

Tanta University

Faculty of Medicine

Plastic and Reconstructive Surgery Department

Doctorate Degree in Plastic Surgery

Componentes :

Students should fulfill the designated number of credit hours, including theoretical teaching and clinical training in general and special plastic surgery:

- a. Lectures :
- b. Clinical training: including:
 - Operation room activities: 5 hours weekly
 - Outpatient clinic: 3 hours weekly
 - Clinical rounds: 2 hours weekly
- c. Seminars and group discussion
- d. Experimental work and skill lab

Thesis: it is done in an innovated subject in the field of plastic, reconstructive surgery.

Institutional educational objectives:

- 1- Teaching and training in medicine and surgery
- 2- Treatment of patients
- 3- Research
- 4- Community medicine

Departmental educational objectives:

- 1- Teaching the basic and advanced trends in plastic surgery
- 2- Training in plastic, reconstructive and burn surgical problems
- 3- Application of knowledge in raising the standard of health service in our country
- 4- Research in the field of plastic surgery

Course objectives:

By the end of this course the candidate should be able to:

- 1- Do the minor and major plastic surgical procedures
- 2- Evaluate and manage patients subjected to plastic surgery
- 3- Follow these patients after operation in ICU and in ward
- 4- Teach the medical student in the final year
- 5- Conduct research activity in the field of plastic, reconstructive and burn surgery
- 6- Communicate with the same specialty both national and international
- 7- Pass the final M.D. exam in the plastic surgery

Learning resources:

• **Books :**

McCarthy textbook plastic surgery

Plastic and reconstructive and maxillofacial surgery

Grab and Smith of plastic surgery

Millard textbook of plastic surgery

Microsurgery Hari and Serafin

• **Magazines:**

Plastic reconstructive surgery

British J. of plastic surgery

Aesthetic plastic surgery

Clinics plastic surgery

Burn

Scandinavian J. of plastic surgery

Burn care rehabilitation

• **Links to other courses by other universities:**

Microsurgery course of Zagazig University

Maxillofacial instructional courses

Rhinoplasty courses

Maxillofacial course of SORG group

Cairo and Alexandria annual meeting of ESPRS

Course Contents

1- Anatomy and Embryology for Plastic Surgery:

	Subject	Hours
	Skin anatomy, The vascular territories of the body and their clinical applications*	
	The principles of muscle and musculocutaneous flab*	
	Embryology & Surgical anatomy of upper limb	
	Embryology & Surgical anatomy of lower limb	
	Embryology & Surgical anatomy of head and neck	
	Embryology & Surgical anatomy of abdominal wall	
	Embryology & Surgical anatomy of back	
	Embryology & Surgical anatomy of chest wall	
	Embryology & Surgical anatomy of breast	
	Embryology & Surgical anatomy of external genitalia	
	Total Hours	

2- Pathology and Physiology:

	Subject	Hours
	Wound Healing	
	Skin Grafts	
	Bone And Cartilage Healing And Grafts	
	Tendon Healing And Tendon Grafting	
	Nerve Healing And Nerve Grafting	
	Tissue Expansion	
	Principles Of Craniofacial Distraction	
	Transplant Biology And Applications To Plastic Surgery	
	Skin Tumors	
	Cutaneous Vascular Anomalies	
	Head And Neck Cancer And Salivary Gland Tumors	
	Breast Cancer	
	Implant Materials	
	Local Anesthetics	
	Thermal, Chemical, And Electrical Injuries (Burns)	
	Radiation And Radiation Injuries	
	Lasers In Plastic Surgery	
	Stem Cells In Plastic Surgery	
	Chemical Peeling And Dermabrasion	
	Fluid, Electrolytes And Acid- Base Balance	
	Bleeding and transfusion	
	Postoperative pain	
	Nutrition	
	Body Response to Trauma	

3- General Surgery:

	Subject	Hours
	Professionalism in surgery	
	Surgical audit	
	Patients safety in patient care	
	Preoperative testing and operative planning	
	Infection control in surgical practice	
	Evidence-based surgery	
	One-day surgery	
	Surgical Infections	

