

## **FACIAL PLASTIC SURGERY**

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### **TOPICS COVERED IN THIS MODULE**

- Basic sciences and applied skills associated with facial plastic surgery
  - In detail: rhinoplasty; otoplasty, skin lesions – local flaps.
  - Basics of blepharoplasty and mentoplasty

### **RATIONALE AND COMPETENCIES**

Facial plastic surgery is increasingly in demand within the community. Understanding facial aesthetics is necessary following trauma, aging or surgical resection for optimal reconstruction of facial defects.

The graduating trainee will be able to:

- Assess a patient for consideration for facial plastic surgery
- Manage patients in ways that demonstrate an awareness of, and insight into, their possible unrealistic expectations of facial plastic surgery.
- Communicate realistic possible outcomes, risks & complications.
- Safely carry out common facial plastic surgical procedures.
- Manage complications.
- Fully acknowledge their limitations.

### **MODULE CONTENT AND OBJECTIVES**

There are two components in this module:

1. Basic Sciences
2. Clinical knowledge, skills and judgement

#### **1. Basic Sciences**

- Describe the microscopic anatomy of the skin of the head and neck including differentiating between various skin types.
- Describe the macroscopic anatomy of the skin of the head and neck.
- Identify and explain the anatomy and physiology of neurological and vascular systems of the face.
- Review primary and secondary response to injury.
- Summarise structural changes in aging.
- Review in detail the anatomy of facial soft tissue musculature and facial nerve, SMAS, the nose, eye lids and pinnae.

- Explain basics of laser use in facial plastic surgery.
- Outline the principles of facial flaps and skin grafts, skin cancer excision & reconstruction.
- Review skin pathology and its management.
- Explain the principles of facial reanimation.

## **2. Clinical knowledge, skills and judgement**

- Evaluate a patient.
- Provide advice on facial aesthetics.
- Order and accurately interpret clinical photography for facial plastic surgery pertaining to rhinoplasty, otoplasty & mentoplasty.
- Demonstrate proficiency in safely carrying out the following surgical procedures:
  - rhinoplasty – endonasal and external approaches
    - managing crooked nose
    - osteotomies
    - nasal valve collapse
    - tip modification techniques
    - tip support mechanisms
    - autologous & alloplast graft options (basics)
    - hump reduction
    - septal reconstruction
    - management of the saddle nose
- Discuss and evaluate the following procedures:
  - Otoplasty (detailed knowledge)
  - brow lift: basics (+ facial palsy)
  - face lift: basics: incisions, plane of dissection, SMAS & Platysma
  - blepharoplasty: upper lid surgery & VII nerve palsy management
  - mentoplasty: (basics) intra v extra oral, role in conjunction with rhinoplasty. Implants, genioplasty, mandibular osteotomy, occlusion, dentition.
  - rhinoplasty
    - revision
    - alar base reduction
    - grafts and implants
- Plan, implement, and manage pre and post-operative care of the facial plastic surgical patient.
- Manage any complications.
- Recognise the significance of psychological issues in facial plastic surgery and be able to adapt their approach accordingly.

### **SUGGESTED READING**

- Webster's Otoplasty - Australasian Academy of Facial Plastic Surgery 16 tapes (these can be borrowed from the AAFPS library)
- Tardy - Surgical anatomy of the nose
- Huizing & de Groot - Rhinoplasty
- Larrabee - Surgical anatomy of the face
- Papel – Facial & Plastic Reconstructive Surgery (main text for USA Board certification)
- Toriumi – Open Rhinoplasty
- Tebbet – Primary Rhinoplasty
- Seckel & Greene: Facial danger zones: Avoiding nerve injury in facial plastic surgery

### **JOURNALS**

- Archives of Facial Plastic Surgery (those who join the AAFPS they will receive this journal as part of their subscription)

### **DELIVERY OF THIS MODULE**

- Online
- Courses and workshops on Rhinoplasty
- Courses on facial plastic surgery run by AAFPS
- Experiences in hospital rotations

### **ASSESSMENT METHODS**

- Fellowship Examination
- Workshop assessments
- Supervisors' reports
- Log books

Post graduate fellowship in facial plastics recommended if wishing to provide the full range of facial plastic surgery.