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.

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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.

*This excludes Silchar Medical College and Hospital that has not started reporting*
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

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

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.

Funders:
Medical Research Council Fellowship for Manisha Nair
NDPH Pump-priming award
Ultromics Ltd

MaatHRI Team
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Prof. U C Sarma, Vice Chancellor, Srimanta Sankaradeva University of Health Sciences
Dr. Saswati Sanyal Choudhury, Gauhati Medical College and Hospital, Assam
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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. (Major) Anjali Rani, Banaras Hindu University, Varanasi, Uttar Pradesh
Ms Rupanjali Deka, Project Manager, MaatHRI

Meetings and Training:
Day-1 Hand-held echocardiography training at Guwahati - Nov 2018
Day-2 Practical training using Philips Lumify at GMCH - Nov 2018

MaatHRI Team
Dr Arup Kumar Choudhury, Dhubar Civil Hospital, Assam
Dr Krishnaram Bora, Nagaon Civil Hospital, Assam
Dr Mun Konwar, Lakhimpur District Hospital, Assam
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Nuffield Department of POPULATION HEALTH