

UNIVERSITY OF MUMBAI

No.UG/ 374 of 2005

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CIRCULAR :

A reference is invited to the Ordinances, Regulations and Syllabi relating to the M.Ch. degree course vide Pamphlet No.66 and the Deans of the affiliated Medical colleges and Heads recognized Institutions concerned are hereby informed that the recommendation made by the Ad-hoc Board of studies in Surgery and Allied subjects at its meeting held on 27th June, 2005 has been accepted by the Academic Council at its meeting held on 6th August, 2005 vide item No.4.1 and that in accordance therewith the syllabus for the (M.Ch.) degree course in Plastic and Re-constructive Surgery is revised as per Appendix and that the same has been brought into force with effect from the academic year 2005-2006.

Mumbai 400 032,
15th September, 2005.

for REGISTRAR.

To,

The Deans of the affiliated Medical colleges and Heads recognized Institutes concerned.

A.C.4.1/06.08.05

No.UG/ 374-A of 2005

15th September, 2005.

Copy forwarded with Compliments for information to :-

- 1)The Dean, Faculty of Medicine.
- 2)The Chairman, Ad-hoc Board of Studies in Surgery and Allied.

for REGISTRAR.

Copy for information to :-

The Director, Board of College and University Development, Deputy Registrar (Eligibility and Migration)/the Personal Assistants to the Vice-Chancellor, the Pro-Vice-Chancellor, the Registrar and the Assistant Registrar, Administrative Sub-Centre, Panagiri.

Director-Controller of Examinations (10 copies), The Finance and Accounts Officer, Accounts Section, Fort (2 copies), Director (U.C.C., I.D.E. Bldg., Vidyanagari Campus), The Deputy Registrar, A.A. Unit, (2 copies), D.R.(E.A.U.) (1 copy). They are requested to treat this as Action taken report on the concerned resolution adopted by the Academic Council/Management Council referred to in the above Circular; and that the A.T.R. will be sent in this connection. Accounts Section, Vidyanagari, Kalina (2 copies), Record Section (5 copies) Publication Section (5 copies), CONCOL (2 copies), R. Enrollment (2 copies), In-charge, Central Computing Facility (1 copy), D.R. (10 copies), D. R. Statistical Unit (2 copies), D.R.(P.R.O.) (2 copies), Superintendent, P. G. Section (2 copies).



UNIVERSITY OF MUMBAI

Revised Syllabus

for

M.Ch. degree in

Plastic & Reconstructive Surgery

(with effect from the academic year 2005-2006)

UNIVERSITY OF MUMBAI

Revised Syllabus for M.Ch. degree in Plastic and Reconstructive Surgery

Basic Science

Embryology and development of human tissues
Genetics and congenital abnormalities
Mechanism of healing of tissues, factors affecting the healing
Infection and its management
General Principles of Surgery
The suture materials and suture techniques
Clinical examination of various systems and clinical photography
General anesthesia, pre and post operative care for general anesthesia
Local, regional and other nerve blocks
Hypotensive and hypothermic anesthesia
Management of benign and malignant lesions
Wound healing, wound care, dressings and splints
Fluid and electrolyte balance, acid base balance
Shock and pulmonary failure, blood transfusions, ventilatory support and critical care
Assessment of trauma, vascular emergencies, embolism

General topics

History of Plastic Surgery
Scope of Plastic Surgery
Tissue distortion, tissue loss and its management
Tissue culture, Transplantation biology and its applications
Plastic Surgery instruments and equipments
Maintenance of medical records, informed consent
Application of computer and related programs
Social, psychological, ethical and medico legal aspects, communication skills
Implants, orthotics and prosthesis as applied to plastic surgery
Tissue expansion and tissue distraction
Management of Leprosy, leprosy, leprosy deformities and leprosy reconstructive surgery
Endoscopic plastic surgery
Advances, recent advances and current trends in plastic surgery
Principles of surgical audit, understanding journal and review articles, text books and reference books, critical assessment of articles
Research methodology and biostatistics
Venous malformations, varicose veins, chronic venous insufficiency

