



### Emergency Medicine at MIMS

[www.emergencymedicinemims.org](http://www.emergencymedicinemims.org)

World-standard Resuscitation bay • Triage area with state-of-the-art monitors and equipment • Step down care unit • 24 hr walk in clinic • Academic area with internet and library facility • Reception and Patient education area • Regular Academic programs • Pre hospital care unit with dedicated EMS team • Stroke care and chest pain care • Toxicology • Disaster management • Code blue system • Trauma care • Protocol based practice • Grand rounds and regular academic sessions • Electronic Medical Records • Quality and Infection Control Policies and Protocols • Clinical Staff with International BLS, ACLS, ATLS • ITLS & PALS Certification • EDICU, Fully Equipped Mobile ICU • POC Ultra Sound

Tertiary care support from world standard departments like cardiology and cardiothoracic surgery, Neurology and Neuro Surgery, Pulmonology and Intensive Care, General Medicine and General Surgery, Obstetrics and Paediatrics, Trauma and Orthopaedics, Radiology and Laboratory Sciences.



**MALABAR INSTITUTE OF MEDICAL SCIENCES LTD.**  
**(The First NABH Accredited Multispeciality Hospital)**

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first time in India



MIMS  
 Announces  
 Three year  
 Postgraduate  
 Comprehensive  
**Masters Program  
 in Emergency  
 Medicine (MEM)**  
 under  
 George Washington  
 University, USA

Since  
 2007

India's  
 First  
 GWU  
 Centre

Now in  
 MIMS  
 Kottakkal  
 Also



Supported by  
 IIEMS, India



### Department of Emergency Medicine

(India's First International Academic Training Centre - GWU. USA)  
 International Training Centre AHA

a caring mission  a global vision



Dear Friends,

Malabar Institute of Medical Sciences proudly announces the Compressive Post Graduate Masters Program in Emergency Medicine (MEM) which will be conducted under direct guidance of Ronald Regan Institute of Emergency Medicine (RRIEM) of George Washington University. RRIEM is the 3rd best Emergency setup in the world and they are dedicated to saving lives by improving Emergency Care in United States and around the world. The lack of proper Emergency Medicine course in India forces us to enter into this venture. We are committed to bring the widely acclaimed standards set by RRIEM to India.

We welcome physicians of the country who enjoy the real challenge of Emergency Medicine to join us.

**Dr. Azad Moopen**  
Chairman, MIMS

**Mr. Salahuddin**  
Vice Chairman, MIMS Academy

**Dr. Abdulla Cherayakkat**  
Managing Director, MIMS

**Prof. K.K. Varma**  
Director, MIMS Academy

**Dr. P.P. Venugopalan**  
Deputy Director (Academics) MIMS Academy  
Chief, Emergency Medicine

**Dr. P. Mohanakrishnan**  
CEO, MIMS Kottakkal

## Masters Program-Training Modules

**Airway, ACLS, PALS, ITLS & Resuscitation**  
**Shock & Critical Care**  
**Cardiology 1**  
**Pulmonary**  
**Gastroenterology 1**  
**Trauma 1**  
**ATLS**  
**Pediatrics 1**  
**Orthopedics**  
**Soft Tissue Injuries & Wound Management**  
**Neurology**  
**Infectious Disease**  
**Endocrine & Metabolism Disorders**  
**Vascular Disorder**  
**Obstetrics & Gynecology**  
**Genitourinary**  
**Cardiology 2**  
**Trauma 2**  
**Pediatrics 2**  
**Toxicology**  
**ENT & Ophthalmology**  
**Hematology & Inflammatory Disorders**  
**Psychiatry/Ethics/Administration**  
**EMS & Disaster Medicine**  
**EM Research**

The daily classes will be conducted by GWU faculty and Emergency Faculty from MIMS. After each module an exam will be conducted at the end of the month. Fellows will be given a project every month, which they have to finish before the next visit of the GWU faculties. Extra support and coaching will be given to the candidates who are finding it difficult to follow the course modules.

