

Advance Your Expertise with Our Prestigious Fellowship Program



Fellowship in Critical Care Medicine

- › Eminent Faculties
- › Online Mentoring
- › Globally Accredited
- › Blended Learning



About Us

GTR Academy is a leading healthcare education and training institute dedicated to advancing medical excellence through its prestigious Fellowship Programme. We are committed to empowering doctors and healthcare professionals with advanced clinical knowledge, practical skills, and globally relevant competencies required in today's evolving healthcare landscape.

Our Fellowship Programme is thoughtfully designed by experienced clinicians and academic experts to bridge the gap between theoretical learning and real-world medical practice. With a strong focus on evidence-based medicine, hands-on clinical exposure, and patient-centered care, we ensure that our participants gain the confidence and expertise needed to manage diverse clinical situations effectively.

At GTR Academy, we follow a blended learning approach that combines online mentoring, live interactive sessions, and practical training exposure.

Our flexible structure supports working professionals while maintaining high academic standards and professional integrity.

Through our strong collaborations with reputed academic bodies and industry partners, we aim to deliver globally aligned education standards and strengthen healthcare delivery by nurturing competent, skilled, and compassionate medical professionals.



Why Choose GTR Academy?

The Fellowship in Critical Care Medicine offered by GTR Academy equips physicians with the skills needed to make prompt, evidence-based decisions in high-pressure environments. The program emphasizes the management of complex treatment protocols and the effective use of advanced life-support technologies.

Participants also develop procedural expertise in essential ICU interventions, including endotracheal intubation, central venous line insertion, and mechanical ventilation management, enhancing their confidence and clinical competence in critical care practice.



- › Global Recognition and Accreditation
- › Industry-Driven Curriculum
- › Affordable and Flexible Learning
- › Expert Faculty and Mentorship
- › Clinical observer ship with Leading Hospitals
- › Hassle Free Admissions
- › Easy EMI Options Available
- › Career Advancement Opportunities
- › Success Stories and Testimonials

Key Features



First-Hand Clinical Training

Gain practical exposure in real-world clinical settings through hands-on training at multi-specialty hospitals, enabling direct involvement in frontline patient care.



Hybrid Learning Model

Flexible learning schedules designed for working professionals, with expert-curated resources that comprehensively cover essential clinical knowledge.



Global Recognition

Accredited by organizations such as eIntegrity, CPD, NHS, and more, ensuring international acceptance and credibility.



Expert Medical Faculty

Learn from experienced and accomplished Family Medicine clinicians through interactive and case-based sessions.

Programme Highlights



52 Weeks
of Programme



Live Sessions by
Experienced
Faculties



UGC Recognized
University



Convenient Class
Timings



Experiential
Learning



Self Learning
Support
Through LMS

What Will You Learn & Earn?

- **Specialized Expertise:** Gain In-Depth Knowledge and Skills in a Specific Field.
- **Career Advancement:** Increase Your Chances Of Promotions And Higher-Level Positions.
- **Increased Earning Potential:** Qualify For Higher Salaries With Specialized Qualifications.
- **Expanded Career Opportunities:** Open Doors To New Roles And Industries.
- **Professional Recognition:** Earn Respect And Recognition Among Peers And Employers.
- **Career Transition:** Smoothly Transition into a New Career or Field.
- **Continued Learning:** Stay Up-To-Date With The Latest Industry Developments.
- **Personal Satisfaction:** Boost Confidence and Job Satisfaction.
- **Networking:** Connect With Industry Experts And Peers.



Our Training Partner



In Collaboration With

nasscom

MEMBER ID : NSCM/2025/48/8819



EIMT
EUROPEAN INSTITUTE OF MANAGEMENT AND TECHNOLOGY



**BIRCHWOOD
UNIVERSITY**



London School Of
Management &
Technology



RI **ROOTBIX**
INFOTECH

What Our Clients Says

"The Fellowship Program completely transformed my professional journey. The mentorship, practical learning, and real-world exposure helped me gain confidence and clarity in my career path."



Dr. Rohan Mehta



"Unlike other programs, this fellowship focuses on real industry skills. The hands-on projects and expert guidance made learning practical and impactful."



Dr. Priya Sharma



"After completing the fellowship, I saw significant growth in my skills and job opportunities. It truly gave my career the boost I was looking for."



Dr. Neha Gupta



"This program not only enhanced my knowledge but also connected me with like-minded professionals. The networking opportunities were incredible."



Dr. Karan Singh



Before joining this program, I was unsure about insulin regimens and complications management. Now I can confidently treat Type 2 diabetes, adjust medications, and counsel patients properly. Great mentorship and structured curriculum.



Dr. Manoj Kumar



The real patient case discussions and treatment planning sessions were extremely useful. I was able to implement what I learned immediately in my practice. Highly recommended for doctors who want specialization in diabetes care.



