

3/16/2018

Chennai

From

The Course Coordinator  
Introduction to First Aid, Medical Care and Emergency  
Department of Emergency & Medicine  
Sree Balaji Medical College  
Bharath Institute of Higher Education and Research,  
Chennai

To

The Dean  
Sree Balaji Medical College  
Bharath Institute of Higher Education Research,  
Chennai

**Sub:** -Permission to conduct value- added course: Introduction to First Aid, Medical Care and Emergency

Respected sir,

With reference to subject mentioned above, the Department of Emergency & Medicine proposes to conduct a value- added course titled: Introduction to First Aid, Medical Care and Emergency

We kindly solicit your kind permission to commence the program.

Warm Regards,



Course Coordinator

SREE BALAJI MEDICAL COLLEGE & HOSPITAL

CHROMPET CHENNAI -600044

Date: 3/20/2018

**R. No 130 /SBMCH/2018**

## CIRCULAR

### **Notification for Value added courses offered by the Department of Emergency & Medicine**

The **Department of Emergency & Medicine** of Sree Balaji Medical College is scheduled to offer a Value added Course on **Introduction to First Aid, Medical Care and Emergency** from 4/9/2018 for a period of 3 weeks. Interested students can approach the Head of Department of Emergency & Medicine and Course Coordinator, for registration and for further details on or before 4/4/2018.

#### **Eligibility-MBBS STUDENTS**

  
Course Coordinator  
HOD

Copy to:

Dean office

Vice Principal

Medical Superintendent

AO College

## **Introduction to First Aid, Medical Care and Emergency**

### **Course Description**

Emergency Medicine is a medical specialty which helps to provide immediate medical assistance to patients in urgent need during acute illness, injuries, and trauma and accidents. Medical emergencies always test the patience, perseverance and mental strength of a patient as well as the patient's family. Emergency medicine deals with varied patients who are presented to the emergency department at any time with multiple problems without diagnosis and appropriate information. The first few minutes of diagnosis and treatment will definitely help the patient cure an emergency condition and can revert back to a normal life gradually. It is a wonderful rotation that exposes medical professionals to a different patient population and a so variety in pathology.

### **Course Outline**

#### **Module 1 - Introduction & Overview**

- Emergency Medicine Department – Organization of EMD, Organization of Emergency MS, Disaster management
- Legal Aspects of Emergency Medicine – Introduction (Content Edited)\*\*

#### **Module 2 - Airway Management**

- Airway Management - Introduction
- Mechanical Ventilation – Introduction, Specific Modes of Ventilation, General Classes of Ventilators, Noninvasive ventilation, Weaning

#### **Module 3 - Trauma & Orthopaedics**

- Trauma Emergencies – General Approach to a Trauma Patient, Traumatic Shock, Hypovolemic Shock, Thoracic Shock, Stab Wounds, Pelvic Trauma, Genitourinary Trauma, Pediatric trauma, Trauma in Pregnancy, Penetrating & Blunt Neck Trauma
- Emergency Department Imaging – Emergency Department Sonography, Diagnostic Imaging in Emergency Medicine
- Neurology in Trauma – Management of Head Injuries, Cerebral Protection in Head Injuries, Spinal Injuries

#### **Module 4 - Orthopedic Emergencies**

- Types of Orthopedic Emergencies, Fractures, Hand and Wrist Injuries, Hand Injuries, Wrist Injuries, Forearm, Elbow, Upper Arm and Shoulder Injuries, Pelvis, Hip and Femur Injuries, Lower Leg and Ankle Injuries.
- Complications of Orthopedic Injuries, Basic Management of Orthopedic Emergencies

#### **Module 5 - Wounds & Analgesia**

- Principles of wound management, Methods of wound closure, Local and Regional anesthesia, Bedside anesthesia in emergency department and Pain management

#### **Module 6 - Medical Emergencies**

- Cardiac Emergencies: Approach To Chest Pain, Cardiogenic Shock, Congestive Cardiac Failure or Acute heart failure, Acute Coronary Syndrome, Syncope and Cardiac Arrhythmias
- Respiratory Emergencies: Acute Respiratory Failure, Asthma and Bronchial Asthma, Chronic Obstructive Pulmonary Disease (COPD), Hemoptysis, Pneumonia, Non-Cardiogenic Pulmonary Edema, Pleural Effusions and Pneumothorax, Mycobacterial Emergencies
- Endocrine Emergencies: Hypoglycemia, Diabetic Ketoacidosis, NIKH Coma (Nonketotic Hyperosmolar Coma),
- Alcoholic Ketoacidosis, Lactic Acidosis, Thyroid Storm and Myxedema Coma, Adrenal Crisis

