

# REGROUPING 3

## Degenerative Conditions

# DEGENERATIVE & OTHERS

18.02.2005

## **Preamble - Objectives and Outcomes**

ALSO SEE OVERALL PREAMBLE (hypertext link on webpage)

Degenerative situations can affect many people and required plastic and/or reconstructive surgery to enable them to have a normal life. To be effective in this area a surgeon requires technical skill, medical expertise and the capacity to respond effectively to their patients' needs and expectations.

The graduating trainee will be able to:

- Maintain skills and learn new skills
- Accurately identify the risks, benefits and mechanisms of action of drugs, injectable and implantable products currently used
- Consider all issues relevant to the patient
- Communicate with the patient the treatment options, potentials, complications and risks associated with the use of drugs, injectable and implantable products
- Develop a care plan for a patient in collaboration with members of an interdisciplinary team
- Promote health maintenance
- Draw on different kinds of knowledge in order to weigh up patient's problems in terms of context, issues, needs and consequences

*For Recommended Reading, Delivery and Assessment see the module for each body zone*

**Revisional Knowledge** following on from that gained from the PRS Science and Principles Module trainees are required to be able to analyse and appropriately apply the science and principles of the following in clinical environments:

### Hand, Upper Limb & Microsurgery

- Dupuytren's contracture – pathology and principles of surgery
- Arthritis – including rheumatoid arthritis, osteoarthritis and other related degenerative and inflammatory conditions. Pathology, clinical assessment

### Lower Limb and Foot

#### *Pathology*

- Wound healing – pathophysiology of chronic wounds
- Circulation – pathology of the macro and microcirculation

### Trunk, Perineum & Breast

*Maturational Stages of Growth (including pregnancy and ageing)*

- Urogenital
- Breast
- Abdominal wall

#### *Surgical Principles*

- Management of abdominal wall hernias

**Core Knowledge** — detailed knowledge and technical expertise is expected in these areas. All trainees are required to be able to diagnose, plan, effectively perform and manage:

### Plastic & Reconstructive Surgical Science & Principles

#### *Pathology*

- Inflammatory and autoimmune disorders
- Principles of other pathological processes such as Dupuytren's and other fibromatoses, lymphoedema, ulceration (decubitus, lower limb, etc)

### Craniomaxillofacial

- Romberg hemifacial atrophy – assessment and management
- Chin deformity – types and management
- Aesthetic skeletal augmentation or reduction in the craniofacial region
- Radiation induced deformities, bony and soft tissue – management

### Facial Soft Tissue

#### *Face, Neck & Brow:*

- Pathophysiology, embryology and abnormalities, and the diagnosis, investigation and treatment of:
  - Acquired deformities
  - Ageing

#### *Eyelids:*

- Pathophysiology, embryology, anatomy and abnormalities and the diagnosis, investigation and treatment and reconstruction of:
  - Acquired deformities
  - Ageing

#### *Ears:*

- Pathophysiology, embryology, anatomy and abnormalities and the diagnosis, investigation and treatment of:
  - Acquired deformities
  - Ageing

#### *Nose:*

- Pathophysiology, embryology and development, anatomy and abnormalities and the diagnosis, investigation and treatment of:
  - Acquired deformities
  - Ageing

#### *Lips:*

- Pathophysiology, embryology and development, anatomy and abnormalities and the diagnosis, investigation and treatment of:
  - Acquired deformities
  - Ageing

### Hand, Upper Limb & Microsurgery

- Wrist – biomechanics, diagnosis of congenital, traumatic and degenerative conditions.
- Nerve and brachial plexus injuries; compressive neuropathies. Neural healing and regeneration. Diagnosis, management, techniques of nerve decompression, repair and reconstruction.
- Compartment syndromes, pressure injection injury.
- Tenosynovitis and stenoses-trigger fingers and DeQuervain's
- Dupuytren's contracture – pathology, management and recurrent disease.
- Hand contractures – diagnosis and management.
- Arthritis – including rheumatoid arthritis, osteoarthritis and other related degenerative and inflammatory conditions. Pathology, clinical assessment and surgical treatment. Arthrodesis and arthroplasty.
- Miscellaneous conditions such as complex regional pain syndrome, gout, vascular disorders, fingernail abnormalities, lymphoedema (See skin and integument module).

### Lower Limb and Foot

- Pressure sores – aetiology, prevention, assessment, non-operative and operative management; with /without spinal cord injury; osteomyelitis: including sacral, ischial, trochanteric and heel ulceration
- Leg ulceration – all aetiologies (venous, arterial, medical); assessment for operative and non-operative management
- Multidisciplinary management of diabetic and other neuropathic foot problems
- Exposed implants/prostheses
- Lymphoedema (adult)

### Skin & Integument

- Assessment, diagnosis, classification, investigation, and treatment of Lymphoedema.

**Outline Knowledge** — in this area, knowledge of only the principles is required. Detailed knowledge and technical expertise in these topics is appropriate for subspecialist post FRACS fellowship training. Therefore trainees are expected to be able to describe and discuss treatment options and management of:-

### Hand, Upper Limb & Microsurgery

- Bioengineering relevant to hands e.g. nerve conduits, growth factors, bone and cartilage culture / substitutes.
- Wrist including distal radio-ulnar joint – biomechanics, detailed ligamentous and articular anatomy. Management of congenital, traumatic (fractures, dislocations and instability patterns), degenerative and avascular (Kienbocks etc.) conditions.
- Nerve and brachial plexus injuries; compression neuropathies. Advanced management. Neuroma and chronic regional pain management. Thoracic outlet syndrome and nerve root impingement.
- Arthritis – including juvenile, psoriatic and other related degenerative and inflammatory conditions. Advanced clinical assessment and surgical treatment. Medical management (Outline knowledge of Rheumatology)
- Miscellaneous conditions such as, autoimmune disorders (scleroderma, SLE), gout, vascular disorders, vibration injuries and epidermolysis bullosa, general medical conditions affecting hands (clubbing, Osler's nodes, secondary tumours, etc.)
- Occupational health, musician's hands, workplace assessment and rehabilitation.
- Medicolegal and impairment assessment and report writing.