



Maternal and perinatal Health Research collaboration, India (MaatHRI) is a UK-India collaboration for maternal and perinatal health research. It is a collaboration between University of Oxford (National Perinatal Epidemiology Unit, Nuffield Department of Population Health) and 14 government and private hospitals across four states in India.

MaatHRI work-stream updates

1. Survey of severe pregnancy complications

- We have been receiving monthly reports from collaborating hospitals since August 2018.

2. Heart failure in pregnant women

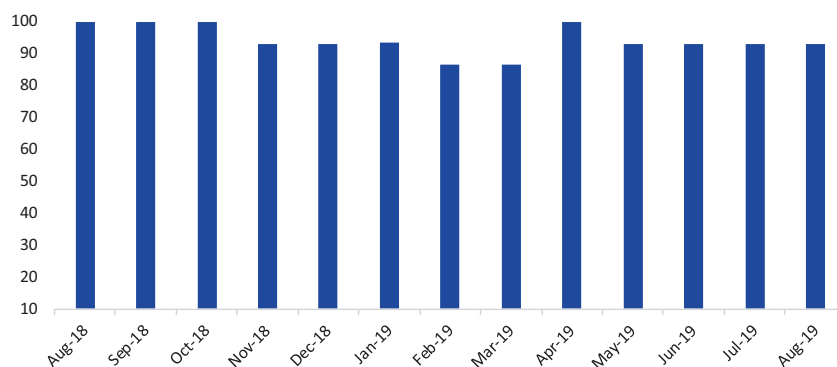
- Participating hospitals have been recruiting cases of heart failure (and controls) since February 2019.
- Till the end of August 2019, 77 cases and 154 controls have been recruited by the collaborating hospitals, which already makes this the largest study on heart failure in pregnant women in a low-and-middle income country setting.

3. Safety of induction and augmentation of labour in pregnant women with anaemia + nested coagulation study

- The nested coagulation study is complete and is under analysis.
- All participating hospitals will continue the induction and augmentation study.

Two district hospitals in Assam left the MaatHRI collaboration in May 2019. There are now a total of 14 participating hospitals.

% of collaborating hospitals with complete case reporting*



* Data excludes Silchar Medical College upto December 2018.

Training and capacity building

Refresher training on hand-held echocardiography through video conferencing

- Through a video conference with Guwahati Medical College and Hospital (GMCH) on 2nd September 2019, expert echocardiographers from Oxford shared feedback on the images and supervised hands-on practical sessions.
- We plan to conduct similar refresher and feedback sessions through video conferencing with other collaborating hospitals over the coming months.

Trained senior obstetrician (Dr Saswati Sanyal Choudhury) is now able to train junior clinicians. This cascading effect will help to expand the cohort of obstetricians trained in hand-held echocardiography in the collaborating hospitals in India.

Welcome

We welcome Professor Dipika Deka (MD, FICOG, FIMSA, FICMCH), Vice Chancellor Srimanta Sankaradeva University of Health Sciences, Guwahati, Assam as the Principal Investigator for 9 collaborating government hospitals in Assam.



Prof. Deka was previously Director of All India Institute of Medical Sciences (AIIMS) – Kalyani (West Bengal) and Chief of Maternal and Fetal Medicine Super-speciality at AIIMS. She has an extensive research and academic experience and will bring invaluable expertise to this international collaborative research platform.

At Srimanta Sankaradeva University of Health Sciences (SSUHS), Guwahati, Assam (July 2019)



From left to right: Dr Anku Moni Saikia (Registrar, SSUHS), Dr Saswati Sanyal Choudhury (Associate Professor Obs & Gynae, GMCH and MaatHRI collaborator), Prof. Dipika Deka (Vice Chancellor, SSUHS and MaatHRI PI for 9 hospitals in Assam), Dr Manisha Nair (Senior Epidemiologist, NPEU, NDPH, University of Oxford and CI MaatHRI), Ms Rupanjali Deka (Project Manager MaatHRI, SSUHS), Mr Sujit Bordhan (Deputy Registrar, SSUHS)

