



.Dr. Maheswari E has completed M. Pharm (Pharmacy Practice) in 2003 at K. M. College of Pharmacy, Madurai affiliated to The Tamil Nadu Dr. MGR Medical University. She was honoured with doctorate (Pharmaceutical Sciences) in 2013 at Sri Padmavathi Mahila Visvavidyalayam, Tirupati. She has got 13 years of teaching experience and 25 publications in national and international journals. She is currently working as Professor and Head of the Department of Pharmacy Practice, Faculty of Pharmacy, M. S. Ramaiah University of Applied Sciences. She is the life member of APTI, ACPI and IACP. She has presented her valuable research papers in many national and international conferences. She was an invited speaker for a national conference on medication error and its management and in an international conference on establishment of poison control centre.



dr. Saraswathy GR has completed M. Pharm (Pharmacy Practice) in 2003 at K. M. College of Pharmacy, Madurai affiliated to The Tamil Nadu Dr. MGR Medical University. She was honoured with doctorate (Pharmaceutical Sciences) in 2012 at Sri Padmavathi Mahila Visvavidyalayam, Tirupati. She has got 13 years of teaching experience and 30 publications in national and international journals. She is currently working as Associate Professor in the Department of Pharmacy Practice, Faculty of Pharmacy, M. S. Ramaiah University of Applied Sciences. She is the life member of APTI, ACPI and IACP. She has presented her valuable research papers in many national and international conferences. She was an invited speaker for an international conference on establishment of poison control centre.



Dr. Brunda is currently Asst. Prof in the Department of Emergency Medicine. After her masters in General Medicine from RGUHS, Dr. Brunda completed her Fellowship in Non Invasive cardiology . After being a consultant at Zion Hospital for a year, she worked in M S Ramaiah Narayana Heart Center as in charge of cardiology OPD and non invasive lab.

Event Co-ordinators

Faculty of Pharmacy, MSRUAS

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Directorate of Training & Lifelong Learning (DTLL)

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Registration Fee: Upto 25th Feb:

Student Delegate1250/-
Faculty Delegate.....1500/-

After 26th Feb till 2nd March

Student Delegate1500/-
Faculty Delegate1750/-

The spot registration desk will be open on the day of seminar, 3rd of March from 9.00am to 11.00am.


An additional 500/ will be charged for spot registration.

DD to be drawn In favour of

“MSRUAS- Faculty of Pharmacy” payable at Bengaluru

Please Download Registration Form from www.msruas.ac.in

Account Details for RTGS/NEFT Transfer

Accounts Name	Account No	IFSC Code	MICR Code
 MSRUAS Faculty of Pharmacy	Axis Bank Ltd. 914010033410631 Rajajinagar Branch	UTIB0000559	560211017



M S RAMAIAH UNIVERSITY OF APPLIED SCIENCES

Directorate of Training & Lifelong Learning

Department of Pharmacy Practice

Faculty of Pharmacy

&

Emergency Medicine Department, MSRMC

Present

Two days interactive seminar on

**“Basics of ECG Interpretation and Clinical Implication
using Interactive Simulation Application”**

3rd-4th March, 2016

Venue: Advanced Learning Centre, MSRUAS



***Learn all about the magical waves,
it speaks about your heart!***

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Introduction

The heart is depolarized with every beat, which in turn triggers heart's contraction. This electrical activity is transmitted throughout the body and can be picked up on the skin. This is the principle behind the electrocardiogram (ECG). Thus the ECG is a diagnostic tool that is routinely used to assess electrical and muscular functions of the heart and records this activity via electrodes on the skin and displays it graphically. **An ECG involves attaching 10 electrical cables to the body: one to each limb and six across the chest.** By interpreting the ECG waveforms accurately, one can identify rhythm disturbances, conduction abnormalities, and electrolyte imbalances. An ECG aids in diagnosing and monitoring many conditions like acute coronary syndromes, pericarditis and drug-induced abnormalities. To interpret an ECG correctly, one must first recognize its key components, analyse them separately to understand the heart's electrical activity. Proficiency in ECG interpretation is an essential skill for medical or pharmacy students, healthcare workers, pharmacist and clinicians..

COURSE LEARNING OBJECTIVES

After attending this program, the participants will be able to:

- ✓ Learn the basic electrophysiology of the heart
- ✓ Understand components of the ECG waveform.
- ✓ Analyze ECG rhythm by a systematic process
- ✓ Recognize common ECG dysrhythmias
- ✓ Learn the common causes and clinical implications of ECG dysrhythmias.

Who Should Attend?

Course is designed for teachers and students of Paramedical courses like Pharmacy and Nursing.

Programme Schedule:

Day 1

- Introduction to ECG
- Cardiac conduction system
- Electrical events of the heart
- Basics of ECG leads
- ECG paper analysis
- Normal ECG analysis
(determination of rate, rhythm, vector analysis, ECG axis and other ECG parameters)

Lunch break

- Normal sinus rhythm
- Sinus node dysfunction
- Atrial arrhythmias
- AV node dysfunction
- Ventricular arrhythmias
- Bundle branch blocks
- Pharmacotherapy of Arrhythmia

Day 2

- Coronary events and the ECG
- Ischemia and acute myocardial infarction
- Other ST abnormalities
- Pharmacotherapy of Ischemic heart disease
- Drug induced ECG changes

Lunch break

- ECG simulation module
- ECG interpretation workshop

Valedictory function

About Faculty of Pharmacy



The Faculty of Pharmacy (FPH) formerly, the **M.S.Ramaiah College of Pharmacy** was established in 1992. The Faculty of Pharmacy, a leading Pharmacy college in India, imparts quality pharmaceutical education to meet the growing demands of well trained health professionals in our country. The Faculty offers a 4-year Undergraduate programme leading to the Bachelor of Pharmacy degree (B. Pharm.), 2-year Postgraduate programme leading to Master of Pharmacy degree (M. Pharm.) in 9 branches, 6-year Doctor of Pharmacy degree (Pharm. D.) and also Full time and part time Doctoral research Programme (Ph.D)

Esteemed Speakers



Dr. Aruna. C. Ramesh., MD, DNB, PGDHHM, PhD Prof., HOD Emergency Medicine, MSRMC & Hospitals, Heart Rescue India, Program Director, Bangalore Dr. Aruna is the Chief of Operations, Medical Response KIAL, faculty for PGDHHM (Post graduate Diploma in Hospital and Health Management) course. IGNOU, India, is an instructor in the NTMC (National Trauma Management Course) Instructor, ITLS (International Trauma Life Support) Course Director from 2006- to date, AHA BLS & ACLS Instructor from 2010 to date, CTLS Instructor from 2013 to date. She was on the curriculum committee for certificate course in Accident, Trauma Emergency Care for RGUHS-2008 and was a steering Committee member, NDMA (National Disaster Management Authority) in March 2008-09. Dr. Aruna is the recipient of several awards from Indian Society of Anaesthesiology, Bangalore University, Directorate of Home Guards & Civil Defence, Government of Karnataka; NDMA, New Delhi. She is also the author of several publications in international, peer reviewed, indexed journals