General Device

Information

Device Cleaning

- Clean the device with mild soap and water
- Air dry
- Liners should be stored with the gel facing inward to avoid debris stick-ing to it

General Comfort

• Redness (present longer than 20 minutes after the prosthesis is removed), bruising, or other uncomfortable symptoms should be discussed with a prosthetist

Weather/Environment

- Devices are not to be submerged in water, unless specifically designed for such an activity
- If device is exposed to salt or chlorinated water, rinse immediately with untreated water
- Limit exposure to extreme heat and sun

When should I come in for an adjustment or repair?

Call to book an appointment if:

- Your activity level has changed
- The fit of your device has changed
- A change in weight has occurred
- Growth has occurred

Expectations of Care

RCC P/O staff should:

- Provide adequate information regarding device and care
- Consider client perspectives
- Provide functional testing and practice if required

Prosthetic device users should:

- Use device as directed by clinicians
- Care for device as discussed
- Discuss any design concerns or questions about device with clinicians as soon as possible



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A Clinical Guide for Above-Knee Prosthetic Use



Rehabilitation Centre for Children: Prosthetics & Orthotics Department



Prosthetics Appointments

Evaluation and Casting:

At this appointment, your prosthetist will ask about your general medical history and perform a casting or scan of your limb

Appointment Length: 90 minutes

Following appointment booked for: 1-3 weeks

Fitting (2-5 appointments):

Your clinician will ensure proper fit and alignment of your prosthesis and perform modifications to the socket as necessary

Appointment Length: 60-90 minutes

Following appointment booked for: 1-3weeks

Delivery:

After confirming the final fit of your prosthesis, you will be taught how to properly:

- don and doff your device
- perform any specific functions of the device
- care and maintain the device

Appointment Length: 60-90 minutes

Following appointment booked for: 1-4 weeks

Follow up appointment:

Your prosthetist will confirm that your prosthesis is fitting and functioning well **Appointment Length: 60-90 minutes**

*Factors affecting the length of time before the next appointment may include:

- Living arrangements
- Componentry ordered
- Type of device

Device Options Specific to Above-Knee

Prosthetics

Devices are custom designed for patients based on multiple factors such as age, presentation, and other contextual factors

Interface

This refers to the layer between your skin and the prosthesis. Often this is in the form of a liner or socks. See "A Clinical Guide for Lower Extremity Prosthetics Use" for more options

Suspension

This refers to the way we keep the prosthesis on your residual limb.

See "A Clinical Guide for Lower Extremity Prosthetics Use" for options

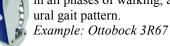
Knees



Single axis – A simple knee with free bending similar to a door hinge. This knee is typically quite durable and simple to use, but only allows comfortable walking at one speed.

Example: Fillauer Mighty Mite

Polycentric – This knee has a high level of stability in all phases of walking, and allows for a more nat-





Pneumatic/hydraulic -particularly useful for active patients, this knee allows for adjustments in walking through the use of air or liquid within the knee. This also allows for walking at various speeds. Examples: Aquaknee, Ottobock 3R60

Microprocessor – This knee operates through feature sensors, software, and battery operation. Note it often has weather limitations Example: Ossur Rheo knee

Feet and Cosmetic Covers

See "A Clinical Guide for Lower Extremity Prosthetics Use" for options

Device Options—What to Consider?

Interface

Limb sensitivity

- Users with sensitive skin may prefer certain materials over others
- Silicone roll-on liners provide the most hygienic option for many patients

Limb shape

- Silicone roll-on liners tend to adhere best to limbs with high levels of soft tissue
- TPE roll-on liners tend to adhere best to limbs with unique shapes or greater bony prominences

Plan for suspension

- Masterflex liners are best paired with anatomical suspension methods
- Roll-on liners are best paired with pin suspension methods ٠
- A combination may be used depending on the suspension • choice and socket design

Suspension

Ease and comfort to use

Preference regarding ease of donning and doffing device, as well as ease of adjustment of device, should be considered

Activity level and type

Different activities, in duration, type, and intensity should ٠ be considered

Knees & Feet

Activity level and type

Different activities, in duration, type, and intensity should be considered. Think about the types of activities you plan to participate in with your prosthesis.

Cosmetic Finishes

Device external appearance

- Soft covers often look more realistic
- Hard covers are more durable and easier to clean