Dr. Nisha Ray



Course Description

Critical Care, also known as Intensive Care Medicine, is a specialized branch of medicine dedicated to the management of patients who are critically ill, recovering from severe medical conditions, or at high risk of life-threatening complications. This specialty involves delivering advanced life-support therapies, invasive monitoring, resuscitation, and compassionate end-of-life care. Physicians in this field are commonly known as intensivists or critical care specialists and primarily work in the Intensive Care Unit (ICU), where a multidisciplinary team provides continuous monitoring and round-the-clock care to stabilize and treat critically ill patients.

Critical Care Medicine focuses on the comprehensive management of life-threatening illnesses and serious injuries. It demands multidisciplinary expertise spanning internal medicine, anesthesiology, pulmonology, and emergency medicine. Through a Fellowship in Critical Care Medicine, physicians receive structured training in the evaluation, diagnosis, and management of critically ill patients.

During the program, participants gain hands-on experience in treating a wide range of critical conditions, including severe infections, respiratory failure, shock, trauma, and multi-organ dysfunction.

A Fellowship in Critical Care Medicine after MBBS offers medical graduates an excellent opportunity to develop specialized competencies in managing life-threatening emergencies. The program provides practical exposure to advanced life-support systems, critical monitoring techniques, and ICU-based procedures, laying a strong foundation for a successful and high-impact career in hospital and intensive care settings.

Curriculum



Module 1 : Introduction to Critical Care Medicine

- Resuscitation and initial management of acutely ill
- ICU investigations and drugs
- Acid base abnormalities
- Sedatives in ICU
- Electrolyte abnormalities
- Nutritional assessment and support
- The ICU record
- Basic monitoring
- Introduction to microbiology in ICU
- Antibiotic stewardship in critical care
- An alternative approach to acid-base abnormalities in critically ill

Module 2 : Cardiovascular Diseases

- Shock
- Classification of Shock
- Shock management
- Heart Failure
- Cardiac Arrhythmias
- Aortic Dissection
- Hypertensive crisis
- Cardiac Emergency Management
- Cardiomyopathies
- Screening for Heart Disease
- Pericardial Disease
- Infective Endocarditis (IE)
- Acute Aortic Syndromes
- Aortic Trauma
- Cardiac Effects of Acute Pulmonary Embolism

- Coronary Interventions
- Cardiac MRI Anatomy and MRA
- Cardiac Nuclear Medicine Studies
- Normal Cardiac CT
- Variations in Pulmonary Vascular Patterns
- Complications of Myocardial Infarct
- Pulmonary Stenosis and Atresia with Intact Septum
- Grown-Up Congenital Heart Disease
- Single Ventricle Heart Conditions
- Coronary Artery Pathology
- An Introduction to Heart Failure and Valve Disease
- Cardiovascular Disease Prevention and Rehabilitation
- Heart Valve Disease - Diagnosis and management in primary care
- Heart Valve Disease - Endocarditis
- Heart Valve Disease - Introduction
- Heart Valve Disease - Treatment and follow up

Module 3 : Oncology problems

- Imaging of Lung Cancer
- Spinal Tumours
- Surface Lesion of Bone
- Oesophagus: Staging of Tumours
- Tumours of the Oesophagus: Treatments
- Colorectal Cancer: Follow-Up and Treatment, Management of Recurrence
- Pancreatic Adenocarcinoma
- Staging of Pancreatic Adenocarcinoma
- Gynaecological Cancer: Imaging in Follow-Up
- Clinical Aspects, Epidemiology and Diagnosis of Prostate Cancer
- Staging Prostate Cancer

- Malignant Testicular Tumours
- Primary Tumours of the Spinal Cord
- Spinal Extramedullary Tumours
- Colorectal Cancer 18 FDG PET/CT
- Gastro-oesophageal Cancer 18 FDG PET/CT
- Carcinogenesis

Module 4 : Haematology

- Causes of anaemia associated with breathlessness
- Anaemia and breathlessness
- Anticoagulation in pregnancy
- Spontaneous bleeding

Module 5 : Pulmonary Diseases

- History of acute asthma
- Assessing severity of acute asthma
- Chronic asthma
- Asthma guidelines and inhaler technique
- Differentiating COPD and asthma
- Interstitial lung disease and the acute medical take
- Investigation and management of interstitial lung disease
- Symptoms and signs of pulmonary embolism at initial presentation
- Pathway to diagnosing interstitial lung disease
- Difficulties of treating interstitial lung disease
- Interstitial lung disease case studies
- New lung cancer diagnosis and management
- Variability of lung cancer presentations
- Presenting features of pulmonary embolism

