Diploma in Emergency Medicine
Dear Friend,

In today’s scenario of rapidly evolving medical science and competitive workplace, healthcare professionals are in constant need to stay abreast with latest developments in their profession. You as a healthcare professional also need the best resources that can help you stay ahead in your professional career. You need a source of authentic knowledge, information and academic qualifications which you can trust and which maintains high standards in medical education.

Medvarsity is one such center of excellence. We, at Medvarsity, constantly work towards raising the standards in medical education. Medvarsity offers premium courses for healthcare professionals. These courses impart knowledge and skills in very focused and niche areas. These areas are gaining importance in Indian scenario and are recognized as specialization areas in countries world over.

Apart from providing quality medical education, the courses also offer:

- A specifically designed course curriculum.
- Unique teaching methodology with hands-on experience

I invite you to join these courses.

To know more about these courses please go through the prospectus.

With Best Wishes,

Dr. S.S Reddy MS, FRCS (Eng.)
Director
Medvarsity Online Limited
## Contents

<table>
<thead>
<tr>
<th>Contents</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>About Royal Liverpool Academy</td>
<td>5</td>
</tr>
<tr>
<td>About Apollo Hospitals Educational &amp; Research Foundation</td>
<td>6</td>
</tr>
<tr>
<td>About Medvarsity Online Limited</td>
<td>7</td>
</tr>
<tr>
<td>Medvarsity Educational Programs</td>
<td>8</td>
</tr>
<tr>
<td>Diploma in Emergency Medicine</td>
<td>9</td>
</tr>
<tr>
<td>Other Medvarsity Courses</td>
<td>11</td>
</tr>
</tbody>
</table>
About Royal Liverpool Academy

The Royal Liverpool Academy is the education wing and centre of the Royal Liverpool & Broadgreen University Hospitals Trust. It is one of the largest University Teaching Hospitals in the UK and has one of the largest Emergency Department and throughput. It is one of the primary sites where medical education is delivered through the University of Liverpool and one of the main partners of Liverpool Health Partners, the Academic Health Sciences System for Liverpool, UK.

The Royal Liverpool Academy is pleased to partner Apollo Hospitals Education & Research Foundation and Medvarsity in the delivery of the Diploma in Emergency Medicine Course. The Academy will be participating in the quality assurance framework of assessment for the Diploma and we are sure that this course will be the pre-eminent course in the development and delivery of Emergency Medicine in India.

Professor Arpan Guha
MD, DA, FRCA, FFICM, MIHM, FCCP, FRCPEdin
Director of Education (Innovation), Liverpool Health Partners,
Director of Acute Trusts & NHS Engagement, University of Liverpool,
Associate Medical Director/Director of Medical Education,
Consultant in Critical Care
Royal Liverpool & Broadgreen University Hospitals NHS Trust
Apollo Hospitals Group has always understood the need for quality health education and this is reflected in the group's mission statement:

“Our mission is to bring healthcare of international standards within the reach of every individual. We are committed to the achievement and maintenance of excellence in education, research and healthcare for the benefit of humanity”

Apollo Hospitals Educational & Research Foundation is running a variety of educational and training programs including Nursing, Hospital Administration, Physiotherapy, Emergency Medicine, Surgery and Anesthesiology.

A spacious building in calm & quiet environment is dedicated to academics and houses our college and the institutes of education. The foundation is proud of its faculty consisting of distinguished personalities from India and abroad including a number of doctors who are members of the Royal College.

<table>
<thead>
<tr>
<th>Governing Body</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chairman</strong></td>
</tr>
<tr>
<td>Dr. Prathap C. Reddy</td>
</tr>
<tr>
<td><strong>Secretary &amp; Treasurer</strong></td>
</tr>
<tr>
<td>Smt. Sangita Reddy</td>
</tr>
<tr>
<td><strong>Trustees</strong></td>
</tr>
<tr>
<td>Shri K. Umapathi</td>
</tr>
<tr>
<td>Shri K. Vishveshwar Konda</td>
</tr>
</tbody>
</table>
Medvarsity, India’s first Medical e-learning venture was established in April 2000, and launched its official online portal www.medvarsity.com in October 2000. It is an initiative by Apollo Hospitals Group, the leader in healthcare in Asia Pacific Region having the first JCI accredited hospital in India.

