Scientific Lectures General Surgery (2nd Part) :

Module -1

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| --- | --- | --- |
|  **Date** |  **Title** | **Supervisor's signature** |
|  | General Surgery | Wound healingSurgical nutrition |  |
|  | Homeostasis : Body changes in trauma & surgery.Disorders of surgical bleeding.Surgical infection &Antibiotics.Shock |  |
|  | Abdominal wallInguino scrotal swellings |  |
| Liver cysts and infectionHepatic cell carcinomaSurgery of Biliary System |  |
|  | Surgery of PancreasSurgery of portal hypertension |  |
|  | Jaw swelling , mouth & tongueSurgery of Salivary glands |  |
|  | Postoperative complications |  |
|  | Burn and principles of plastic surgerySurgery of the neck |  |
|  | Surgery of the Breast |  |
|  | Arterial DisordersVenous DisordersLymphedemaSurgery of lymphatic system |  |

Scientific Lectures General Surgery (2nd Part) :

Module -1

|  |  |  |
| --- | --- | --- |
|  **Date** |  **Title** | **Supervisor's signature** |
|  | General Surgery | Skin Ulcers |  |
|  | Surgery of thyroid glandParathyroid glands |  |
|  | Small intestinal disordersAppendix |  |
| Colorectal surgery |  |
|  | Pelvi-abdominal SwellingRetroperitoneal Tumors |  |
|  | Surgery of esophagusStomach 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
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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 recognitionb. b. Abdominal aorta vascular clamping1. 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
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Scientific Lectures (2nd Part) :

Module -2

|  |  |  |
| --- | --- | --- |
|  **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 Oncology1. 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.
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Scientific Lectures (2nd Part) :

Module -2

|  |  |  |
| --- | --- | --- |
|  **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
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Scientific Lectures (2nd Part) :

Module -3

|  |  |  |
| --- | --- | --- |
|  **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 assessmentBenign conditionsBreast cancer |  |
|  | Pediatric Surgery | Abdominal PainIntussusceptionsChild with vomitingConstipationAbdominal wall conditionsChild with groin conditionsUrological conditions Head and neck swellingsAbdominal 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 dialysisOrgan retrievalRenal transplantationPaediatric renal transplantationPancreatic transplantationLiver transplantation |  |

Elective Course

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|  **Title** |
| [A] Stem Cell Therapy1. [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
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Elective Course

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|  **Title** |
| B] Micro vascular Surgery1. Free tissue transfere
2. Replantation
3. Transplantation
 |
| C] Advanced Laparoscopic Surgery*Laparoscopic Gastrostomy and Feeding Jejunostomy placementLaparoscopic Inguinal and Incisional HerniorrhaphyLaparoscopic Bariatric ProceduresLaparoscopic Anti-reflux/esophageal ProceduresLaparoscopic EnterolysisLaparoscopic Small and Large Bowel proceduresLaparoscopic Renal and Adrenal surgeryLaparoscopic Donor NephrectomyLaparoscopic 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) |