



Ministry of Education (Shiksha Mantralaya)



ALIGARH MUSLIM UNIVERSITY



GLOBAL INITIATIVE OF ACADEMIC NETWORKS (GIAN)

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 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

December 1st to 5th (Thursday-Monday), 2022

09 hours lectures + 03 hours tutorials =12 hours in 5 days

7.5 hours International Faculty Dr Sajid Shahul (SS), 4.5 hours National Faculty (NF)

Lecture Schedule:

Day 1: 3 hours lecture, 3.00 PM- 6.00 PM, IST

1. Normal physiology in pregnancy, maternal CPR and airway management, Meows protocol and identifying the critically ill pregnant woman **1 hour SS**
2. Sepsis and septic shock **1 hour SS**
3. Nursing care of obstetric HDU-ICU patients **1 hour NF**

Day 2: 1 hour lecture, 1 hour tutorial = 2 hours, 3.00 PM- 5.00 PM, IST

1. Noninvasive and invasive monitoring of the critically ill **30 min SS**
2. Assessment of volume status, IV Fluid management **30 min SS**
3. Tutorial on ABG analysis **1 hour NF**

Day 3: 1.5 hours lecture, 1 hour tutorial=2.5 hours, 3.00 PM- 5.30 PM, IST

1. Shock and massive blood transfusion **30 min NF**
2. DIC **30 min SS**
3. Acute renal injury **30 min SS**
4. Tutorial on postpartum collapse **1 hour SS**

Day 4: 2 hour lectures, 3.00 PM- 5.00 PM, IST

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

Day 5: 1.5 hours lecture, 1 hour tutorial= 2.5 hours, 3.00 PM- 5.30 PM, IST

1. Heart failure in pregnancy and Peripartum cardiomyopathy **30 min NF**
2. Role of echocardiography and lung ultrasound in the critically ill obstetric patient **30 min SS**
3. Research project presentation by post graduates **30 min SS**
4. Ethical & medicolegal issues, team work and communication and respectful maternal care in the critical care setting (tutorial) **1 hour NF**

Professor Tamkin Khan
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Dr Nasreen Noor
Co-Coordinator

Prof M J Warsi
Local Coordinator
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