

BRITISH CASTING CERTIFICATE EXAMINATION

The examination consists of two parts:

- i) Oral - 15 minutes
- ii) Practical - 30 minutes

There will be two external examiners.

SYLLABUS FOR EXAMINATION

RELEVANT ELEMENTARY ANATOMY AND PHYSIOLOGY

Locomotor System

- Basic knowledge of the skeleton: * *Nomenclature,*
* *Major joint movements.*
- Details of bones and surface anatomy of the upper and lower limbs
- The vertebral column, bony structures, normal curves and intervertebral discs
- Joints: * *Basic details of the upper and lower limb joints*
- Muscular system: * *Main groups of muscles moving the limbs*
- Nervous system: * *Spinal cord in brief,*
* *Position of nerves relevant to casting work.*
- Circulatory system: * *Main blood vessels of the limb*

Orthopaedics

Brief description of each condition and treatment, especially those where casting is involved:

- Amputations,
- Bone infections: * *Osteomyelitis / tuberculosis*
- Congenital dislocation of the hip

- Congenital talipes equino varus
- Foot conditions, eg – hallux valgus
- Knee conditions
- Low back pain
- Osteoarthritis
- Osteochondritis, eg – Perthes’s disease
- Osteoporosis
- Rheumatoid disease
- Scoliosis

Trauma

- Fractures: * *Types, healing and complications*
- Description, treatment and any specific complications of trauma to:
 - * *Wrist and hand,* * *Foot and ankle,* * *Forearm,*
 - * *Tibia and fibula,* * *Elbow,* * *Knee,*
 - * *Humerus,* * *Femur,* * *Clavicle and shoulder,*
 - * *Pelvis.*

Bandaging

- Techniques of bandaging and the use of slings

Walking Aids

- Basic principles and instructions

Casting Room Issues

- Health & Safety
- Medico-legal: * *Record-keeping,* * *Informed consent,*
* *Ethical matters.*

Plaster of Paris Techniques

- Basic plastering technique
- Use of apparatus in the Casting Room
- Care of patients in casts: * *Trimming, drying and windowing,*

