

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 prevent debris getting stuck 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

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 Below-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 assure proper fit and alignment of your prosthesis and perform modifications to the socket as necessary

Appointment Length: 60-90 minutes

*Following appointment booked for:
1-3 weeks*

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 ensure 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 Below-Knee Prosthetics

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

Interface



Interface refers to the layer between your skin and the prosthesis. Often this is some type of liner

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

Suspension



Suspension refers to the way we keep the prosthesis on your residual limb

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

Feet



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

Cosmetic Finishes

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 and consistency

- 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
- A custom liner may be necessary for irregular shaped residual limbs

Plan for suspension

- Masterflex liners are often paired with anatomical suspension methods
- Roll-on liners are best paired with pin or suction suspension methods
- Sometimes a combination of liner types will be used

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 be considered

Feet

Activity level and type

- Different activities, in duration, type, and intensity should be considered. Think about what activities you plan to use your prosthesis for.

Cosmetic Finishes

Device external appearance

- Cosmetic appearance may vary based on cosmetic finish
- Soft covers are often more realistic in appearance
- Hard covers are more durable and easier to clean

Make sure to discuss all of your preferences, and the activities you plan to participate in with your prosthetist. They are there to design a prosthesis that works best for *you!*