Mission

"To deliver quality distance education to the healthcare providers (HCP), using information technology enabled learning tools, aimed at improving the standards of medical education and practice."

Helping to Stay Ahead...

Today the world of medicine and healthcare is evolving rapidly. New areas are being researched and explored. In depth study is being done in various areas of Healthcare. For professional growth of a medical professional, there is a need to keep oneself updated with the latest developments in the field. Continuous Medical Education has become a necessity to stay ahead.

But in the present set up, accessibility to specialized programs and educational services is still an issue. Not every professional can leave the practice, join full time courses and spend time in attending classes. As a result, a large number of healthcare professionals, though willing to develop knowledge and skills in different areas of Medicine, are not able to do so. Information flow is very limited, as there is no easily accessible channel to gather and disseminate knowledge.

Medvarsity, which brings with it the experience as well as the expertise in healthcare sector, endeavors to fill the stated gap in medical education. By using e-learning solutions and latest IT tools, our aim is to reach out with high quality authentic knowledge resources to healthcare professionals.
Medvarsity has a large pool of resources in medical care and IT education. These include highly specialized personnel, eminent doctors, state of the art infrastructure, quality medical content, and robust learning engine. Apart from this, Medvarsity has also entered into working tie ups world over with many institutions for knowledge exchange and updates in the field of Medical Education.

**Faculty from Royal Liverpool Academy**
- Dr. Ray Raj: Consultant in Emergency Medicine
- Dr. Dominic Pickles: Consultant in Acute Medicine
- Prof Dr. Arjan Guha: Consultant in Critical Care Medicine
- Dr. Anand Iyer: Consultant in Critical Care Medicine

**Faculty from Apollo Hospitals**
- Dr. R.N. Mehrotra: Consultant Endocrinologist, Apollo Hospitals, Hyderabad
- Dr. Shekhar Reddy: Consultant Anesthetist, Apollo Hospitals, Hyderabad
- Dr. Sridhar: Consultant Cardiologist, Apollo Hospitals, Hyderabad
- Dr. Keshav: Consultant Physiotherapist, Apollo Hospitals, Hyderabad

**Medvarsity Educational Programs**

**Medvarsity Learning Cycle**

1. Login
2. Select Module
3. Read Important News
4. Take Pre-assessment Test (Optional)
5. Access Personalized Learning Plan
6. Access Online Notes
7. Topic Based Test
8. Performance Analysis
9. Practice Assignments
10. Final Exam

**Resources**
Medvarsity has a large pool of resources in medical care and IT education. These include highly specialized personnel, eminent doctors, state of the art infrastructure, quality medical content, and robust learning engine. Apart from this, Medvarsity has also entered into working tie ups world over with many institutions for knowledge exchange and updates in the field of Medical Education.

**Our Faculty Resources**

**Faculty from Royal Liverpool Academy**
- Dr. Ray Raj: Consultant in Emergency Medicine
- Dr. Dominic Pickles: Consultant in Acute Medicine
- Prof Dr. Arjan Guha: Consultant in Critical Care Medicine
- Dr. Anand Iyer: Consultant in Critical Care Medicine

**Faculty from Apollo Hospitals**
- Dr. S.S. Reddy: Director, Medvarsity Online Limited
- Dr. Dilip Mathai: Dean, AIMS
- Dr. Hari Prasad: CEO, Apollo Hospitals, Hyderabad
- Dr. Anupam Sibal: Group Medical Director & Senior Consultant - Pediatrics
- Dr. Mahesh Joshi: HOD Emergency Medicine, Apollo Hospitals, Hyderabad
- Dr. Dhaavapalani: HOD, EM, Apollo Hospital, Chennai
- Dr. Syed Fiyyaz Pasha: HOD, EM, Jehangir Hospitals, Pune
- Dr. P. Srinivas Rao: Head, Operations, Medvarsity
- Dr. Nagaraj: MS, Apollo Hospitals, Chennai
- Dr. A.N. Venkatesh: HOD, EM, Apollo Hospitals, Bangalore
- Dr. Muthukrishna: Consultant-Psychiatrist, Apollo Hospitals, Chennai