At the Institute of Medical Sciences (IMS), Banaras Hindu University (BHU), Varanasi, Uttar Pradesh (July 2019)



From left to right: Prof. Anjali Rani (Professor Obs & Gynae, IMS, BHU and MaatHRI PI BHU), Prof. Vikas Agarwal (Professor of Cardiology, IMS, BHU and MaatHRI expert Cardiologist, India), Dr Manisha Nair (Senior Epidemiologist, NPEU, NDPH, University of Oxford and CI MaatHRI).

MaatHRI project office at the Institute of Medical Sciences (IMS), Banaras Hindu University (BHU), Varanasi, Uttar Pradesh (July 2019)



From left to right: Ms Mamta Pal (Staff nurse Obs & Gynae, IMS, BHU), Dr Manisha Nair (Senior Epidemiologist, NPEU, NDPH, University of Oxford and CI MaatHRI), Prof. Anjali Rani (Professor Obs & Gynae, IMS, BHU and MaatHRI PI BHU), Mr. Ranjeet (MaatHRI staff, IMS, BHU)

DSMB recommendations

During the meeting in February 2019, MaatHRI DSMB had asked for an update on participant recruitment and a documented plan for securely storing and destroying the paper forms. These were submitted to the board in July 2019.

- The board was satisfied with the updates and the submitted plan, and has advised the MaatHRI team to closely monitor the participant recruitment rates.
- DSMB regretted the loss of two district hospitals, but were happy to know that a new hospital from Assam (details shared in May 2019 newsletter) had joined the collaboration.

MaatHRI Team

Dr Manisha Nair, University of Oxford (Chief Investigator (CI))	Dr. Isha Goel, F.A.A Medical College, Assam
Prof. Dipika Deka, Vice Chancellor Srimanta Sankaradeva University of Health Sciences, Guwahati, Assam	Prof. Hem Kanta Sarma, Jorhat Medical College and Hospital, Assam
Prof. (Major) Anjali Rani, Banaras Hindu University, Varanasi, Uttar Pradesh	Dr Pranabika Mahanta, Jorhat Medical College and Hospital, Assam
Prof. S Chhabra, Mahatma Gandhi Institute of Medical Sciences, Wardha, Maharashtra	Dr Gitanjali Deka, Tezpur Medical College and Hospital, Assam
Dr Pramod Kumar, Mahatma Gandhi Institute of Medical Sciences, Wardha, Maharashtra	Dr Usha Sarma, Tezpur Medical College and Hospital, Assam
Dr. Indrani Roy, Nazareth Hospital, Shillong, Meghalaya	Dr Pranoy Nath, Silchar Medical College and Hospital, Assam
Ms Rupanjali Deka, Project Manager, MaatHRI	Dr Mansur Ahmed, Silchar Medical College and Hospital, Assam
Dr. Saswati Sanyal Choudhury, Gauhati Medical College and Hospital, Assam	Dr Arup Kumar Choudhury, Dhubri Civil Hospital, Assam
Prof. Ratna Kanta Talukdar, Gauhati Medical College and Hospital, Assam	Dr Krishnam Bora, Nagaon Civil Hospital, Assam
Dr. Tina Nath, Gauhati Medical College and Hospital, Assam	Dr Madhav Rajbongshi, Mahendra Mohan Choudhury Hospital, Assam
Dr Farzana Zahir, Assam Medical College and Hospital, Assam	Dr Amrit Bora, Mahendra Mohan Choudhury Hospital, Assam
Prof. Robin Medhi, F.A.A Medical College, Assam	Dr Carolin Solomi V, Makunda Christian Leprosy and General Hospital, Assam
Dr. Swapna D Kakoty, F.A.A Medical College, Assam	Dr Vijay Anand Ismavel, Makunda Christian Leprosy and General Hospital, Assam
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Nuffield Department of POPULATION HEALTH

