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 mammaplasty  
   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