



Ministry of Education (Shiksha Mantralaya)



ALIGARH MUSLIM UNIVERSITY



GLOBAL INITIATIVE OF ACADEMIC NETWORKS
(GIAN)

Critical Care in Obstetrics: Being Prepared is Half the Battle Won!

ONLINE MODE

Though maternal mortality has decreased considerably on a global basis from 1990s to 2010 there is gross inequity globally. Majority of these deaths are preventable but not predictable as 85% of complications in pregnancy occur suddenly, without warning but mothers can be saved if they receive effective treatment in time.

We need to focus on lack of access to appropriate, respectful and timely maternal care, by timely recognition of the critical patient and proper referral to tertiary care centers. Providing appropriate critical care needs teamwork and multi-disciplinary training in the early recognition of critical illness, training in critical care skills along with, infrastructure and equipment. The National Health Mission has sanctioned HDU-ICUs in all tertiary care hospitals with equipment and staff. The aim of this course is to train health care workers in obstetric critical care for proper utilization of these units.

Primary Objectives: The objective of the course is that by the end of the course the participants will be able to:

1. Explain physiologic changes during pregnancy and identify high-risk and critically ill women
2. Demonstrate optimum maternal CPR and airway management in the care of critically ill pregnant patients
3. Describe and demonstrate a systematic, evidence-based approach to the clinical assessment and management of maternal obstetric and medical conditions requiring critical care.
4. Sensitize and update the knowledge of health professionals involved in the care of the critically ill obstetric patient, from disciplines other than obstetrics
5. Develop International Collaborations for Research in our knowledge gaps.

Who should attend?

1. Faculty from Medical Colleges from the Departments of OBG, Anesthesia, General Medicine, Cardiology and Neonatology who work in collaboration to manage these patients.
2. Physicians of first contact -- General Practitioners, Medical Officers working at PHCs and CHCs, Ayush practitioners, paramedical staff
3. Anesthesia and Obstetrics and Gynecology Residents and undergraduate students
4. Researchers intrigued by the knowledge gaps related to critical care in obstetrics.

Know your Faculty:



Dr Sajid Shahul M.D, M.P.H., Professor Department of Anaesthesia and Critical Care & Vice Chair Research, Department of Anaesthesia and Critical Care, University of Chicago. He has American Board of Anaesthesiology Certification in Anaesthesiology & American Board of Critical Care Medicine Certification in Critical Care. Trained in India and the USA he did his Fellowship in Critical Care Medicine, and Fellowship in Cardiac Anaesthesia from University of Chicago, Chicago, IL. He is an invited speaker at various International conferences with more than 65 publications in reputed journals and has co-edited and contributed chapters to books. He is also M.P.H., Clinical Effectiveness, Harvard School of Public Health, Boston, MA and has many patents in his name. He is a passionate teacher with many Best Teacher awards to his credit from Beth Israel Deaconess Medical Centre and University of Chicago.



Dr Tamkin Khan, MS, DNB, MNAMS, FAIMER Fellow is working as Professor at JNMC, AMU, Aligarh. She has more than 25 years of clinical, research and teaching experience. Her areas of interest include High Risk Pregnancy and Fetal Medicine, Gynecological Oncology, and Medical Education. She is a master trainer for EMoC. She has published in national and international journals and is a reviewer of many journals including BMJ Case Reports. She works passionately both at professional and social level to decrease maternal mortality in her area. She is a FAIMER Fellow.

Note: The course will be held in online mode

Registration Fee:

Foreign Delegates	US \$ 20
Doctors (MBBS, AYUSH)	INR 500
Paramedics, Nurses	Free

Mode of Payment:

Money to be transferred in the name of the account “Gian Critical Care” to Indian Bank, AMU Branch, Aligarh
Account Number: 50515123175
MICR Code: 202019014
IFSC Code: IDIB000A565
Branch Code: 4134

Scientific Programme

12th to 16th December (Monday to Friday), 2022

11 hours lectures + 02 hours tutorials = 13 hours in 5 days

8 hours International Faculty Dr Sajid Shahul (SS), 5 hours National Faculty (NF)

Lecture Schedule:

Day 1: 3 hours lecture, 6.00 AM- 8.30 AM, IST

1. Concept of HDU/ICU--the need & scope in improving Maternal Survival
Normal physiology in pregnancy, maternal CPR and airway management,
Meows protocol and identifying the critically ill pregnant woman **30 min NF**
2. Management of shock states in obstetrical emergencies **1 hour SS**
3. Assessment of volume status, IV Fluid management, non-invasive and
invasive monitoring of the critically ill **1 hour SS**

Day 2: 2 hours lecture, 1 hour tutorial = 3 hours, 6.00 AM- 9.00 AM, IST

1. Introduction to Pulse Contour Cardiac Output Monitoring **30 min SS**
2. Pressors and inotropes in shock **30 min SS**
3. Tutorial on ABG analysis **1 hour NF**
4. Ventilator graphics, ventilator settings, non-invasive ventilation,
ventilator weaning **1 hour SS**

Day 3: 2 hours lecture, 1 hour tutorial = 3 hours, 6.00 AM- 9.00 AM, IST

1. Introduction to HDU-ICU monitors and interpretation **30 min NF**
2. Role of echocardiography and lung ultrasound in the critically ill
obstetric patient **30 min SS**
3. DIC and massive blood transfusion **30 min NF**

4. Acute renal injury **30 min NF**
5. Tutorial on postpartum collapse **1 hour SS**

Day 4: 3 hour lectures, 6.00 AM- 8.30 AM, IST

1. Pulmonary embolism and ARDS **1 hour SS**
2. Amniotic fluid embolism **1 hour SS**
3. Electrolyte imbalance **30 NF**

Day 5: 1 hours lecture, 1 hour tutorial= 2 hours, 6.00 AM- 8.00 AM, IST

1. Heart failure/heart disease in pregnancy and Peripartum cardiomyopathy **30 min NF**
2. Research project presentation by post graduates. **30 min SS**
3. Tutorial on Fetal assessment, resuscitation, delivery/perimortem cs in critically ill patient **30 min NF**
Team work, communication, respectful maternal care in the critical care setting, ethical & medicolegal issues, DNR (tutorial) **30 min NF**

Professor Tamkin Khan
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Prof M J Warsi
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