- Common causes of pulmonary diseases
- Managing pulmonary embolism special circumstances
- Risk factors for pulmonary embolism
- Definition and description of bronchiectasis
- Mechanisms behind haemoptysis in bronchiectasis
- Rarer causes of haemoptysis
- Investigation and management of rarer causes of haemoptysis
- Common and serious respiratory causes of cough
- Importance of good history
- Taking an occupational history

Module 6 : Gastrointestinal Diseases

- The Gastro-Oesophageal Junction, Hiatus Hernia and Reflux Disease
- Oesophagus: Tumours of the Oesophagus
- Common Clinical Problems: Managing Abdominal Radiological Emergencies
- Postoperative Appearances of the Oesophagus
- Post-operative Appearances of the Stomach and Small Bowel
- Gastrostomy Insertion
- Non-Neoplastic Disorders of the Stomach and Duodenum
- Small Bowel: Barium Examination of the Small Bowel
- Crohn's Disease
- Small Bowel: Diffuse and Multi-system Diseases of the Small Bowel
- Small Bowel: Structural and Vascular Abnormalities of the Small Bowel
- Abdominal Radiographs: Uses, Limitations, Techniques and Normal Anatomy
- Malignant Tumours of the Small Bowel
- Small Bowel: G-I Stromal Tumours (Hollow Organ and Mesentery)
- Small Bowel Obstruction
- Colon Evacuation Proctography and Pelvic Floor Anatomy

- Endoanal Ultrasound and Anal/Rectal MRI (Non-Malignant) Fistula Disease
- Colon: Diverticular Disease of the Colon
- Idiopathic Inflammatory Bowel Disease
- Upper GI Normal Anatomy and Techniques: Endoscopic Ultrasound
- Colorectal Cancer: Follow-Up and Treatment, Management of Recurrence
- Colon: Other Miscellaneous Disorders of the Colon
- Further Diseases of the Appendix
- Imaging and Intervention of Solid Viscera Techniques
- Gallbladder and Biliary Tract: Normal Anatomy
- Gallbladder and Biliary Tract: Examination Techniques of the Biliary Tree
- Gallbladder and Biliary Tract: Staging of Cholangiocarcinoma
- Gall bladder and Biliary Tract: Inflammatory Conditions of the Biliary Tract
- Normal Liver Anatomy and Examination Techniques
- Anomalies and Anatomic Variants of the Liver
- Liver: Benign Lesions of the Liver - Haemangioma, Cysts
- Liver: Malignant Tumours of the Liver - Hepatoma
- Malignant Tumours of the Liver: Others
- Management of Hepatic Malignancies
- Infectious and Other Non-Neoplastic Conditions of the Liver
- Liver: Cirrhosis and NASH
- Liver: Vascular Disorders of the Liver and Splanchnic Circulation
- Liver: Vascular Disorders of the Liver and Splanchnic Circulation - Intervention
- Abdominal Trauma
- Pancreas: Normal Anatomy and Examination Techniques, Anomalies and Anatomic Variants
- Oesophagus: Motility Disorders of the Oesophagus

Module 7 : Renal Diseases

- Goodpasture's disease signs and symptoms
- Causes of nocturia
- Definitions of chronic kidney disease
- Management of chronic kidney disease
- Causes of dysuria
- Investigation and management of urinary tract infection
- Investigation and management of acute kidney injury
- Investigation and management of haematuria
- Renal replacement therapy in critical care
- ACP and different illness trajectories
- Case study: end-stage renal disease
- Discussing 'Do Not Attempt CPR' decisions
- Framework for end-of-life care in advanced kidney disease
- Symptom management complicated by coexisting conditions
- The management of diabetes at the end of life
- AKI - Differential Diagnosis
- AKI - Fluid Resuscitation
- AKI - Life-threatening Complications
- CKD - Hypertension in CKD

Module 8 : Neurological Diseases

- Coma
- Headtrauma
- Spinal cord injury
- Chronic cord compression: Examination findings
- Definition of stroke
- Stroke differential diagnosis in younger patients
- Stroke: Where is the lesion?
- How to take a headache history

- Parkinson's disease: Classical symptoms and signs
- Parkinsonism
- Parkinson's disease: Diagnosis, investigation, management
- Clinical findings associated with spinal cord compression
- Causes of acute spinal cord compression
- Spinal cord compression
- The vestibular system and its connections
- All about uncompensated vestibular disorders
- Types of speech disturbance
- Areas of the brain and associated speech disturbances
- Brain tumours affecting speech: Types, treatment, management
- Dealing with the unconscious patient
- Management of acute back pain
- Safe sedation
- First fit: Investigation and management

