

Conservative Care

Prosthetics (case #13343)

Keywords: Transfemoral, transtibial amputations, prosthesis, traumatic; total contact socket, silicone suction suspension (3S); microprocessor controlled knee, C-Leg®.

Patient: Sixty-four year old married Foreign Service Veteran with service-connected bilateral lower extremity limb loss. He is independently ambulatory without assistive device and wears his prostheses full-time. Patient is able to negotiate all environmental barriers, walk at varied cadence and alter his direction without incident; essential duties with grandchildren.

Service: Right transtibial total contact 3S socket with Ossur® silicone locking liner with Coyote® pin system; left transfemoral flexible inner liner/frame suction socket with Otto Bock C-Leg®. Both prostheses are equipped with transverse rotators and multiaxial, dynamic response feet. Transfemoral prosthesis exhibits a positional rotator as well. Cosmetically rendered transtibial prosthesis with protective synthetic skin; transfemoral with Otto Bock manufactured C-Leg® protector.

Rationale: This patient had previously utilized a conventional hydraulic knee unit that had incurred occasional episodes of instability relative to varied terrain or having to maneuver quickly. The C-Leg® offers a stumble recovery feature, in addition to its other very appealing properties, that has made his ambulatory confidence and stability in every environ a positive change. The transtibial prosthesis provides him excellent stability, with the silicone matrix of the liner providing a cushioned yet stable environment for his scarred residuum.

Note: Microprocessor componentry and new materials for this patient population allows greater degrees of freedom for function and activity.

