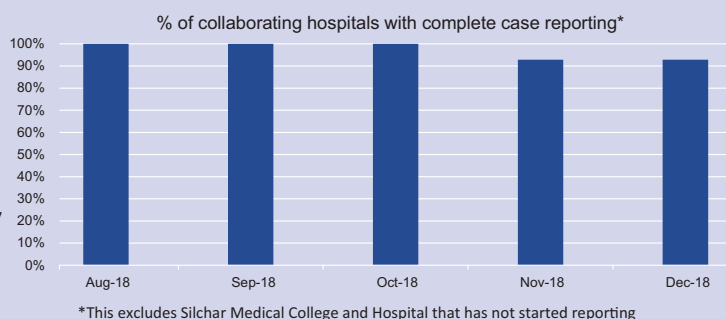




Maternal and perinatal Health Research collaboration, India (MaatHRI) is a UK-India collaboration for maternal and perinatal health research. It is a collaboration between University of Oxford (National Perinatal Epidemiology Unit, Nuffield Department of Population Health) and 15 government and private hospitals across four states in India.

MaatHRI work-stream updates

1. Survey of severe pregnancy complications
 - We have been receiving monthly reports from hospitals since August 2018
2. Heart failure in pregnant women
 - A training workshop on hand-held echocardiography was conducted (more details below)
 - We are planning to start recruiting participants for the heart failure study from February 2019
3. Safety of induction and augmentation of labour in pregnant women with anaemia + nested coagulation study
 - All participating hospitals have started the study and we have been making steady progress in recruiting participants with the aim of completing the nested coagulation study by March 2019.



Hand-held echocardiography workshop in Guwahati, Assam, India - Nov 2018



Training and capacity building

Hand-held echocardiography workshop in Guwahati, Assam, India

A workshop was conducted at Guwahati, Assam (India) on 20th and 21st November 2018 to train clinicians from collaborating hospitals on hand-held echocardiography. 22 clinicians (mainly obstetricians) from all collaborating hospitals in Assam, Uttar Pradesh and Meghalaya were trained (2 hospitals in Maharashtra are not participating in the heart failure study).

The training was conducted by cardiac physiologist and expert sonographers (Linda Arnold and Maryam Alsharqi) from the Cardiovascular Clinical Research Facility (CCRF), Radcliffe Department of Medicine, University of Oxford. It was a two day training: Day-1 mainly comprised of theoretical demonstrations and practice on volunteers and on Day-2 the clinicians received hands-on training in the antenatal clinics at Gauhati Medical College and Hospital (GMCH). Later, we had some time to relax and enjoy the collaborators' dinner.

A Philips Lumify hand-held echocardiography machine has been provided by the MaatHRI project to all study hospitals for research purposes.

We thank Dr Ratna Kanta Talukdar and Dr Saswati Sanyal Choudhury for arranging the sessions at GMCH.



Day-1 Hand-held echocardiography training at Guwahati - Nov 2018

Project plans for the quarter (February to April 2019)

1. Study completing participant recruitment
 - Nested study examining the coagulation parameters in pregnant women with and without anaemia (Work-stream 3)
2. Study starting participant recruitment
 - Heart failure in pregnant women (Work-stream 2)
3. Studies continuing data collection
 - Survey of severe pregnancy complications (Work-stream 1)
 - Induction and augmentation study (Work-stream 3)

Planning project sustainability

November 2018

Professor Colin Baigent and Dr Manisha Nair from the University of Oxford had a meeting with Professor U C Sarma, Vice Chancellor of Srimanta Sankaradeva University of Health Sciences, Assam to discuss next steps for the MaatHRI project and other potential research collaborations.



Meeting with Vice Chancellor of Srimanta Sankaradeva University of Health Sciences

Welcome

Ms Rupanjali Deka joined as MaatHRI Project Manager from 1st January 2019

Dr Vikas Agarwal (Banaras Hindu University, Varanasi) will be the expert cardiologist from India for the MaatHRI project

Dr Debojit Changmai (AMCH, Dibrugarh) will help with the heart failure study

Dr Bornali Pegu (JMCH, Jorhat) will help with the heart failure study

Dr Navamita Bora (Nazareth hospital, Shillong) will help with the heart failure study

Dr Mansur Ahmed (SMCH, Silchar) will help with the heart failure study



Day-2 Practical training using Philips Lumify at GMCH - Nov 2018

Thank you

Dr Abu Hasan Sarkar (Project Manager September – November 2018) left the project to join as faculty in a medical college at Arunachal Pradesh

Funders:

Medical Research Council Fellowship for Manisha Nair

NDPH Pump-priming award

Ultromics Ltd



Nuffield Department of
POPULATION HEALTH

MaatHRI Team

Dr Manisha Nair, University of Oxford (Chief Investigator)

Prof. U C Sarma, Vice Chancellor, Srimanta Sankaradeva University of Health Sciences

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

Dr Ratna Kanta Talukdar, Gauhati Medical College and Hospital, Assam

Dr Farzana Zahir, Assam Medical College and Hospital, Assam

Dr Robin Medhi, F.A.A Medical College, Assam

Dr. Swapna D Kakoty, F.A.A Medical College, Assam

Dr Hem Kanta Sarma, Jorhat Medical College and Hospital, Assam

Dr Pranabika Mahanta, Jorhat Medical College and Hospital, Assam

Dr Gitanjali Deka, Tezpur Medical College and Hospital, Assam

Dr Usha Sarma, Tezpur Medical College and Hospital, Assam

Dr Pranoy Nath, Silchar Medical College and Hospital, Assam

Dr Rajesh Das, 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 Carolin Solomi V, Makunda Christian Leprosy and General Hospital, Assam

Dr Vijay Anand Ismavel, Makunda Christian Leprosy and General Hospital, Assam

Dr Roshine Mary Koshy, Makunda Christian Leprosy and General Hospital, Assam

Dr. Indrani Roy, Nazareth Hospital, Shillong, Meghalaya

Dr. S Chhabra, Mahatma Gandhi Institute of Medical Sciences, Wardha, Maharashtra

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

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

Ms Rupanjali Deka, Project Manager, MaatHRI