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. Tuberosus 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  

b. 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