### Evaluation

Each module will begin with a pre-test to gauge the fellows' academic knowledge on the clinical topics, and each module will end with a post-test to measure the fellow's level of comprehension and mastery of the material given during the module session. In addition, faculty will conduct an annual written and oral exam that covers the 12 modules within that year. The senior members of the Society for Emergency Medicine in India (SEMI) will be invited to participate as examiners. Additionally, a final exam covering all 36 modules will be given at the end of the masters program.

**How to apply:** Duly filled application form should reach MIMS Academy office.

Details: mail or call

**Dr. Venugopalan P.P**

Chief, Emergency Medicine

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Dr. Fabith Moideen (Co-ordinator), Mob: 9400 345001

Nodal Officer Mob: 9961074400

Ph: 0495 3911 400 Ext. 91406, 91407

www.mimsacademy.org

Application form can also be downloaded from the website. The cost of the form should be remitted with the filled form.

### Training Program Covers MCEM Syllabus Also

#### ROTATION SCHEDULE

1st Year	2nd Year	3rd Year
Research / Ortho procedure	Research	Research
Pediatrics	MICU	MICU
MICU	OBG/Gynaec	PICU/NICU
Coronary ICU	Trauma	Trauma
Anesthesia	Pediatric	GWU - USA, (Optional)
ED 7 months	ED - 7 months	ED-7-8 months

## Three year Postgraduate Masters Program in Emergency Medicine (MEM) under George Washington University Washington DC- USA

**Course Highlights**

- Mastery, Proficiency, Familiarity
- Two year resident program
- Lectures on the modular topic of the month
- Evidence – based medicine
- Journal article discussions
- Online Log book – Maintained by GWU
- Grand round and guest speakers
- Morbidity and Mortality (M&M) conferences
- Follow up case discussions on patients admitted Through the emergency department
- Procedures and skills Workshop
- BLS, ACLS, ITLS, PALS, NALS, ATLS Certification
- FAST and emergency Ultrasound training
- P.O.C. Echo Training
- Rotation in MICU, CICU, NICU, PICU
- Rotation at GWU
- Research and Publication
- Faculty Development Program
- Presentation by the Fellows
- Pre hospital care medicine
- Disaster Management
- Attractive stipend

All successful fellows from 2007 batch  
gained good placements.



Convocation 2009

Interview for admission to 7th Batch : April  
Enrolment: May  
Foundation Course 10-30 June  
Course commences: July



Students will spend ¾ of the program in the Emergency Medicine Department and ¼ of the program in other Critical Care \*services. The rotation in the other departments will provide the students with opportunities to develop knowledge and skills in core subject.



### ELIGIBILITY

MBBS with Completion of Internship BLS, ACLS, ILTS and PALS structured courses are desirable.

Additional qualifications and work experience in emergency department are also desirable  
Selection based on written aptitude test and interview.



### OBSERVERSHIP in RRIEM

Students can do observer ship for four weeks at George Washington University Hospital working with the faculty in Washington, D.C. as an elective. The students will be responsible for their airfare, housing and meals during the elective.

\*Intensive Care Unit, Cardiac Care Unit & Cardiology, Surgery & Anesthesia, Internal Medicine, Obstetrics & Gynecology, Pediatrics



## Malabar Institute of Medical Sciences Ltd

The Malabar Institute of Medical Sciences Ltd (MIMS) is the first NABH accredited multispecialty hospital in India. This 600 bedded hospital is situated in the heart of Calicut city and has an atmosphere of quiet and unpolluted air. The hospital is renowned for its excellent medical expertise, nursing care and quality of diagnostic services and has been recognized leader in providing world-class healthcare services to the common man at an affordable cost. MIMS is continuously in tune with the latest technology that promotes the healthcare and well being of the patient.

The hospital has over 40 disciplines managed by highly qualified and trained full time medical specialists providing round the clock service.

MIMS is equipped with state-of-the-art medical equipment such as Helical CT Scanner, MRI Scan, DSA facility and nuclear imaging. One of the key features of the radiology department is that this is the only center in Malabar to undertake Interventional Radiology procedures. In the last three years, MIMS has been recognized as one of the best tertiary care hospitals in Malabar, and has also been identified as a leader in patient care, medical research and teaching. Today MIMS is known for its excellent faculty and staff who have specialized in every aspect of medical care. The hospital has grown into a completely self-contained unit with most of the sophisticated equipment available in the world to give quality care to the people of the Nation. The hospital has over 1200 employees including doctors, nurses, paramedical and administrative staff. Through out the period of its operation the hospital had intense demand for Emergency and Trauma care services. The clinical and medical programmes are continuously updated to meet both the changing needs of the community and challenges posed by new discoveries in technology.

