I, MRU, JMCH; BarhaiAnjuTeli, Nodal Officer, MRU, JMCH  
Roy Mainak, Dubey Rahul, **Goswami Gunajit**, **Sengupta Pallab**, Mahanta Bipanchi, **Teli Barhai Anju**, “Levels of D-Dimer in Covid-19 patients admitted to a tertiary care hospital: A case control study. 2021







