Scientific Lectures General Surgery (2nd Part) :

Module -1

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  | General Surgery | Wound healing  Surgical nutrition |  |
|  | Homeostasis : Body changes in trauma & surgery.  Disorders of surgical bleeding.  Surgical infection &Antibiotics.  Shock |  |
|  | Abdominal wall  Inguino scrotal swellings |  |
| Liver cysts and infection  Hepatic cell carcinoma  Surgery of Biliary System |  |
|  | Surgery of Pancreas  Surgery of portal hypertension |  |
|  | Jaw swelling , mouth & tongue  Surgery of Salivary glands |  |
|  | Postoperative complications |  |
|  | Burn and principles of plastic surgery  Surgery of the neck |  |
|  | Surgery of the Breast |  |
|  | Arterial Disorders  Venous Disorders  Lymphedema  Surgery of lymphatic system |  |

Scientific Lectures General Surgery (2nd Part) :

Module -1

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  | General Surgery | Skin Ulcers |  |
|  | Surgery of thyroid gland  Parathyroid glands |  |
|  | Small intestinal disorders  Appendix |  |
| Colorectal surgery |  |
|  | Pelvi-abdominal Swelling  Retroperitoneal Tumors |  |
|  | Surgery of esophagus  Stomach and Duodenum |  |
|  | Immunosuppression |  |
|  | Surgery and viral diseases |  |
|  | Amputation |  |
|  | Endocrine Surgery | 1. Surgery of Endocrine lesions of the pancreas. 2. Adrenal gland surgery. 3. Thyroid & parathyroid minimally invasive surgery. 4. Thymus gland surgery |  |

Scientific Lectures (2nd Part) :

Module -2

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  | Emergency Surgery | 1. Multi-specialized approach in E.R. 2. Thorax surgery 3. Diagnosis by imaging 4. Liver Surgery 5. Biliary tract evaluation 6. Liver parenchymal suture 7. Atypical resection of liver 8. Liver Packing 9. Emergency thoracotomy 10. Thoracotomy and suture of intercostals vessels 11. Pulmonary parenchymal repair/resection 12. Treatment of pericardial tamponade 13. Heart edge suture 14. Indications for Transplantation in liver trauma 15. Abdominal Surgery   a. a. Abdominal lesion recognition  b. b. Abdominal aorta vascular clamping   1. Pancreas and Duodenal Surgery 2. Damage Control Surgery 3. Spleen Surgery 4. Spleen vascular exploration and control 5. Splenic parenchymal suture 6. Spleen partial resection 7. Splenectomy 8. Renal exploration and vascular control    1. Kidney parenchymal suture    2. Partial kidney resection    3. Nephrectomy |  |

Scientific Lectures (2nd Part) :

Module -2

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  |  | 1. Complex pelvic trauma 2. Face trauma 3. Polytrauma Resuscitation treatment 4. Risk Management in the operating room 5. Hollow organ surgery 6. Neck surgery 7. Compartmental Abdominal syndrome 8. Nursing in polytrauma |  |
|  | Surgical Oncology | 1. Basics in Oncology   1. Periooperative management of malignant lesions 2. Surgical rules in management of malignancy 3. Esophageal carcinoma 4. Cancer of the stomach 5. Cancer of the Pancreas 6. Cancer of the colon & Rectum 7. Breast cancer 8. Cancer & precursor lesions of the uterine cervix 9. Gynecologic Cancer 10. Cancer of the Prostate 11. Non-Prostate tumors Genito-urinary cancer 12. Tumors of central nervous system 13. Soft tissue sarcomas 14. Lymphomas. |  |

Scientific Lectures (2nd Part) :

Module -2

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  |  | 1. The Leukemias 2. Pediatric malignancies 3. AIDS-Related malignancies 4. Cancer in the Elderly 5. Oncological Emergencies 6. Pain management 7. Nutrition and malignancy 8. Rehabilitation of the cancer patient 9. Quality of life in Oncology |  |

Scientific Lectures (2nd Part) :

Module -3

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  | Plastic Surgery | 1. Basic Techniques    1. Wound Care    2. Free skin grafts    3. Flaps 2. Surgical applications 3. Hypertrophic scars & Keloids 4. Radiation injury 5. Pressure sore management 6. Hand Surgery 7. Surgery of the eyelids 8. Limb trauma   g) Maxillofacial injuries. |  |
|  | Breast Surgery | Breast assessment  Benign conditions  Breast cancer |  |
|  | Pediatric Surgery | Abdominal Pain  Intussusceptions  Child with vomiting  Constipation  Abdominal wall conditions  Child with groin conditions  Urological conditions  Head and neck swellings  Abdominal Trauma |  |

Scientific Lectures (2nd Part) :