MIMS has excellent facilities for providing emergency and trauma care for various emergencies like heart attack, stroke, Road Traffic Accidents, snake bites, burn injuries, internal bleeding etc. The department of Emergency Medicine is supported by 24 hours diagnostic department and a blood bank which has component separation facility. In Malabar, MIMS is the only hospital to have the Mobile ICU - an advanced cardiac and trauma life support facility for transporting the critically ill patients.

[www.mimsindia.com](http://www.mimsindia.com)



## THE RONALD REAGAN INSTITUTE OF EMERGENCY MEDICINE



The Ronald Reagan Institute of Emergency Medicine at the George Washington University Medical Center was established in 1991, in recognition of both the undisputed excellence of the Medical Center's department of emergency medicine and its role in saving the life of President Reagan after a 1981 assassination attempt. The Reagan Institute serves to strengthen the health and welfare of local, national and international communities through research, education, training, and consultative support. The objectives of the Reagan institute are successfully achieved through initiatives related to injury prevention and control, the medical aspects of disaster planning, preparedness and response, and the enhancement of emergency medicine throughout the world.

### The center for injury prevention and control

The center for injury prevention and control of the Ronald Reagan Institute of Emergency Medicine is dedicated to the reduction of death and disability from intentional and unintentional injury. The mission of the center is to develop multidisciplinary intervention, surveillance, and evaluation programs in order to focus greater attention and resources to fight injury in much the same way we fight cancer, heart disease and AIDS . The center achieves its goals through a unique collaboration of medicine, public health, sociology, and public policy within a program of research and education.

### Disaster Medicine Service

The Ronald Reagan Institute of Emergency Medicine's Disaster Medicine Service is a consultation and training resource to national and international organizations responsible for disaster planning, preparedness, and response. Faculty members from the Reagan Institute are actively involved in medical training programs for federal Emergency Management agency (FEMA), National Disaster medical system (NDMS), office of foreign disaster assistance (OFDA) and the united nations relief organization.

The George Washington University Emergency Health Services Program serves as a resource to the national and international EMS communities emergency health care since the 1987. EHS is an essential component at the George Washington University School of Medicine and Health Sciences nationally recognized for its involvement in advanced health professions education, patient care, research, and community service.

[www.gwemed.edu/reagan/initiatives/iem.html](http://www.gwemed.edu/reagan/initiatives/iem.html)



## EMERGENCY MEDICINE (EM)

Emergency Medicine (EM) is a relatively new specialty within medicine that is expanding at a phenomenal pace throughout the globe. Within the international community, leaders in medicine, health economics public health and government have recognized the need to develop a system that responds to acute medical and surgical emergencies. Emergency medicine is a unique discipline and an independent specialty with a body of knowledge and skills to care for patients presenting with emergent medical problems. In India few training programs are available at a limited number of institutions, but an enormous need still exists to train many more emergency physicians to meet the nation's large demand for emergency healthcare providers.

The Malabar Institute of Medical Sciences (MIMS) has recognized the need to train highly skilled physicians to treat patients presenting with acute medical conditions. The Ronald Reagan Institute of Emergency Medicine (RRIEM) at the George Washington University (USA) and the Indian Institute of Emergency Medical Services (IEMS) have come together to collaborate with the medical faculty at MIMS to launch a Comprehensive 3 year Post Graduate Masters Program in Emergency Medicine. The program which train 10 students per year, and prepare them to practice in the complex and challenging arena of emergency medicine at the highest level.

Through an on going presence of faculty from RRIEM and IEMS at MIMS, the students will have continuous guidance and education in the specific topics and skills that constitute the field of emergency medicine. The faculty will provide lectures, seminars, simulations, and clinical teaching to the trainees.



