



FELLOWSHIP IN

INTENSIVE CARE MEDICINE

## About Us

Medvarsity Online is Asia's largest healthcare Ed-Tech company, with over 2 lakh medical professionals trained and certified. Our partnerships with leading universities globally enable us to present the best courses and faculty to our students and help them meet their learning goals. Medvarsity is on a mission to bridge the gap of skilled medical professionals with over 150 courses in clinical & management areas for doctors, nurses, and general management personnel, covering specialties like Diabetes, Emergency Medicine, Cardiology, Nutrition, Wellness, Healthcare Informatics, Mental Health & more, with all the content being up-to-date.

Medvarsity has presence across 10 locations in India and students across India, Middle East, Africa, and South-East Asia. Our blended training solutions combine the best of traditional e-learning, live virtual classes, clinical bedside learning, mobile learning models to deliver impactful courses to our students.

## Course Overview

The Fellowship in Intensive Care Medicine course by Medvarsity is designed to impart knowledge and skills about intensive care of the patients admitted in the ICU. Experience and knowledge gained from this course will help improve the care delivered not only in the ICU but also to critically ill patients in other areas such as the emergency room, postoperative care unit and in disaster settings. During the course, the students will become familiar with the ICU setup, quality and safety needs in the ICU, general principles of intensive care and management of specific critical illness

## Course Objectives

- Acquire sufficient clinical experience and technical skill to identify and handle complex clinical problems and diseases encountered in the intensive care unit.
- Acquire knowledge and mastery of the medical technology used in the intensive care units.
- Acquire knowledge of appropriate ethical standards and ability to cope with the psychological and social effects of critical illness on patients and their relatives.
- Acquire the ability to take full responsibility for the quality of treatment and care of the critically ill patient.
- Acquire the ability to work in a multi-disciplinary team.

Acquire knowledge of contemporary research fields.

## Course Outline

### Session 1

*Introduction to Intensive care ,Respiratory,Cardiovascular and Neurological Disorders*

#### Introduction to Intensive Care:

Introduction, Historical perspective, Organization of ICU, Policies and procedures, Documentation, Clinical handover

#### Respiratory disorders:

Pulmonary edema, Adult Respiratory Distress Syndrome (ARDS), Asthma, Chest trauma, Ventilator therapy

#### Cardiovascular Disorders:

Shock, Heart Failure, Cardiac Arrhythmias, Aortic Dissection, Hypertensive crisis, Cardiac Emergency Management

#### Neurology Disorders:

Coma, Head trauma, Cerebrovascular accidents-Stroke, CNS infections, Spinal cord injury

### Session 2

*Renal Disorders, Metabolic and Nutritional Disorders, Hematological Disorders*

#### Renal Disorders:

Oliguria, Acute Renal Failure

#### Metabolic and Nutritional Disorders:

Fluid Electrolyte, Acid-Base Disorders, Endocrine Disorders, Diabetic Comas

#### Hematological Disorders:

Disseminated Intravascular Coagulation, Hemolytic Uremic Syndrome, Blood Component Therapy

### Session 3

*Infectious Disorders, Gastrointestinal Disorders, Obstetric Disorders*

#### Infectious Disorders:

Infections in the immunocompromised patient, Antimicrobial Therapy

#### Gastrointestinal Disorders:

Acute Pancreatitis, Acute Liver Failure, Spontaneous Bacterial Peritonitis, Bowel Obstruction, Abdominal Trauma

#### Obstetric Disorders:

Preeclampsia, Eclampsia, Amniotic Fluid Embolism

### Session 4

*Environmental Hazards, Toxicology, Poisoning Disorders, General Disorders*

#### Environmental Hazards:

Burns, Hypothermia, Radiation Injuries, Chemical Injuries

#### Toxicology, Poisoning Disorders:

Poisoning and drug overdose, Drug Reactions, Anaphylaxis

#### General Disorders:

Analgesia Sedation, Muscle Relaxants, Multiple Trauma, Transport of Critically ill patient

## Course Highlights

- 230 Hrs (Learning Content) & 2 weeks of Skill Sessions
- Clinical training by subject experts
- Live Virtual classes throughout the course
- Rotational internship ICU at flagship hospitals

## Eligibility

MBBS Graduate

## Duration:

6 months, 230 Hrs (Learning Content) & 2 weeks of Skill Sessions

## Training and Learning Methodology:

### Online Learning

The online learning program will be for a duration of 230 Hours. The online content shall be in the form of e-books, recorded videos of lectures covering the module content supported by live lectures during the contact program. A login username and password will be provided to access the content of the learning management system. You can access the course content on a computer or mobile phone at your convenience.

## Live Virtual Classes (Webinars)

With healthcare industry undergoing so many advancements, staying updated about latest trends, technologies and guidelines have become vital. Additionally, having these updates through a healthy discussion with experienced clinicians will be the focus of our learning curriculum.

Live virtual classes will provide an opportunity for the participants to listen to expert presentations and interact with them through webinars.

## Assessment & Certification

The course is divided into 4 study modules each having an assessment. All these assessments are online and objective.

The project work during the course is mandatory

The final examination will be conducted online at the end of one year following the completion of all the Module tests and project work.

A minimum of 50% is required in the module tests and the Final Test to be eligible for certification

On successful completion of the final exam, candidates will be awarded Diploma by Medvarsity.





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