

EXAMINABLE AREAS FOR DIPLOMA PROSTHETICS AND ORTHOTICS

Block 1: Lower Extremity Orthotics (Below the Knee)

- Demonstrate competency in all below the knee orthotics
- Applying orthotic, orthopaedic and anatomical terminology
- Understand and use clinical procedures
- Participate and utilize the orthotics & prosthetics laboratory
- Demonstrate knowledge of fractures
- Demonstrate knowledge of different types of traction
- Perform standard clinical evaluation and examination
- Understand anatomy of the foot and lower limb
- Manufacture FO's and AFO's
- Demonstrate understanding on the measuring and fitting of orthopaedic shoes

Block 2: Lower Extremity Prosthetics (Below the Knee / Transtibial)

- Demonstrate competency in evaluating, measuring, manufacture and fitting of partial foot prosthesis and rehabilitation
- Demonstrate competency in evaluating, measuring, manufacture and fitting of symes prosthesis and rehabilitation
- Demonstrate competence in evaluating, measuring, manufacture and fitting of transtibial prosthesis and rehabilitation
- Demonstrate competency for using post operative fittings in patient rehabilitation
- Understand the application and use of prosthetic components
- Demonstrate ability to assess human locomotion & gait analysis
- Perform clinical examination on prosthetic patients
- Understand, prescribe and utilize suspension systems in lower extremity prosthetics
- Demonstrate skill in assisting patients with residual limb Donning/Doffing, bandaging and pressure garments application
- Discuss new inventions in lower extremity prosthetics with peers

Block 3: Lower Extremity (Knee and Above the Knee) & Upper Extremity Orthotics

- Knowledge of lower extremity orthotics for knee and above the knee

- Demonstrate ability to assess human locomotion & gait analysis
- Demonstrate knowledge of basic structural anatomy of the lower extremity & testing measures
- Demonstrate competency in evaluating, measuring, manufacture and fitting for orthoses of the lower extremity (KO, KAFO, HKAFO, HO, RGO's, standing frames, swivel walkers & parapodiums)
- Demonstrate competency in evaluating, measuring and fitting of compression therapy (phlebology & lymphology) and rehabilitation
- Demonstrate competence in evaluating, measuring and fitting of orthopaedic corsets, hernias & trusses
- Demonstrate competency in evaluating, measuring, manufacturing and fitting of all upper extremity orthotics
- Discuss new inventions and techniques for upper extremity orthotics

Block 4: Lower Extremity Prosthetics (Knee Disarticulation & Above the Knee / Transfemoral)

- Demonstrate competency in evaluating, measuring, manufacturing and fitting of knee disarticulation / through knee prosthesis and rehabilitation
- Demonstrate competency in evaluating, measuring, manufacture and fitting of transfemoral prosthesis / above knee prosthesis and rehabilitation
- Demonstrate competency in evaluating, measuring, manufacturing and fitting of hip disarticulation prosthesis and rehabilitation
- Demonstrate competency in evaluating, measuring, manufacturing and fitting of hemipelvectomy prosthesis and rehabilitation
- Attend clinic attendance for prosthetics and communication with other specialized team members
- Discuss new inventions and techniques with peers in lower extremity prosthetics

Block 5: Spinal Orthotics

- Apply principles of spinal orthotics
- Understand classification and terminology in practice
- Perform proper patient evaluation
- Understand anatomy of the trunk, motion of the spine & spinal pathologies
- Utilize prescription for trunk disorders requiring orthosis

- Understand scoliosis & congenital spine deformities including myelomeningocele & juvenile kyphosis
- Apply conservative treatment of spinal deformities
- Perform different techniques in bracing
- Demonstrate different cast techniques
- Apply different techniques of spinal and cervical traction
- Apply and manufacture different spinal orthosis (braces)
- Use medical terminology in referral and prescriptions
- Discuss new inventions in the area of spinal orthotics

Block 6: Upper Extremity Prosthetics & Breast Prosthetics

- Demonstrate competency in evaluating, measuring, manufacture and fitting of upper extremity prosthesis and rehabilitation
- Demonstrate competency in evaluating, measurement and fitting Breast prosthesis and the rehabilitation thereof
- Apply problem solving skill and technique in evaluating, measuring, manufacture and fitting of prosthesis suited to congenital deficiencies and rehabilitation
- Discuss new inventions and techniques in evaluating, measuring, manufacture and fitting of prosthesis suited