Module -3

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| --- | --- | --- | --- |
| **Date** | **Title** | | **Supervisor's signature** |
|  | Colorectal Surgery | 1. Anorectal investigations 2. Colonoscopy and flexible sigmoidoscopy 3. Inherited bowel cancer 4. Colonic cancer 5. Rectal cancer 6. Adjuvant therapy for colorectal cancer 7. Anal cancer 8. Diverticular disease 9. Ulcerative colitis 10. Crohn’s disease 11. Incontinence 12. Functional problems and their surgical management 13. Sexually transmitted diseases and the anorectum 14. Laparoscopic surgery and enhanced recovery programs   (15) Intestinal failure |  |

Scientific Lectures (2nd Part) :

Module -4

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| --- | --- | --- | --- |
| **Date** |  | **Title** | **Supervisor's signature** |
|  | Vascular Surgery | 1. Arterial Disorders 2. Venous Disorders 3. Lymphatic Disorders 4. Coronary disease in peripheral vascular patients 5. The painful lower extremity 6. The swollen leg 7. The ulcerated leg 8. Femoro-popliteal-Distal bypass 9. Balloon Angioplasty 10. Carotid body tumor 11. Carotid endarterectomy 12. Ischemic abdominal pain 13. Aortic syndrome   14) Complications of arterial surgery |  |
|  | Transplantation | Access for dialysis  Organ retrieval  Renal transplantation  Paediatric renal transplantation  Pancreatic transplantation  Liver transplantation |  |

Elective Course

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| **Title** |
| [A] Stem Cell Therapy   1. [Current treatments](http://en.wikipedia.org/wiki/Stem-cell_therapy#Current_treatments) 2. [Potential treatments](http://en.wikipedia.org/wiki/Stem-cell_therapy#Potential_treatments)    1. [Brain damage](http://en.wikipedia.org/wiki/Stem-cell_therapy#Brain_damage)    2. [Stem Cell Technologies](http://en.wikipedia.org/wiki/Stem-cell_therapy#Stem_Cell_Technologies)    3. [Cancer](http://en.wikipedia.org/wiki/Stem-cell_therapy#Cancer)    4. [Spinal-cord injury](http://en.wikipedia.org/wiki/Stem-cell_therapy#Spinal-cord_injury)    5. [Heart damage](http://en.wikipedia.org/wiki/Stem-cell_therapy#Heart_damage)    6. [Hematopoiesis (blood-cell formation)](http://en.wikipedia.org/wiki/Stem-cell_therapy#Hematopoiesis_.28blood-cell_formation.29)    7. [Baldness](http://en.wikipedia.org/wiki/Stem-cell_therapy#Baldness)    8. [Missing teeth](http://en.wikipedia.org/wiki/Stem-cell_therapy#Missing_teeth)    9. [Deafness](http://en.wikipedia.org/wiki/Stem-cell_therapy#Deafness)    10. [Blindness and vision impairment](http://en.wikipedia.org/wiki/Stem-cell_therapy#Blindness_and_vision_impairment)    11. [Amyotrophic lateral sclerosis](http://en.wikipedia.org/wiki/Stem-cell_therapy#Amyotrophic_lateral_sclerosis)    12. [Graft vs. host disease and Crohn's disease](http://en.wikipedia.org/wiki/Stem-cell_therapy#Graft_vs._host_disease_and_Crohn.27s_disease)    13. [Neural and behavioral birth defects](http://en.wikipedia.org/wiki/Stem-cell_therapy#Neural_and_behavioral_birth_defects)    14. [Diabetes](http://en.wikipedia.org/wiki/Stem-cell_therapy#Diabetes)    15. [Transplantation](http://en.wikipedia.org/wiki/Stem-cell_therapy#Transplantation)    16. [Stem cell educator therapy](http://en.wikipedia.org/wiki/Stem-cell_therapy#Stem_cell_educator_therapy)    17. [Orthopaedics](http://en.wikipedia.org/wiki/Stem-cell_therapy#Orthopaedics)    18. [Wound healing](http://en.wikipedia.org/wiki/Stem-cell_therapy#Wound_healing)    19. [Infertility](http://en.wikipedia.org/wiki/Stem-cell_therapy#Infertility) 3. [Clinical trials](http://en.wikipedia.org/wiki/Stem-cell_therapy#Clinical_trials) 4. Stem cell use in animals |

Elective Course

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| **Title** |
| B] Micro vascular Surgery   1. Free tissue transfere 2. Replantation 3. Transplantation |
| C] Advanced Laparoscopic Surgery  *Laparoscopic Gastrostomy and Feeding Jejunostomy placement Laparoscopic Inguinal and Incisional Herniorrhaphy Laparoscopic Bariatric Procedures Laparoscopic Anti-reflux/esophageal Procedures Laparoscopic Enterolysis Laparoscopic Small and Large Bowel procedures Laparoscopic Renal and Adrenal surgery Laparoscopic Donor Nephrectomy Laparoscopic Splenectomy* |
| D- Advanced Trauma Operative Management  -The Trauma laparotomy.  - Injuries of the spleen and diaphragm.  - Injuries of the liver.  - Injuries of the duodenum and pancreas.  - Genitourinary Injuries.  - Cardiac and vascular Injuries. |