- Neurological disorders: Altered Mental Status and GCS, CNS Infections, Stroke Emergencies, Anorexia Nervosa and Bulimia Nervosa, Panic Disorder, Depression and Suicide, Septic Shock
- Renal Emergencies: Acid Base Balance and Interpretation of Blood Gas Results, Electrolyte Disorders, Acute Renal Failure, Chronic Renal Failure, Acute kidney injury, Urinary Tract Infections, Urinary Retention
- Gastrological and Hepatic Emergencies: Inflammatory Bowel Disease, Diverticulitis, Hepatitis, Management of Acute Bleeding Esophageal Varices, Liver Cirrhosis

#### **Module 7 - Surgical Emergencies and Transfusion Emergencies**

- Surgical Emergencies: Abdominal Trauma, Acute Appendicitis, Acute Cholecystitis, Acute Pancreatitis, Anorectal Disorders- Hemorrhoids and Anal fissure, GI Foreign Bodies, Oropharyngeal Foreign Bodies, Rectal Foreign Bodies, Abdominal Aortic Aneurysm (AAA), Acute Mesenteric Ischemia [AMI], Intestinal Obstruction, Surgical Emergencies of Bowel, Genital Lesions (Content Edited)\*\*
- Transfusion Emergencies: Blood Transfusion

#### **Module 8 - Obstetric, Gynecologic Emergencies and Pediatric Emergencies**

- Pelvic Pain, Ectopic Pregnancy, Vaginal Bleeding during Pregnancy, Hypertension in Pregnancy, Emergency Delivery, Vaginitis, cervicitis and Pelvic Inflammatory Disease, Amenorrhoea, Sexual Assault
- Approach to ill Pediatric Patient, Pain, Sudden Infant Death syndrome, Ingested Foreign Bodies, Respiratory
- Tract Infections, Bronchiolitis, Pharyngitis, Epiglottitis, Pneumonia Syndrome, Otitis Media, Congenital Heart Disease, Kawasaki Disease, Bacteremia, Meningitis and sepsis, GIT Disorders, Intestinal Obstruction, Incarcerated hernia, Pyloric Stenosis, Intussusception, Seizures, Meckel's Diverticulum, Appendicitis, Status Epilepticus, Child Abuse

#### **Module 9 -Ear and Eye Emergencies**

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- Otolaryngologic Emergencies – Obstruction Due To Foreign Body, Epistaxis, Anterior Epistaxis, Posterior Epistaxis, Nasal Fracture
- Ophthalmic Emergencies – Corneal Abrasion, Glaucoma, Red Eye

#### **Module 10 - Toxicology**

- Approach to the Poisoned patient
- Antidotes commonly used in Overdoses
- Treatment of Hypotension Associated with Drug Poisoning
- Carbon Monoxide Poisoning
- Illicit Drug & Controlled Substances of Abuse
- Alcohol Withdrawal
- Digitalis Toxicity
- Calcium Channel Blocker Toxicity
- Acetaminophen Hepato-Toxicity
- Salicylate Overdose
- Tricyclic Antidepressant Overdose
- Monoamine Oxidase Inhibitor Overdose
- Arsenic Poisoning
- Cyanide Poisoning
- Iron Poisoning
- Serum Osmolality
- Ethanol Poisoning
- Ethylene Glycol Poisoning
- Poisoning Management

#### **Module 11 - Environmental Emergencies**

- Environmental Emergencies – Frost bite, Heat Exhaustion & Heat Stroke, High Altitude- Pulmonary Symptoms, High Altitude cerebral Symptoms, Hypothermia
- Burns – Chemical Burns, Electrical Burns, Lightning Burns, Thermal Burns

- Dive Emergencies – Barotrauma, Near Drowning
- Emergency Department Anaphylaxis
- Bee Sting and Insect Bites
- Bites: Animal Bites, Human Bites
- Snake Bite Emergency First Aid Information

**Course Duration: 30 Hours**

**Course coordinator : Asst Professor / Assoc Professor Department Of Emergency & Trauma Care**

S.No	Topics	Duration	Faculty
1	Introduction & Overview	2 hours	Asst Professor: Department Of Emergency & Trauma Care
2	Airway Management	2 hours	Assoc Professor Department Of Emergency & Trauma Care
3	Trauma & Orthopaedics	2 hours	Asst Professor: Department Of Emergency & Trauma Care

