

REGROUPING 4

Inflammatory & Infection

INFLAMMATORY & INFECTION

18.02.05

Preamble - Objectives and Outcomes

ALSO SEE [OVERALL PREAMBLE](#) (hypertext link on webpage)

People can experience infection or inflammation that requires plastic and/or reconstructive surgery to heal and/or prevent the infection from spreading. Inflammation and infection can also arise from any surgical procedure. 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:

- Consistently demonstrate sound surgical skills
- Approach and carry out procedures with due attention to the safety of the patient, self and others
- Effectively manage complications
- Identify and manage risk
- Communicate with and co-ordinate surgical teams to achieve an optimal surgical environment
- Employ a consultative approach with colleagues and other professionals
- Identify and differentiates between systemic demands and patient needs
- Promote health maintenance

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

- Infection – diagnosis and principles of management of common hand infections.

Trunk, Perineum & Breast

Surgical Principles

- Routine infection and haematoma management
- Pressure ulcer classification, aetiology, prevention and pre-operative evaluation
- Antibiotic prophylaxis

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

- Infection, antibiotics and sterilisation
- Infectious diseases of importance to surgeons
- Sepsis and septic shock
- Inflammatory and autoimmune disorders

Head & Neck

Infections of the head and neck

- Organisms
- Anatomical spaces of relevance
- Dangers
- Management

Hand, Upper Limb & Microsurgery

- Infection – surgical management of common and unusual hand infections.
- Arthritis – including rheumatoid arthritis, osteoarthritis and other related degenerative and inflammatory conditions. Pathology, clinical assessment and surgical treatment. Arthrodesis and arthroplasty.

Lower Limb and Foot

- Infections of the lower limb – osteomyelitis (acute and chronic) and necrotizing fasciitis.

Trunk, Perineum & Breast

Trunk

Necrotising soft tissue infections

- Diagnose and manage necrotising soft tissue infections

Perineum

Pelvic wall reconstruction principles

- Post infective

Skin & Integument

- Assessment, diagnosis, investigation and treatment of infective, inflammatory, and autoimmune conditions.

Infection

- Risks, complications, avoidance and treatment –
- Local and systemic

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

- Fingernail pathology, dermatological treatment, surgery. (See skin and integument module).