## MIMS ACADEMY

MIMS Academy is the educational wing of Malabar Institute Of Medical Sciences Ltd. It is headed by Prof. (Dr.) Karthikeya Varma former Principal, Calicut Medical College. The Academy conducts Dip.NB in Anesthesia, Cardiology, Cardio Thoracic Vascular Surgery, ENT, General Medicine, Family Medicine, General Surgery, Pediatrics, Radiology and Obstetrics & Gynecology as well as Govt.Approved BSc Nursing, General Nursing & Midwifery Courses, DMLT Course and various Para-medical courses. The Academy is also launching job oriented administrative courses in nine disciplines. Another project of the MIMS Academy is an entrance training program designed to provide guidance to the aspiring Medical Graduates who intend to appear for the Entrance examination for Post Graduate courses. MIMS school of Resuscitation under MIMS Academy is a recognized regional training organization (RTO) of American Heart Association (AHA) for Basic Life Support (BLS), Advanced Cardiac Life Support (ACLS), Paediatric Advanced Life Support (PALS) and Emergency Cardiac Care (ECC) provider courses. The MRCGP training program at Academy is very popularly. The Academy is now launching the prestigious international training program in emergency Medicine (MEM) under GWU, USA.

[www.mimsacademy.org](http://www.mimsacademy.org)



Members from George Washington University



## MCI

Medical Council of India (MCI) recognized emergency medicine as primary specialty on 21<sup>st</sup> July 2009. It is great step in the history of Emergency Medicine In India.



## THE SPECIALTY - WORLD PROSPECTS

Emergency Medicine (EM) continues to grow internationally in scope and activity and serves an essential role as the safety net for patients in many countries. In recent years, urbanization, aging, economic changes and worsening health care problems have led to an increased awareness and need for emergency care throughout the world. EM has become more important due to its ability to meet not only the day-to-day treatment needs, but also to provide planning and leadership for disaster preparedness. There are now more than 30 countries that have recognized EM as a specialty and many of those countries where it is not yet recognized, are pursuing such specialty recognition and developing residency training programs. Many of the countries that are in the early stages of developing the specialty and their residency programs are reaching out for guidance from those countries that have been successful.

## CURRICULUM IMPLEMENTATION

One of the essential components of an effective academic training program is a solid curriculum plan that provides the faculty and the residents with the specific criteria for theoretical and clinical education. At the international level, The 2003 Model of the Clinical practice of Emergency Medicine: A 2 year update can serve as a valuable resource for any country that is implementing an EM training program, and it has already been used to help structure residency programs in multiple countries such as Turkey, Korea, Singapore, Jordan, Saudi Arabia, Poland and Iran. The model has also been translated into Spanish, and academic institutions in Latin America have been able to use the translated model to integrate EM training programs alongside traditional training programs such as surgery and internal medicine by sharing the translated document with colleagues from other specialties.

Specialty societies such as the American College of Emergency Physicians, American Academy of Emergency Medicine, and SAEM could support EM-oriented distance learning projects.

## INTERNATIONAL EM MASTERS

Masters programs in EM allow Emergency Physicians to learn a special aspect of the field in more depth or to qualify for a certificate of added qualification (subspecialty certificate)

International EM Masters can offer unique opportunities in both education and research. Specific educational opportunities include international clinical and administrative experiences for EM residents, Fellows and faculty.

The American College of Emergency Physicians, American Academy of Emergency Medicine and SAEM potentially could collaborate with the Council of Emergency Medicine Residency Directors, international EM masters programs, and other stakeholders to develop standards for international EM fellowship curriculum.

## POST-GRADUATE MASTERS PROGRAM IN EMERGENCY MEDICINE (MEM)

The post-graduate masters program in emergency medicine at MIMS will consist of a three year curriculum that will be divided into 36 clinical modules and cover the breadth of emergency medicine. RRIEM and MIMS will provide faculty coverage and program supervision for the masters program. At the successful completion of the program, the graduating doctors will be able to practice independently within emergency department as well-trained physicians, and they will receive a "Certificate of Completion" from the RRIEM at George Washington University - Washington DC, USA

The Course is recognised in more than 30 countries worldwide.

Placement opportunity: The course offers excellent placement opportunity in India and abroad

