

**TOPICS GENERALLY COVERED IN OUR 3MONTHS
COURSE (CCCMT) FOR DOCTORS.**

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| <u>CPR</u> |
| B.L.S & Practice CPR (By computerized Manikin) |
| Intubations etc. & Practice CPR |
| A.L.S (By Manikin) |
| <u>CARDIOLOGY</u> |
| Digital & Analog ECG Technology , & Myocardial ischaemia |
| Myocardial Infraction |
| Basic ECHO & Colour Doppler |
| Orientation on invasive cardiology & Cath . lab |
| Pacemaker |
| A.C.L.S & Defibrillator |
| <u>RESPIRATOLOGY</u> |
| Mechanics of breathing |
| Applied Spirometry COPD and CO2 Narcosis |
| Oxygen therapy |
| Pulse oxymeter |
| Blood gas Analysis & Concept of Mechanical Ventilation |
| Basic Physics of a Ventilator |
| Introduction & Function of various modes of Ventilator |
| Use of Bi PAP and various devices for lung problem |
| ARDS and ALI management |
| Anesthesia Machines Technology and application. |
| <u>SPECIAL TOPICS</u> |
| Dialysis Machine & CRRT. |
| Practical class on Dialysis Machine |
| X Ray , CT , MRI |
| <u>ITU TOPICS</u> |
| Acute Pancreatitis guideline and management. |
| Sepsis in critical care |
| Role of Clinical pathology in critical care . |
| Advances in microbiology and antimicrobial Resistance in critical care |

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| Chaos and contribution of Antibiotics |
| Use of USG in ITU Set up (Diagnostic purpose) |
| Management of CVA and Head injury |
| Management of RTA |
| Nutrition & Fluid management in ITU |
| Volume & syringe infusion pump. |
| Multi Parameter Monitor & EtCO ₂ |
| Invasive pressure monitoring CVP, ABP |
| Management of Electrolyte imbalance |
| Arrhythmia & Emergency drugs used in ITU set up |
| Various Blood product used in CCU & Uncontrolled Bleeding |
| Management of poisoning patient in ITU |
| Glycemic control in emergency /& Insulin pump |
| <u>MEDICAL DOCUMENTATION AND ETHICS</u> |
| Medico-legal issues and documentation. |
| Human values in Healthcare & Medical ethics |
| Safety of Medical Equipment & Class on Calibration |