

## Services Offered

### Custom-made Prosthesis

- Transtibial (below knee) prosthesis
- Transfemoral (above knee) prosthesis
- Hybrid prosthesis
- Annual maintenance or repair of prosthetic components
- Replacement of socket due to residual stump changes or damaged socket

### Custom-made Orthosis

- Foot orthoses (including insoles, medial arch support, metatarsal bar/dome, heel raise, etc.)
- Ankle-Foot Orthosis (AFO)
- Knee orthoses
- Knee-Ankle-Foot Orthosis (KAFO)

### Non-custom Head and Spinal Orthosis

#### Head and Neck Orthosis

- Helmet
- Hard and soft cervical collar
- Miami J cervical collar
- Philadelphia cervical collar

#### Spinal Orthosis

- Thoraco-Lumbar-Sacral Orthotic (TLSO) brace
- Lumbosacral corset

### Non-custom Upper Limb Orthosis

- Humeral fracture brace
- Post-op elbow brace
- Arm band and elbow support
- Tennis elbow straps

### Non-custom Lower Limb Orthosis

- Knee supports and braces
- Leaf spring orthoses
- Ankle supports and braces
- Foot drop night splints
- Dennis brown boots for clubfoot
- Foot orthoses (including Formthotics insoles, gel heel cushion, heel raise)

Scan the QR code below to know more about Prosthetic and Orthotic Unit



## CONTACT US

#### Operating Hours

Monday to Thursday 8am - 5pm  
Friday 8am - 12pm  
2pm - 5pm

The Prosthetic and Orthotic (P&O) Unit offers their services to in-patients and out-patients. Please speak to your doctor to be referred to us or you may contact us directly to book an appointment.

For any enquires, please contact

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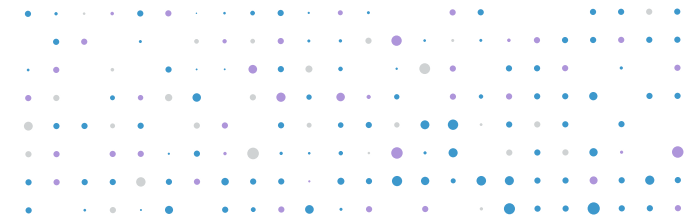
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PANTAI JERUDONG  
SPECIALIST CENTRE



## PROSTHETIC & ORTHOTIC UNIT



## Introduction

The Prosthetic and Orthotic (P&O) Unit at Pantai Jerudong Specialist Centre is a comprehensive state-of-the-art facility that specialises in providing patients with customised or ready-made medical artificial devices and external supports for the body in particular, limb prostheses (e.g., for above/below knee lower limb prostheses) or orthoses (e.g., braces, splints, insoles, footwear, helmets, etc.). The P&O Unit is operated by Certified Prosthetic and Orthotic Clinicians (CPOs) and their technicians who aim to assist patients in maximising and/or regaining their functional mobility in their everyday lives.

The CPOs are part of the multidisciplinary team, and they work closely with doctors, nurses and other allied health professionals to help patients achieve their functional and quality of life goals. Conditions served include cerebral palsy, limb amputation, stroke, spinal cord injury amongst others. The unit is managed by the Rehabilitation Department of the Brunei Neuroscience Stroke and Rehabilitation Centre (BNSRC) at PJSC.



## What are Prosthetics?

Prosthetics are artificial devices attached to the existing body to replace missing body parts and improve functional outcomes as a result of amputation.



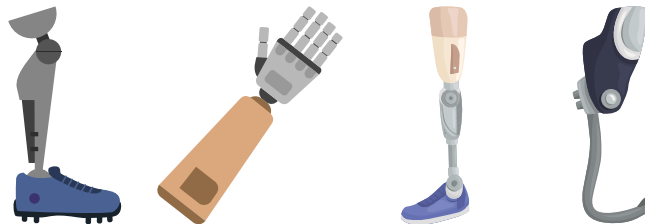
## Who are the potential users?



Patients who have had part(s) of their body amputated due to trauma or conditions such as diabetes, neuromuscular disorders, infection, cancer, etc. Young patients with congenital limb loss may also benefit from prosthetics.

## What are the benefits of using Prosthetics?

Prosthetics help patients maintain their fitness by providing the ability to continue with their activities and recover their body movements close to normal. Thus, prosthetics can help patients be more independent following their amputation. In addition, prosthetic limbs can contribute greatly to the psychological and emotional well-being of those who use them.



## What are Orthotics?

Orthotics are external devices, e.g., braces, splints, insoles, footwear and helmets, attached to an existing body part where its function has been compromised to correct the alignment, accommodate a deformity, protect its structure, facilitate basic movements or aid patients in stabilising the body structure's position. These devices can be prefabricated or customised, depending on the patients' requirements.

## Who are the potential users?

Patients with malalignment and deformity of the limbs due to neuromuscular disorders (e.g., Congenital Talipes Equinovarus (CTEV), Cerebral Palsy (CP), Spina Bifida (SB), musculoskeletal disorders (e.g., Hallux Valgus, Symptomatic Pes Planus (pronated feet) or secondary to conditions such as diabetes, or as a result of trauma such as an injury to the foot.

## What are the benefits of using Orthotics?

Orthotics can fully or partially correct the malalignment of the body. Orthotics can also prevent the worsening of the alignment and deformity and/or prevent contractures if any. Orthotics may also relieve the pain, pressure and stress on sensitive or inflamed areas of the targeted body structure. These benefits can therefore protect the skin of the targeted area, boost the function, balance or mobility of the patients whilst promoting the patient's confidence and independence.

