



Society for  
Emergency  
Medicine  
India

**R**  **PID**  
*revision of*  
**Basic Sciences**

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## Agenda

Hand - Nerve Anatomy	Adrenal gland physiology
Cerebral Autoregulation	Infection control practices in ED
Cardiac action potential	Procedural Sedation Drugs
Wound Healing pathophysiology	Local anesthesia toxicity
Cranial nerve examination	Shock classification and pathophysiology
visual field defects and clinical significance	Co oximetry clinical significance
Rabies post exposure prophylaxis	Adrenergic receptors
Triage Guidelines in your ED	Haldane effect
Frank Starling relationship	Lung volumes and clinical significance
Renin Angintensin Aldosterone System (RAAS)	Non invasive ventillation
Hypersensitivity Reactions	Randomised Control Trial
Lactic acidosis	Airway anatomy - Adult Vs pediatric
Vaughn William classification of antiarrhythmics	IJV and Sub clavian anatomy / venous access
Pathophysiology of Dengue	Acid Base regulation by kidney
Thrombocytopenia	Tetanus prophylaxis and pathogenesis of tetanus
Mean Arterial Pressure	Anatomical zones of the neck
Circle of Willis and clinical significance	Reversal causes and treatment in ACLS
Coagulation cascade	Oxygen Dissociation curve
Popliteal fossa and clinical significance	DKA pathophysiology
Bells palsy and Differentiate UMN and LMN lesions	Hyperkalemic effects on ECG
Grevious Injuries and Wound certificate Importance	AKI classification and Indicators for emergency dialysis
PAT in paediatrics	BURNS classification and percentage calculation
ECMO	NTproBNP clinical significance
Capnography	Basics of ECG
CSF analysis . Differentiate Viral vs bacterial meningitis	Cricothyrotomy