



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 16 government and private hospitals across four states in India.

Addition to the MaatHRI collaboration

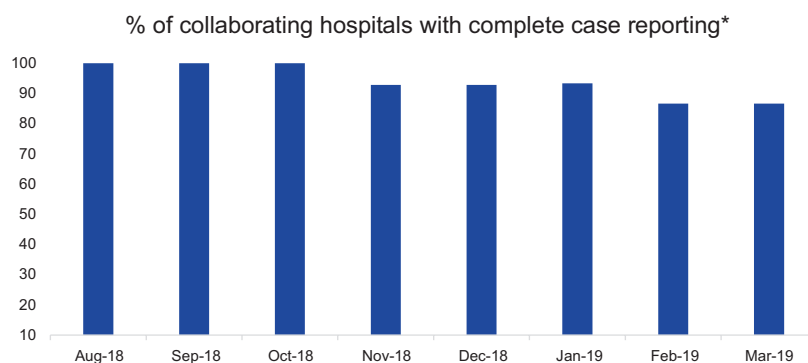
Mahendra Mohan Choudhury hospital (MMC), a satellite hospital of Gauhati Medical College, will join the MaatHRI collaboration from May 2019.

We welcome our new site collaborators, Dr Madhav Rajbongshi (Additional Superintendent, MMC) and Dr Amrit Bora (Senior Medical Officer, MMC).

MaatHRI work-stream updates

1. Survey of severe pregnancy complications

- We have been receiving monthly reports from collaborating hospitals since August 2018.
- The drop in percentage of complete reporting in the last quarter is mainly due to non reporting from two district hospitals in Assam.
- We thank Director Health Services, Assam for following up with the non-reporting hospitals.



* Data excludes Silchar Medical College upto December 2018.

2. Heart failure in pregnant women

- Six hospitals have been recruiting cases of heart failure (and controls) since February 2019
- Regional refresher practical trainings on hand-held echocardiography was conducted in March 2019

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

- Participant recruitment for the nested coagulation study is complete.
- All participating hospitals will continue the induction and augmentation study.

Training and capacity building

Regional hand-held echocardiography refresher practical trainings in March 2019

Refresher practical trainings were conducted at Assam Medical College and Gauhati Medical College, Assam (India) on 15th and 19th March, respectively. This was a follow-up to the workshop in November 2018 to improve the quality of echocardiography images. Obstetricians from collaborating hospitals in Assam and Meghalaya participated in the training. Studies suggest that repeated refresher trainings help to improve the quality of echocardiography images acquired by non-experts.

DSMB recommendations – 2nd meeting

Meeting date: 27th February 2019

Key recommendations –

- Project team and local supporters to encourage collaborating hospitals for timely completion of participant recruitment.
- Carefully analyse the data for the coagulation study as the results are intended to be used to justify a subsequent clinical trial.
- Use of paper forms – local systems of data security to be audited and documented.
- To achieve the targeted recruitment of heart failure cases, CI's proposal to apply for additional funds to extend the project was supported.

Thank you

Team at Dr Lal PathLabs (MaatHRI laboratory partner) for excellent management of the blood collection and shipment process for the challenging coagulation study. Samples were shipped from remote corners of India to their National Reference Laboratory at Delhi, maintaining appropriate quality and temperature through a well-coordinated and efficient process. **Well done team LPL!**

All MaatHRI research nurses for their hard work and dedication, working even in the most unfavourable circumstances.

Site-PIs in Assam who have kept the project going with personal commitment and dedicated support to the nurses.



MaatHRI research nurse at Gauhati Medical College and Hospital, Assam (Ms Dipti Talukdar)



MaatHRI research nurse at Tezpur Medical College and Hospital, Assam (Ms Khior Moni Devi)

We have consent from participants and research nurses to use the photographs for MaatHRI communication and dissemination materials.

Change in role



Professor U C Sarma, the Principal Investigator for Srimanta Sankaradeva University of Health Sciences which is coordinating 10 hospitals in Assam, retired from the University Vice Chancellor's role in February 2019. Professor Sarma played a crucial role in establishing the MaatHRI platform and will continue to support the collaboration as a member of the MaatHRI international advisory committee.

MaatHRI Team

Dr Manisha Nair, University of Oxford (Chief Investigator (CI))

Prof. U C Sarma, International advisor

Ms Rupanjali Deka, Project Manager, MaatHRI

Dr. Saswati Sanyal Choudhury, Gauhati Medical College and Hospital, Assam

Prof. Ratna Kanta Talukdar, Gauhati Medical College and Hospital, Assam

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Dr Usha Sarma, Tezpur Medical College and Hospital, Assam

Dr Pranoy Nath, Silchar Medical College and Hospital, Assam

Dr Mansur Ahmed, Silchar Medical College and Hospital, Assam

Dr Arup Kumar Choudhury, Dhubri Civil Hospital, Assam

Dr Krishnaram Bora, Nagaon Civil Hospital, Assam

Dr Mun Konwar, Lakhimpur District Hospital, Assam

Dr Manikuntala Choudhury, Goalpara Civil Hospital, Assam

Dr Madhav Rajbongshi, Mahendra Mohan Choudhury Hospital, Assam

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Dr Pramod Kumar, Mahatma Gandhi Institute of Medical Sciences, Wardha, Maharashtra

Prof. (Major) Anjali Rani, Banaras Hindu University, Varanasi, Uttar Pradesh

Funders:

Medical Research Council Fellowship for Manisha Nair

NDPH Pump-priming award

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