



## OBJECTIVES OF TRAINING IN PLASTIC SURGERY

### I. General Principles and Procedures

- a. *History of Plastic Surgery*
- b. *Basic science related to plastic surgery*
- c. *Basic principles*
  - i. Acute trauma life support (ATLS)
  - ii. Burns
  - iii. Trauma management
  - iv. Oncological management
  - v. Congenital malformations
  - vi. Wounds
- d. *Wound healing*
  - i. Wound closure
  - ii. Debridement
  - iii. Complications (haematoma, seroma, infection)
  - iv. Management of necrotizing fasciitis
  - v. Chronic wounds including pressure sores
- e. *Tissue transplantation*
- f. *Vascular territories of the body*
- g. *Principles of flap surgery*
- h. *Microsurgery*
  - i. Free flaps
  - ii. Replantation and revascularisation
  - iii. Peripheral nerve surgery
- i. *Laser treatment*
- j. *Implants*
- k. *Burn management*
  - i. Thermal, chemical, electrical and radiation injury

- ii. Burn resuscitation
- iii. Burn surgery

*New developments e. g. Tissue engineering, Lipoplastic procedures*

## II. Head and Neck

### a. Congenital

- i. Cleft lip/palate
- ii. Prominent ears
- iii. Microtia
- iv. Craniofacial syndromes
- v. Other

### b. Traumatic / Acquired

- i. Soft tissue injuries
  1. Amputations (ear, nose, lids, lip, eyebrow, scalp)
  2. Nerve lesions/defects
  3. Complex composite defects (ear, nose, lids, lips, eyebrow)
  4. Scalp defects
- ii. Bony injuries
  1. Facial fractures
  2. Nose fractures

### c. Neoplastic

- i. Soft tissue
- ii. Bone
- iii. Lip and upper aero-digestive tumours

### d. Other

- i. Facial palsy

## III. Chest and Breast

### a. Congenital

- i. Asymmetry of the breast including Poland syndrome
- ii. Tuberous breast
- iii. Pectus excavatum /carinatum

### b. Traumatic / Acquired

### c. Neoplastic

- i. Surgical breast cancer treatment
- ii. Breast reconstruction
- iii. Sentinel lymph node procedure / axillary dissection

- iv. Soft tissue tumours
- v. Chest wall reconstruction
- d. *Other*
  - i. Hypertrophic breasts
  - ii. Gynaecomastia

#### **IV. Trunk and Abdomen, Genitalia**

- a. *Congenital*
  - i. Hypospadias and epispadias
  - ii. Female genital anomalies
  - iii. Spina bifida
  - iv. Other
- b. *Traumatic / Acquired*
  - i. Abdominal wall
  - ii. Lumbar, sacral and buttock
  - iii. Genital
- c. *Neoplastic*
  - i. Vulvar and vaginal tumours
  - ii. Penile tumours
  - iii. Soft tissue tumours
- d. *Other e.g.*
  - i. Gender reassignment
  - ii. Peyronie's disease

#### **V. Upper Extremity including Hand**

- a. *Congenital e.g.*
  - Syndactyly, polydactyly
- b. *Traumatic / Acquired*
  - i. Tendon
  - ii. Bone
  - iii. Joints and ligaments
  - iv. Soft tissue
  - v. Peripheral nerves including brachial plexus
  - vi. Functional muscle and tendon transfers
  - vii. Amputation and replantation
  - viii. Thumb and finger reconstruction
  - ix. Compartment syndrome
  - x. Arthrosis and arthritis

- xi. Wrist instability
  - xii. Lymphoedema
- c. *Neoplastic*
- i. Bone
  - ii. Soft tissue
- d. *Other e.g.*
- i. Dupuytren's contracture

## VI. Lower Extremity

- a. *Congenital e.g.*
- i. Syndactyly
  - ii. Constrictive bands
- b. *Traumatic / Acquired*
- i. Soft tissue
  - ii. Bone reconstruction
  - iii. Nerve
  - iv. Lymphoedema
- c. *Neoplastic*
- i. Bone
  - ii. Soft tissue

## VII. Skin and Adnexa

- a. *Congenital*
- i. Vascular anomalies
    - 1. Vascular malformations
    - 2. Haemangiomas
    - 3. Lymphangiomas
  - ii. Constrictive bands
- b. *Traumatic / Acquired*
- i. Acute and chronic wounds
  - ii. Correction of scars
- c. *Neoplastic*
- i. Skin tumours
  - ii. Basal cell carcinoma
  - iii. Malignant melanoma

- iv. Squamous cell carcinoma
- v. Other skin and adnexal tumours
- vi. Sentinel lymph node procedure and lymphadenectomy

## VIII. Aesthetic surgery

### a. Head and neck

- i. Nonsurgical facial rejuvenation e.g. chemical peeling, fillers, botulinum toxin
- ii. Laser treatment
- iii. Blepharoplasty
- iv. Facelift / Necklift
- v. Browlift / Foreheadlift
- vi. Rhinoplasty
- vii. Otoplasty
- viii. Treatment of alopecia e.g. hair transplantation
- ix. Facial contouring
  - 1. Implants
  - 2. Lipoplasty including autologous fat grafting
  - 3. Genioplasty

### b. Upper limbs

- i. Liposuction
- ii. Brachioplasty

### c. Breast

- i. Augmentation mammoplasty
- ii. Breast ptosis
- iii. Inverted nipple

### d. Abdomen

- i. Liposuction
- ii. Abdominoplasty
- iii. Bodylift

### e. Lower limbs

- i. Liposuction
- ii. Thigh lift
- iii. Buttock lift
- iv. Implants