**Medvarsity Faculty**
- Dr. Sumana Manohar: Consultant Gynaecologist, Apollo Hospitals, Chennai
- Dr. Swarnalatha: Consultant Pathologist, Apollo Hospitals, Hyderabad
- Dr. Ravi Andrews: Consultant Nephrologist, Apollo Hospitals, Hyderabad
- Dr. Ashok Alimchandani: Consultant Psychiatric, Apollo Hospitals, Hyderabad
- Dr. Lakshmi Reddy: Consultant Gynaecologist, Apollo Hospitals, Hyderabad
- Dr. Priyamvada Reddy: Consultant Gynaecologist, Apollo Hospitals, Hyderabad
- Dr. Koteshwara Rao: Consultant Paediatrician, Apollo Hospitals, Hyderabad
- Dr. Raghupathi Rao: Consultant Surgeons, Apollo Hospitals, Hyderabad
- Dr. V.K. Bhargava: Consultant Physician, Apollo Hospitals, Hyderabad
- Dr. I.S. Reddy: Consultant Dermatologist, Apollo Hospitals, Hyderabad
- Dr. Satavahana Chaudhary: Consultant ENT surgeon, Apollo Hospitals, Hyderabad
- Dr. Sreekrum Reddy: Consultant Ophthalmologist, Apollo Hospitals, Hyderabad
- Dr. Rajagopal: Consultant Urologist, Apollo Hospitals, Hyderabad
- Dr. John Stanley: EMO, Apollo Hospitals, Hyderabad
- Dr. Manoj Agarwal: Consultant Cardiologist, Apollo Hospitals, Hyderabad
- Dr. Somashekhar Reddy: Consultant Orthopaedician, Apollo Hospitals, Hyderabad
- Dr. R.N. Mehrotra: Consultant Endocrinologist, Apollo Hospitals, Hyderabad
- Dr. Shekhar Reddy: Consultant Anesthetist, Apollo Hospitals, Hyderabad
- Dr. Sridhar: Consultant Cardiologist, Apollo Hospitals, Hyderabad
- Dr. Keshav: Consultant Physiotherapist, Apollo Hospitals, Hyderabad
- Dr. Suprada: Consultant Physiotherapist, Apollo Hospitals, Hyderabad
- Dr. M.V. Reddy: Consultant Orthopaedics Surgeon, KIMS Hospital
- Dr. Karuna Chaturvedi: HOD, Dept of Dietetics, Apollo Hospitals, New Delhi
- Dr. Ambirish Mittal: Senior Consultant - Dept of Endocrinology
- Dr. Priyadarshini Pal Singh: HOD, Emergency Dept, Apollo Hospitals, New Delhi
- Dr. Sudha Kansal: Senior Consultant - Intensive Care, Apollo Hospitals, New Delhi
- Dr. S.K. Gupta: Senior Consultant - Cardiology, Apollo Hospitals, New Delhi
- Dr. Vijaya Raj Kumari: Senior Consultant, Apollo Hospitals, New Delhi
- Dr. Imran Subhan: Consultant, EMO, Apollo Hospitals, Hyderabad
- Dr. Ketan Patel: HOD, EMO, Apollo Hospitals, Ahmedabad
Course Duration: One year (12 months) – 3 months online study and 9 months of contact program at Accredited Hospitals.

Eligibility Requirements: MBBS degree with MCI registration.

Selection Criteria: Those fulfilling the eligibility criterion will be called for a personal/telephonic interview following which the admission list will be drawn.

