

Third B.O.Th. Year

302. SURGERY

A- General & Ophthalmology 80 hrs (50 theory + 30 clinical)

B- ENT & Gynecology 80 hrs (50 theory + 30 clinical)

Total hours - 160

Total Marks -100 (Theory 70, Internal Assessment -30)

COURSE OBJECTIVES:

Student should be able to fulfill with 75% accuracy as measured by written evaluation the following objectives. They should be able to evaluate common surgical conditions that are routinely seen by occupational therapist.

Section — I

A . General surgery

- 1) Describe classification of wound, stages of healing & their treatment
- 2) Describe importance of water — electrolyte balance in shock & hemorrhage & describe classification of shock in brief.
- 3) Describe acute & chronic infections of wound, ulcers, cysts & abscesses their clinical features and complications with brief knowledge of their management.
- 4) Explain in brief pre & postoperative management & its importance.
- 5) Describe in brief various surgeries of head & neck their indications, and complications.
- 6) Also explain indications for various surgeries of alimentary system and their post operative management.
- 7) Explain causes of burns, various classification their medical & surgical management with role of Burns rehabilitation team.
- 8) Describe indications & causes of amputation, criteria for selection of site of amputation and pre & post operative management.
- 9) Explain in brief classification of tumours, clinical features and their pre & post operative management. Post operative management of mastectomy.
- 10) Describe the etiological & anatomical classification of head injuries, their clinical features a management.
- 11) Describe various Hand injuries, their surgical & post operative management with complications,(including tendon injuries and nerve injuries, tendontransfers)
- 12) Explain various skin grafts & flaps, their classification, criteria for selection and post operative management
- 13) Explain in brief various indications for cosmetic surgery, keloid and hyperirrophic scar, their preoperative surgical & post operative management.
- 14) Describe in brief new techniques in micro vascular surgeries their advantages and management

- 15) Describe common congenital and childhood disorders such as hydrocephalous, spina bifid their clinical features complications and their surgical management with postoperative care.
- 16) Describe first aid management of spinal cord injury and its importance and implications.
- 17) Classify and describe signs and symptoms of spinal & intra-cranial tumours
- 18) Describe brief pathology, clinical features the indications, various operative procedures of surgery of cardiac and respiratory conditions and explain pre & post surgical management.
- 19) Describe problems of ear, nose throat and their management in brief U.R.T. infections, tracheotomy, 7th & 8th nerve palsy, vertigo & dysphasia.
- 20) Describe common ophthalmologic condition in brief and their management (diseases of conjunctiva, cataract, optic nerve tumors, keratoplasty & eye donation)
- 21) Describe common obstetrical and gynecological! conditions and their management in brief.

COURSE CONTENTS

A- GENERAL SURGERY:

- 1) Wounds classification, healing process and principles of treatment.
- 2) Haemorrhage, shock water & Electrolyte imbalance, effect of anesthesia and surgical traum
- 3) Infectious: acute and chronic, signs, symptoms and complications.
- 4) Preoperative and post operative management
- 5) Head & neck alimentary system
- 6) Burns: causes, classification & management.
- 7) Amputations: indications, site of election, management.
- 8) Tumours: classification & management, radical mastectomy and management.
- 9) Head injury : types, clinical features and management.
- 10) Hand injuries and tendon transfers, skin grafts & flaps, classification, criteria for selection, indications for management of cosmetic surgery, keloid and scar management, micro vascular surgery.
- 11) Congenital & child hood disorders: Hydrocephalus, Spinabifida
- 12) First aid management of spinal cord injury.
- 13) Intracranial tumours, : classification, signs & symptoms
- 14) Pathology, clinical features, and criteria for surgical intervention of cardio-respiratory disorders. Post operative complications and management in thoracotomy, thoracoplasty, bobectomy, pneumonectomy, decortication, CABG, valvular surgery, congenital heart disease surgeries, surgery for peripheral vascular disease.

Ophthalmology:

- 1) Common eye disease, including refraction, errors, conjunctivitis & trachoma,
- 2) Cataract & Glaucoma
- 3) Squint & Ptosis
- 4) eye lesion in leprosy including cause, treatment & complication of Lagophthalmos.
- 5) Definition of blindness, & visual evaluation, investigation / investigative procedure used for testing visual failures
- 6) cause, clinical feature & treatment of disorder of ocular movement occurring in myasthenia gravis, lower motor neuron Disease.

B- ENT & Gynecology :

ENT

1. General introduction to disease of ENT emphasis on “ otitis Media “, Bell’, sinusitis, rhinitis,
2. Mastoid Surgery
3. Anatomy & physiology of Hearing & the use of audiometry in assessment of Hearing, out line only.
4. Larynx & associated functional paralysis with Tracheotomy & care of Tracheostomy.
5. causes of Hearing loss, conservative & surgical intervention including types & audibility of hearing aid.

Gynecology :-

- 1) High risk pregnancy.
- 2) Medical Termination of pregnancy(MTP).
- 3) Musculoskeletal disorder during pregnancy.
- 4) Child birth complication, investigation & Management.
- 5) Puberty.
- 6) Physiological changes during pregnancy & post part.(out line only)

Books recommended:

- 1) Nan: Undergraduate Surgery
- 2) Bailey & Love’s Short practice of surgery