

ETHNOCARE™

OVERLAY™



Air Volume
Management Device

01

Redefine people's mobility

Ethnocare aims to empower individuals to achieve their full potential without limitations. The company is challenging the orthopedic industry by providing innovative solutions that improve users' lives.



Problems addressed



Volumetric variation of the residual limb



Pressure points inside the socket



Misalignment of the limb in the socket

Our solution : The Overlay

The Overlay is composed of a breathable fabric sleeve that integrates an **air expansion system** to manage changes in limb volume and address socket fit issues.

- The air expansion system can compensate for 2 to 15 ply.
- The use of air ensures a snug and uniform fit within the socket.
- It provides enhanced comfort, adjustability, and mobility.

Type of patients

The Overlay is compatible with most K1 to K4 patients and can be used with a wide range of suspension methods, including distal fixation, suspension sleeves, and both active and passive vacuum systems.

Features & Benefits
for more information



OVERLAY

The integrated pump allows for precise adjustments



Uniform fit with the air expansion system



Easy & intuitive exit valve



Breathable & stretchable fabric



Watch the video



02 Clinical Evidence & Studies

Case study (N=23)

01 : Comfort :  **34%**

The comfort provided by the Overlay is significantly better compared to current volume management methods.

02 : Fit in the socket :  **24%**

Users reported a 24% improvement in socket fit when using the Overlay compared to current volume management methods.

03 : Pain level :  **24%**

Pain sensation was 24% less pronounced with the Overlay compared to current volume management methods.

04 : Ease of use :  **52%**

The Overlay was 52% easier to use throughout the day compared to current volume management methods.



3rd party independent study

Title : The Overlay, a New Solution for Volume Variations in the Residual Limb for Individuals with a Transtibial Amputation.

03 Testimonials

User



Allison Lang

"I love the product so much, it saved me when I desperately needed help with my socket and my stump. I firsthand know how beneficial the Overlay is."



Connie

"It's a complete difference, I feel rejuvenated, comfortable and complete, all of which I haven't felt in such a long time.

It's like a hug from the clouds."

CPO



Taylor Sisson, CPO

"It streamlines volume management effectively. It has great potential to reduce the frequency of follow-up and adjustment appointments, which is a major advantage. The Overlay enhances suspension, especially for those with redundant soft tissue."



J.F. Brissette, CPO

"By using the Overlay, my BK patients no longer have to carry several "spacer socks" with them on their outings. They benefit from the most optimal volume adjustment, whatever the time of day, and without the build-up of tissue in the popliteal fossa."

04 How to use



The Overlay is slid over the liner with the air expansion system positioned posteriorly.



The residual limb can now be inserted in the socket, ensure all the air cells are below the trim line.



If the user has a suspension sleeve, it can be rolled over the Overlay.

Inflate



To adjust more precisely, the user can use the integrated pump.



For larger and faster adjustments, the user can use the external pump.



Throughout the day, the user will be able to adjust the socket fit without removing the socket.

Deflate



To deflate, the user simply press down on the silver pin in the exit valve while keeping the leg straight.



After deflating the Overlay, the user can remove the socket.



How to use video



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