4- General Plastic, Skin and Aesthetic Surgery

	Subject	Hours
	Psychological aspects in plastic surgery	
	Principles of microvascular surgery	
	Principles of endoscopic surgery	
	Dermatology for Plastic Surgeons	
	Mohs Micrographic Surgery	
	Congenital Melanocytic Nevi	
	Cutaneous Resurfacing: Chemical Peeling, Dermabrasion, and Laser Resurfacing	
	Filler Materials	
	Botulinum Toxin	
	Structural Fat Grafting	
	Blepharoplasty	
	Facelift	
	Forehead Lift	
	Rhinoplasty	
	Liposuction	
	Abdominoplasty and Lower Truncal Circumferential Body Contouring	
	Facial Skeletal Augmentation With Implants	
	Osseous Genioplasty	
	Hair Transplantation	

5- Head and Neck:

	Subject	Hours
	Cleft Lip and Palate	
	Nonsyndromic Craniosynostosis and Deformational Plagiocephaly	
	Craniosynostosis Syndromes	
	Craniofacial Microsomia	
	Orthognathic Surgery	
	Craniofacial Clefts and Hypertelorbitism	
	Miscellaneous Craniofacial Conditions: Fibrous Dysplasia, Moebius Syndrome, Romberg's Syndrome, Treacher Collins Syndrome, Dermoid Cyst, Neurofibromatosis	
	Otoplasty and Ear Reconstruction	
	Soft Tissue and Skeletal Injuries of the Face	
	Head and Neck Cancer and Salivary Gland Tumors	
	Skull Base Surgery	
	Craniofacial and Maxillofacial Prosthetics	
	Reconstruction of the Scalp, Calvarium, and Forehead	
	Reconstruction of the Lips	
	Reconstruction of the Cheeks	
	Nasal Reconstruction	
	Reconstruction of the Eyelids, Correction of Ptosis, and Canthoplasty	
	Facial Paralysis Reconstruction	
	Mandible Reconstruction	
	Reconstruction of Defects of the Maxilla and Skull Base	
	Reconstruction of the Oral Cavity, Pharynx, and Esophagus	

6- Breast :

	Subject	Hours
	Augmentation Mammoplasty and Its Complications	
	Mastopexy and Mastopexy Augmentation	
	Breast Reduction: Inverted-T Technique	
	Vertical Reduction Mammoplasty	
	Gynecomastia	
	Breast Cancer for the Plastic Surgeon	
	Breast Reconstruction: Prosthetic Techniques	
	Latissimus Dorsi Flap Breast Reconstruction	
	Breast Reconstruction: TRAM Flap Techniques	
	Breast Reconstruction—Free Flap Techniques	
	Nipple Reconstruction	

7- Trunk and Lower Extremity:

	Subject	Hours
	Thoracic Reconstruction	
	Abdominal Wall Reconstruction	
	Lower-Extremity Reconstruction	
	Foot and Ankle Reconstruction	
	Reconstruction of the Perineum	
	Lymphedema	
	Pressure Sores	
	Reconstruction of the Penis	

8- The Upper Extremity:

	Subject	Hours
	Plastic Surgeons and the Development of Hand Surgery	
	Principles of Upper Limb Surgery	
	Radiologic Imaging of the Hand and Wrist	
	Soft-Tissue Reconstruction of the Hand	
	Fractures and Ligamentous Injuries of the Wrist	
	Fractures, Dislocations, and Ligamentous Injuries of the Hand	
	Tendon Healing and Flexor Tendon Surgery	
	Repair of the Extensor Tendon System	
	Infections of the Upper Limb	
	Tenosynovitis	
	Compression Neuropathies in the Upper Limb and Electrophysiologic Studies	
	Thumb Reconstruction	
	Tendon Transfers	
	Congenital Hand Abnormalities	
	Dupuytren's Disease	
	Replantation in the Upper Extremity	
	Upper Limb Arthritis	
	Upper Limb Amputations and Prostheses	