

CURRICULUM FOR GENERAL SURGERY

COURSE TOPIC: PRINCIPLES OF SURGERY

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Physiological response to Surgical Trauma and homeostasis	Classical concepts of homeostasis Mediators of the metabolic response to injury Physiochemical and biochemical changes Changes in body composition Avoidable factors that compound the Metabolic response to injury Optimal perioperative care	Lecture tutorial	Class test Individual assignment
2.	Wound and its Repair	Normal healing Management Disordered healing Variety of scars and their treatment	Lecture tutorial	Class test Quiz
3.	Pathophysiology and Management of Shock including fluid and electrolyte imbalance	Pathophysiology Patterns Priorities of resuscitation Use of blood and blood products Risk of blood transfusion	Lecture tutorial	Class test Individual assignment
4.	Investigation and treatment of Infections and Parasitic Infestations of surgical Importance	Determining factors Local and systemic manifestation Classification Sign and symptoms Principles of antimicrobial treatment Choice of antibiotics prophylaxis	Lecture tutorial	Class test Individual assignment

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
5.	Hemorrhage Blood Transfusion and their implications	Definition of hemorrhage and blood transfusion. Types Pathophysiology Blood and blood products Preparation of blood products and transfusion	Lecture tutorial	Class test Quiz
6	Management of Acutely injured & critically ill patients including aspiration pneumonia and embolic phenomenon	Trauma definition Types of injuries Primary and secondary survey and resuscitation Aspiration pneumonia and embolic phenomenon definition Sign and symptoms Diagnosis Treatment and prevention	Lecture tutorial	Class test Quiz
7.	Principles in the Management of common Skin and Soft Tissue problems: Ulcers, Abscesses, Sinus & Fistulae, Swellings, Embedded foreign bodies and Minor injuries	Ulcers, abscesses, sinus fistula swelling definitions Types Sign and symptoms Investigation Pathophysiology Treatment by antibiotics Treatment by surgery	Lecture tutorial	Class test Quiz
8.	Principles of Anaesthesia	Definition and classification Mechanism Stages Pre op fasting Airway assessment	Lecture tutorial	Class test Individual assignment
9.	Nutrition of surgical patients	Pre op and post op malnutrition Balance of electrolytes Assesment and management	Lecture tutorial	Class test Individual assignment

COURSE TOPIC: MEDICAL EMERGENCIES

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Polytrauma with airway difficulty and circulatory instability	Initial evaluation and intervention Intubation of trauma patient Simple airway strategy		
2.	Uncontrolled External Hemorrhage	Definition Types Primary secondary survey treatment		
3.	Patient in Hypovolumic or Septicemic Shock	Definitions Classification Differences Sign and symptoms Treatment		
4.	Tension Pneumothorax	Definition Pathophysiology Sign and symptoms treatment		
5.	Cardiac Tamponade	Definition Pathophysiology Sign and symptoms treatment		
6.	Unconscious patient due to Head Injury	Sign and symptoms, management		
7.	Patient with Gas Gangrene and Tetanus	Definitions Types Differences Sign and symptoms		

		Treatment		
8.	Burns	Depth of burn, quantity of fluid to be given, techniques, pathophysiology	Lecture tutorial	Class test Individual assignment

COURSE TOPIC: HEAD AND NECK

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Development abnormalities of palate, lip	Types, features, management	Lecture Tutorial	Class test Individual assignment
2.	Principles of management of Head Injuries and its complications	Types Management complications	Lecture Tutorial	Class test Individual assignment
3.	Diseases of Salivary glands (Inflammation, Calculus, Tumors)	Types Abnormalities Clinical features management	Lecture Tutorial	Class test Quiz
4.	Neck lumps including Lymphatics Thyroid, Parathyroid	Abnormalities Clinical features Management		Class test Quiz

COURSE TOPIC:GASTROINTESTINAL TRACT:

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Conditions Causing Acute Abdomen	Causes Clinical features Management	Lecture Tutorial	Class test Quiz

COURSE TOPIC:ABDOMINAL WALL Hernia

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Abdominal Wall Hernia	Clinical presentation management	Lecture Tutorial	Class test Quiz

COURSE TOPIC:LIVER:

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Obstructive Jaundice	Clinical features management	Lecture Tutorial	Class test Quiz
2.	Hydated cyst	Clinical features management	Lecture Tutorial	Class test Quiz

COURSE TOPIC: GALL BLADDER:

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Acute and chronic Cholecystitis	Types Clinical features management	Lecture Tutorial	Class test Individual assignment
2.	Cholelithiasis and its Complications	Clinical features Management complications	Lecture Tutorial	Class test Quiz

COURSE TOPIC: SKIN & SOFT TISSUES

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Common benign and malignant skin lesions	Causes Clinical features management	Lecture Tutorial	Class test Quiz
2.	Wounds / Ulcers / abscesses / Sinuses / Fistulae	Clinical features management	Lecture Tutorial	Class test Quiz
3.	Soft Tissue Lumps	Clinical features management	Lecture Tutorial	Class test Quiz

COURSE TOPIC: VASCULAR AND NERVE DISORDERS

S.No.	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1.	Arterial Disorders (Aneurysm & Gangren)	Causes Clinical features management	Lecture Tutorial	Class test Individual assignment
2.	Varicosities	Causes Clinical features management	Lecture Tutorial	Class test Quiz
3.	Deep venous thrombosis	Causes Sign and symptoms management	Lecture Tutorial	Class test Quiz
4.	Peripheral nerve Injuries	Clinical features management	Lecture Tutorial	Class test Quiz

Dr. Soobia Rehman
Assistant Professor
Department of Surgery
Jinnah Medical & Dental College
rehmansoobia786@gmail.com

Contact: 0300-2107177

Date: 31-May-2017