Course Objectives

- To understand the organization of Emergency Medical Services.
- To establish and maintain clinical knowledge, skills and attitudes necessary to quickly assess and manage emergencies.
- To perform a complete and appropriate assessment of acutely ill patients, i.e. a well-organized history and physical examination.
- To select appropriate investigations, including laboratory and diagnostic imaging, with careful attention to patient safety, diagnostic utility and cost, and interpret the results accurately and within their clinical context.
- Differential diagnosis of common illnesses presenting to emergency department.
- To be familiar with the equipment and drugs used in emergencies and use therapeutic interventions in a safe, effective, appropriate and timely manner.
- Demonstrate proficient and appropriate use of procedural skills, both diagnostic and therapeutic.
- Learning to establish good patient-doctor relationships in the acute care settings.

Clinical Postings

During the 9 months contact program the candidates will be posted with emergency departments in the accredited hospitals to gain a first hand experience under the expertise of trained Emergency Medicine specialists.

Assessment

Internal Assessment

Online module wise internal assessments. Minimum percentage required is 60% in the first two modules to be eligible for the 9-months contact program at any one of the Accredited Apollo Hospitals Centers.
Final Examination

1) Paper I - Theory (100 marks)
2) Paper II - MCQs (200 marks)

Note: To be eligible for the final examination the candidate should have successfully cleared all the internal assessments and completed the contact program.

Viva

To be conducted by a panel consisting of The Royal Liverpool Academy representative, an internal examiner and an external examiner. The Royal Liverpool Academy representative would be the overall assessor and accreditor.

Criteria for Certification

- Successful completion of final exam
- Minimum Attendance of 90% in theory & clinical sessions
- Completion of Log Book

CURRICULUM

1. Emergency Medicine Department
2. Airway Management
3. Cardiac Emergencies
4. Management of Shock
5. Neurological Emergencies
6. Respiratory Emergencies
7. Surgical Emergencies
8. Orthopedic Emergencies
9. Trauma Emergencies
10. Obstetric and Gynecologic Emergencies
11. Pediatric Emergencies
12. Wound Assessment and Management
13. Local Anesthetics and Anesthesia
14. Analgesia in Emergency Room
15. Chronic Pain Management
16. Imaging
17. Toxicology
18. Otolaryngologic Emergencies
19. Ophthalmic Emergencies
20. Endocrine Emergencies
21. Acid Base and Electrolytes
22. Burns
23. Anaphylaxis
24. Bites and Stings
25. Envenomation
26. Dive Emergencies
27. Environment Emergencies
28. Mechanical Ventilation
29. Urogenital Emergencies
30. Transfusion Emergencies
31. Hepato Biliary Emergencies
32. Psychiatric Emergencies
33. Legal Aspects of Emergency

SUCCESSFUL CANDIDATES TO RECEIVE DIPLOMA IN EMERGENCY MEDICINE JOINTLY FROM THE ROYAL LIVERPOOL ACADEMY & AHERF
Other Medvarsity Courses

- Diploma in Family Medicine
- Fellowship in Intensive care Medicine
- Fellowship in Dialysis
- PG Certificate Course in Accident & Emergency Medicine
- Certificate course in Cardiac Emergencies
- Certificate course in management of Diabetes
- Certificate course in Medical Tourism
- Certificate course in ECG
- International Postgraduate Pediatric Certificate
- PG Diploma in Hospital Administration
- PG Diploma in Healthcare Operations Management
- Advanced Certificate Program in Emergence Medical services
- Diploma in Health Insurance
- Diploma in Clinical Counseling
- Diploma in Healthcare Informatics
- Diploma in Pharmacovigilance
- PG Diploma in Clinical Research
- Fellowship in Sports Rehabilitation
- Fellowship in Orthopedic Rehabilitation
- Fellowship in Cardiac Rehabilitation
- Fellowship in Neurological Rehabilitation
- Fellowship in Respiratory Therapy
- PG Diploma in Medical Cosmetology
- PG Diploma in Dietetics & Clinical Nutrition
- Certificate Course in Infection control for Healthcare Professionals
- Certificate Course in Healthcare Quality Management
- Advanced Certificate Course in Nursing Administration
- Advanced Certificate Course in Cardiac Nursing
- Advanced Certificate Course in Critical Care Nursing
- Advanced Certificate Course in Surgical Nursing
- Advanced Certificate Course in Cancer and Palliative Nursing

For details please log on to www.medvarsity.com