4	Orthopedic Emergencies	2 hours	Asst Professor: Department Of Emergency & Trauma Care
5	Wounds & Analgesia	2 hours	Assoc Professor Department Of Emergency & Trauma Care
6	Medical Emergencies	2 hours	Asst Professor Department Of Emergency & Trauma Care
7	Surgical Emergencies and Transfusion Emergencies	2 hours	Assoc Professor Department Of Emergency & Trauma Care
8	Medical Emergencies	2 hours	Asst Professor: Department Of Emergency & Trauma Care
9	Obstetric,	2 hours	Assoc



	Gynecologic Emergencies and Pediatric Emergencies		Professor Department Of Emergency & Trauma Care
10	Ear and Eye Emergencies	2 hours	Asst Professor: Department Of Emergency & Trauma Care
11	Toxicology	2 hours	Assoc Professor Department Of Emergency & Trauma Care
12	Environmental Emergencies	2 hours	Assoc Professor Department Of Emergency & Trauma Care
13	Skills lab simulations	2 hours	Asst Professor: Department Of Emergency & Trauma Care
14	Viva Voce	2 hours	Asst Professor

			Department Of Emergency & Trauma Care
15	Assessment	2 hours	Asst Professor: Department Of Emergency & Trauma Care

CORSE FEEDBACK FORM

Course Title: *Introduction to first aid, Medical care & Emergency* Date:  
Name: *Pramoath.*  
RegNo: *22.*  
Department: *Emergency Medicine*

S.NO	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1.	Objectives of the course clear to you				✓	
2.	The course contents met with your expectations					✓
3.	The lecture sequence was well planned					✓
4.	The lecturers were clear and easy to understand					✓
5.	The teaching aids were effective					✓
6.	The instructors encourage interaction and were helpful				✓	
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent )						
8.	Overall rating of the course:	1	2	3	4	5

Please give suggestion for the improvement of the course:

Weakness of the course:

Strength of the course:

  
Signature

\*\*\*Thank you\*\*\*

CORSE FEEDBACK FORM

Course Title: *Introduction to First Aid, Medical Care & Emergency* Date:

Name: *AKSHAYA DEVI K.*

RegNo:

Department: *Emergency medicine*

S.NO	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1.	Objectives of the course clear to you				✓	
2.	The course contents met with your expectations					✓
3.	The lecture sequence was well planned				✓	
4.	The lecturers were clear and easy to understand					✓
5.	The teaching aids were effective					✓
6.	The instructors encourage interaction and were helpful				✓	
7.	The level of the course				✓	
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give suggestion for the improvement of the course:

Weakness of the course:

Strength of the course: *very clear & useful.*

*Dhany*  
Signature

\*\*\*Thank you\*\*\*



**Bharath Institute of Higher Education and Research**  
**Sree Balaji Medical College & Hospital**



**Certificate**

This is to certify that Mr./Ms, ANSHIYA DEVI K has completed the value added course on Introduction to First Aid, Medical Care and Emergency conducted by Department of Emergency & Medicine at Sree Balaji Medical College & Hospital, Chennai held during 4/9/2018 to 5/1/2018.

**Dr.P.Sai Kumar MD**

Vice Principal, SBMCH

**Dr.Gunasekeran MS**

Dean, SBMCH



**Introduction to First Aid, Medical Care and Emergency****Student Name List**

SLNo.	Name
1	JMAMKHAN K
2	SARATHIKUMAR P
3	AJITH RAM P
4	FAIZAN SULTAN A H
5	KALIDAS R
6	RAJKUMAR R
7	SHARMA P
8	ABHISEK MUKHOPADHYAY
9	GAYATHRI J
10	INFAN RISHOB P
11	JASEELA MOHAMED YOUSUF
12	JAYASREE D
13	KANTHA VARSINI K
14	MIMISHA MONSON
15	NIVEDIHA V
16	REVATHI M S
17	SANDEEP B
18	SHRIJI NAYAK D
19	WAJITH ALJA
20	ABINAYA B
21	AJITH KUMAR R S
22	AJITHKUMAR V
23	ANURVA S K
24	ARAVIND R
25	ARJUN S V
26	BENAZIR M
27	BINESH PAUL T
28	DAVID SOLOMON JAMES BAYNES
29	DEEPIKA M
30	DINESH S