Elective Course

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| **Title** |
| [E] Bariatric Surgery  [1- Indications](http://en.wikipedia.org/wiki/Bariatric_surgery#Indications)  [2- Classification of surgical procedures](http://en.wikipedia.org/wiki/Bariatric_surgery#Classification_of_surgical_procedures)  [Predominantly malabsorptive procedures](http://en.wikipedia.org/wiki/Bariatric_surgery#Predominantly_malabsorptive_procedures)  [Biliopancreatic diversion](http://en.wikipedia.org/wiki/Bariatric_surgery#Biliopancreatic_diversion)  [Jejunoileal bypass](http://en.wikipedia.org/wiki/Bariatric_surgery#Jejunoileal_bypass)  [Endoluminal sleeve](http://en.wikipedia.org/wiki/Bariatric_surgery#Endoluminal_sleeve)  [Predominantly restrictive procedures](http://en.wikipedia.org/wiki/Bariatric_surgery#Predominantly_restrictive_procedures)  [Vertical banded gastroplasty](http://en.wikipedia.org/wiki/Bariatric_surgery#Vertical_banded_gastroplasty)  [Adjustable gastric band](http://en.wikipedia.org/wiki/Bariatric_surgery#Adjustable_gastric_band)  [Sleeve gastrectomy](http://en.wikipedia.org/wiki/Bariatric_surgery#Sleeve_gastrectomy)  [Intragastric balloon (gastric balloon)](http://en.wikipedia.org/wiki/Bariatric_surgery#Intragastric_balloon_.28gastric_balloon.29)  [Gastric Plication](http://en.wikipedia.org/wiki/Bariatric_surgery#Gastric_Plication)  [Mixed procedures](http://en.wikipedia.org/wiki/Bariatric_surgery#Mixed_procedures)  [Gastric bypass surgery](http://en.wikipedia.org/wiki/Bariatric_surgery#Gastric_bypass_surgery)  [Sleeve gastrectomy with duodenal switch](http://en.wikipedia.org/wiki/Bariatric_surgery#Sleeve_gastrectomy_with_duodenal_switch)  [Implantable gastric stimulation](http://en.wikipedia.org/wiki/Bariatric_surgery#Implantable_gastric_stimulation)  [3- Eating after bariatric surgery](http://en.wikipedia.org/wiki/Bariatric_surgery#Eating_after_bariatric_surgery)  [Fluid recommendations](http://en.wikipedia.org/wiki/Bariatric_surgery#Fluid_recommendations)  [4- Effectiveness of surgery](http://en.wikipedia.org/wiki/Bariatric_surgery#Effectiveness_of_surgery)  [Weight loss](http://en.wikipedia.org/wiki/Bariatric_surgery#Weight_loss)  [Reduced mortality and morbidity](http://en.wikipedia.org/wiki/Bariatric_surgery#Reduced_mortality_and_morbidity)  [5- Adverse effects](http://en.wikipedia.org/wiki/Bariatric_surgery#Adverse_effects) |

Elective Course

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| **Title** |
| ***[F} Head and Neck Reconstruction***  1. How do we plan for your head & neck reconstruction? 2. Local Flaps 3. Types of free flaps 4. Radial free flap 5. Fibula free flap 6. Paramedian Forehead Flap |
| [G] Statistics and Research methodology  [1 Scope](http://en.wikipedia.org/wiki/Statistics#Scope)  [2 History](http://en.wikipedia.org/wiki/Statistics#History)  [3 Overview](http://en.wikipedia.org/wiki/Statistics#Overview)  [4 Statistical methods](http://en.wikipedia.org/wiki/Statistics#Statistical_methods)  [4.1 Experimental and observational studies](http://en.wikipedia.org/wiki/Statistics#Experimental_and_observational_studies)  [4.2 Levels of measurement](http://en.wikipedia.org/wiki/Statistics#Levels_of_measurement)  [4.3 Key terms used in statistics](http://en.wikipedia.org/wiki/Statistics#Key_terms_used_in_statistics)  [4.4 Examples](http://en.wikipedia.org/wiki/Statistics#Examples)  [5 Specialized disciplines](http://en.wikipedia.org/wiki/Statistics#Specialized_disciplines)  [6 Statistical computing](http://en.wikipedia.org/wiki/Statistics#Statistical_computing)  [7 Misuse](http://en.wikipedia.org/wiki/Statistics#Misuse)  [8 Statistics applied to mathematics or the arts](http://en.wikipedia.org/wiki/Statistics#Statistics_applied_to_mathematics_or_the_arts) |