Module 9 : Infectious Diseases

- Signs and symptoms of viral encephalitis
- All about HSV encephalitis
- Investigation and management of urinary tract infection
- Management of the septic patient
- Investigation and management of Sepsis
- e-Assessment - UTI
- Urinary Tract Infections
- Standard 15: Infection Prevention and Control e-Learning
- Social Distancing, Hand Hygiene and Personal Protective Equipment

- Taking Care of Residents and Yourselfes
- Taking Care of the Environment
- Leprosy
- Lyme Disease
- Subcutaneous Mycoses and Other Mycoses
- Infectious Blisters
- Cutaneous Leishmaniasis
- Dermatological Presentations of COVID-19
- Staphylococcal Related Skin Disorders
- Acute Wound Infections
- Chronic Osteomyelitis in the Lower Limb
- Finger Tip Infections
- Care of airway equipment
- Hand washing
- Safe sharps disposal
- Pneumococcal Infections in HIV
- Tuberculosis
- Herpes Infections
- Cytomegalovirus
- Cryptosporidiosis and Microsporidiosis
- Herpes Infections
- Cytomegalovirus
- Cryptosporidiosis and Microsporidiosis
- Genital Lumps
- Differential Diagnosis of Anogenital Warts
- Anogenital Warts

Module 10 : Overdose and Poisoning Case

- Anaphylaxis
- Poisoning
- Other signs of cocaine use
- Investigation and management of paracetamol overdose
- Abdominal pain
- Acute confusion
- Blackout or collapse

Module 11: Resources for Allied Health Professionals in a Critical Care Setting-1

- Basic Care, Done Well
- Emergency Care
- Emergency Front of Neck Airway
- Understanding Tracheostomies and Laryngectomies

Module 12: Resources for Allied Health Professionals in a Critical Care Setting-2

- Active Cycle Breathing Technique (ACBT)
- Arterial Blood Gases
- Auscultation
- Chest X-Rays
- Humidification
- Incentive Spirometry
- Insufflation Exsufflation (cough assist)
- Intermittent Positive Pressure Breathing
- Introduction to Assessment and Clinical Reasoning
- Manual Techniques
- Non-Invasive Ventilation
- Oxygen Therapy
- Paediatrics
- Suction
- Tracheostomies

Module 13: Essential Learning Resources for Healthcare Staff working in Critical Care-1

- Sedation
- CVP monitoring
- Do Not Attempt Resuscitation Orders
- A structured approach to the critically-ill patient

Module 14: Essential Learning Resources for Healthcare Staff working in Critical Care-2

- Airway Maintenance: Facemask
- Anatomy and Basic Views
- Arterial line: indications, insertion, complications
- Basic Lung Ultrasound
- Catheter Insertion
- Central Venous access: indications, sites and complications

Module 15: Essential Learning Resources for Healthcare Staff working in Critical Care-3

- Communicating with ill people
- Electrolytes
- Equipment and monitoring for patient transfer
- Initial management of AKI
- Intravenous Fluid Therapy
- Invasive ventilation 1: indications, initial settings, basic modes, complications
- Invasive ventilation 2: Advanced modes, trouble shooting, rescue therapy (incl ECMO)
- Left Ventricular Function
- Limitations and Pitfalls
- Nasogastric
- Insertion
- Overview of Monitored Sedation
- Pathology

Module : 16 Ultrasound for Emergency and Critical Care Clinicians

- Image Interpretation - Abdominal Ultrasound: Aorta
- Image Interpretation - Abdominal Ultrasound: The FAST Scan
- Image Interpretation - Vascular Ultrasound: Vascular Access

Module : 17 Image Interpretation - Plain X-rays of the Adult Chest

- Image Interpretation - Plain X-rays of the Adult Chest: Introduction
- Image Interpretation - Plain X-rays of the Adult Chest: General Anatomy and Physiology
- Image Interpretation - Plain X-rays of the Adult Chest: The Normal Chest X-ray
- Image Interpretation - Plain X-rays of the Adult Chest: Airspace Opacification
- Image Interpretation - Plain X-rays of the Adult Chest: Interstitial Lung Disease
- Image Interpretation - Plain X-rays of the Adult Chest: Nodules
- Image Interpretation - Plain X-rays of the Adult Chest: Hila, Mediastinum and Heart
- Image Interpretation - Plain X-rays of the Adult Chest: Pleural Conditions and Diseases
- Image Interpretation - Plain X-rays of the Adult Chest: Emergency, Lines and Instrumentation

Who is eligible to apply for this fellowship in Critical Care Medicine ?

The program is typically open to:

- ✓ MBBS Graduates.
- ✓ MBBS Final Years Student
- ✓ Applicants who are in their final year can also apply.
- ✓ MD/DNB/FNB & residents working in healthcare.
- ✓ BAMS / BHMS / Ayush / BYNS /BUMS

Step to Apply



REGISTRATION



PAYMENT



GET STARTED





THANK YOU !

Contact Us

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