Meningomyelocele, encaphalocoele, spinal fusion defects, ventral defects, anorectal anomalies

Principal aspects of plastic surgery

Skin

Anatomy and Functions of Skin

Diseases and other conditions affecting skin

Skin grafts, its take and behaviour

Scars, unstable scars and scar contracture

Hypertrophic scars and keloids

Flaps, anatomy and physiology, classification and applications

Pedicled skin flaps and tube pedicle

Head and Neck

Embryology, anatomy, growth and development of face and facial skeleton

Structure and development of teeth

Temporomandibular joint and its dysfunction

Fractures of facial skeleton, management, sequel and subsequent surgery

Reconstruction of ear, eyelid, lip, nose, cheek and soft tissues of face

Congenital deformities of face and syndromes

Cleft lip and palate, embryogenesis, management, orthodontics, velopharyngeal incompetence and speech therapy

Craniofacial abnormalities, clefts, syndromes, microsomia, synostosis and hypertelorism

Ptosis of eyelids

Facial Paralysis

Orthognathic surgery

Surgery of neck associated with congenital and acquired deformities

Rhinoplasty corrective, aesthetic and reconstructive

Benign and malignant lesions and tumors of head and neck, tumor biology, management including chemotherapy, adjuvant therapy and radiotherapy

Reconstruction of mandible, maxilla and other bony defects

Prosthetic rehabilitation

Reconstruction of upper aerodigestive system

Trunk

Congenital and acquired defects of thorax and abdomen and its reconstruction

Decubitus ulcers and its management



Reconstruction of full thickness defects of thorax and abdomen

Lower extremity

Anatomy and biomechanics of locomotor system

Functional anatomy of foot

Congenital and acquired deformities of lower extremity

Management of tissue defects following trauma

Lymphoedema

Genitourinary

Embryology and anatomy of the male and female genitourinary system and genitalia, undescended testis,

Hypospadias, epispadias and ectopia vesicae, urinary diversion

Reconstruction of external genitalia

Vaginoplasty

Intersex

Intersex

Infertility, vasectomy, tuboplasty, reconstruction

Hand

Embryology and anatomy of hand and upper extremity

Clinical examination of hand and general principles of hand surgery

Acute hand injuries

Tendon injuries

Nerve injuries

Brachial plexus injuries

Fractures and dislocations of hand

Injuries and disorders of nail

Electro diagnostic tests

Ischemic conditions and vasospastic disorders

Nerve compression syndromes

Surgery of spastic and tetraplegic hand

Infections and diseases of hand and its management

Congenital abnormalities of hand and its management

Tendon transfers

Lymphoedema

Benign and malignant tumors of hand

Rehabilitation of hand, physiotherapy, occupation therapy, splintage and

prosthesis

Rheumatoid arthritis

Digital malformations, tumors

Reconstruction of thumb



Reconstruction of mutilated hand

Innervated flaps

Micro-surgery

Principles of micro-surgery, micro vascular surgery and its application

Replantations and revascularisation surgery

Microvascular tissue transfer

Burns

Thermal, Electrical, Chemical, Radiation, Burns

Burns shock, pathophysiology, treatment, wound care, nutrition, sequel

Post burn contractures, deformities and its management

5 Tangential excision, skin cover, allograft, homograft, xenograft and its applications in burns

Planning for burns care in disaster

Organisation of Burns Care Unit

Rehabilitation following burns, psychological and social impact

Aesthetic Surgery

Chemical peeling, dermabrasion, laser treatment

Blepharoplasty

Surgery of ageing face

Body contouring, liposuction, abdominoplasty, hernioplasty

Reduction and augmentation mammoplasty

Hair transplant

Orthognathic aesthetic surgery

