

**International Training Workshop on Diagnosis, Treatment and Prevention
of the Major Disease in ASEAN countries**
(18.10.2019 to 1.11.2019)

1. General Objectives

- To introduce principles and technologies of in-vitro fertilization and embryo transfer
- To introduce principles and technologies of prenatal diagnosis and pre-implantation genetic diagnosis and screening
- To prevent the major disease , Thalassaemia by prenatal & preimplantation genetic diagnosis
- To improve the ultrasonographic practice in detection of fetal anomalies
- To introduce technologies of human embryonic stem cells and induced pluripotent stem cells (iPS)
- To establish the further cooperation of helping organizing IVF and prenatal

2. Course Supervisors

1. **Professor Dr.Nwe Mar Tun** ,Professor & Head , Department of Obstetrics and Gynaecology, University of Medicine (1),yangon.
2. **Professor Yuanhua Huang**, Professor of Gynaecology and Obstetrics Department of Affiliated Hospital of Hainan Medical College.

3. Speakers

1. Professor & Head (University of Medicine 1, Yangon)
2. Prof Dr. Khin Latt (University of Medicine 1, Yangon)
3. Dr.Mee Mee Thet, Associate Professor,UM 1
4. Dr. Hnin Thida Tun,Junior Consultant, CWH, Yangon
5. Dr. Wint Lay Naing, Junior Consultant, CWH, Yangon
6. Dr.Ya Gao (Beijing Genomics Institute)
7. Prof . Jie Wang (Hainan Provincial Neonatal Disease Screecing Center)
8. Prof. Tam (Chinese University of Hong Kong)
9. Prof. Yuanhua Huang (Hainan Medical University)
10. Prof. Yan Lin Ma (Hainan Medical University)
11. Prof. Qi Li (Hainan Medical University)
12. Dr. Ling Chi (Chinese University of Hong Kong)
13. Prof Dr.Yi Zhaung (Hainan Medical University)

4. Participant list

Dr. May Lwin Aung	Dr. Eaint Sandar Myo	Dr. Khine Zar Lin
Dr. Myo Thein	Dr. Phyo Thida Soe	Dr. Myint Myint Aye
Dr. Lei Yee Swe	Dr. Thein Thein Nwe	Dr. Yu Yu Mon
Dr. Ei Mon Mon Kyaw	Dr. Aye Sabal Phyo	Dr. Htet Htet Aung
Dr. Khin Su Su Thein	Dr. Hnin Hnin Yu	Dr. Nan Khin Saw Nyunt
Dr. Nwe Nwe Yu	Dr. Hnin Lei Soe	Dr. Ye Naing Oo
		Dr. Aung Naing Oo

5. SUMMARY OF THE WORKSHOP ACTIVITIES

This is the second time international training workshop in Diagnosis, Treatment and Prevention of the Major Diseases in ASEAN which was held at Central Women's Hospital, Yangon by the collaboration between the University of Medicine (1) Yangon, The University of Hong Kong and the Hainan Medical University of People's Republic of China. This workshop was held from 18th October up till 31st October, 2019. It was opened at 9:00am on 18th october. The opening speech were given by Professor Khin Pyone Kyi (Senior Medical Superintendent of the Central Women's Hospital, Yangon), Professor Nwe Mar Tun (Head of the Deaprtment of Obstetrics and Gynaecology, University of Medicine (1), Yangon), Professor Yuanhua Huang (Professor of Obstetrics and Gynaecology, Department of Affiliated Hospital of Hainan Medical College) and Mr. Su Zhe (First secretary of the Embassy of People' Republic of China). Distinguished guests were professors from CWH, Yangon, Emeritus professors of UM I, Vice presidents from Myanmar O&G society, Professor and Head of the UM II and Defense Service Medical Academy and Head of the departments of Radiology, Anaesthesia, Pathology and Neonatal Intensive Care Unit of Central Women's Hospital, Yangon.

Main issues addressed at the workshop were basic pathophysiology of hormones, controlled ovarian stimulation, early embryo development, principles and technologies of intrauterine insemination (IUI), invitro fertilization (IVF), normal and abnormal fertilization and embryo transfer. More over, current standards regarding design and setting up, quality control, equipments, common sense of operation and maintenance of reproductive center laboratories, principles and technologies of prenatal diagnosis, preimplantation genetic diagnosis and screening which could largely prevent the major tropical diseases in South East Asia such as Thalassaemia, application of stem cells in reproductive health which could help cure some diseases, video demonstration of intracytoplasmic sperm injection, demonstration of IUI, live demonstration of follicular tracking by ultrasound and live demonstration of semen preparation and analysis.

Closing ceremony was held on 31st October. Ms. Jia Zhuans, Deputy Director General of China Science and Technology Exchange Centre (CSTEC), Ministry of Science and Technology, P.R.China. Mr. His Lieu, Director of International Cooperation (CSTEC), Mr. Li, Vice President of The First Affiliated Hospital of Hainan Medical University. After giving closing speech by professors and the above distinguished guests from People's Republic of China, certificates were given to the participants, Memorial gifts were given to the guests and group photos were taken.

6. BENEFITS

The participants from various Universities could obtain experience and knowledge about advanced assisted reproductive technology and updated knowledge on genetics which are invaluable to them. They could broaden their horizon so that they could spread their knowledge to their peer back at the respective universities. They could also support, guide and treat the subfertile couples with the added sound knowledge getting from the workshop.

7. FUTURE PLAN

The younger generation of O&G doctors could have a chance to apply and get further training in Affiliated Hospital of Hainan Medical University through TYSP (Talented Young Scientists Programme). Having discussion with the representatives of CSTEC, it is foreseeable to have not only training but also establishment of advanced genetic research laboratory at the fertility center of CWH, Yangon.