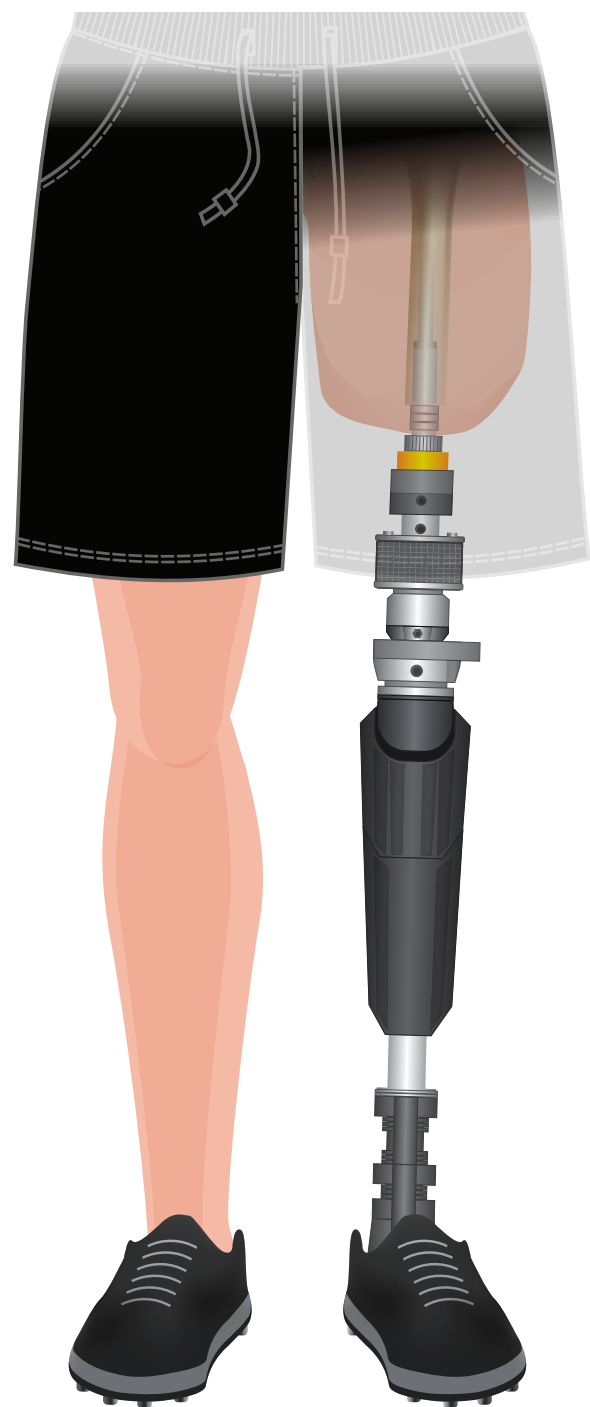


Five-Year Assessment of Bone-Anchored Prosthesis in Individuals with Transfemoral Amputation

The use of a bone-anchored prosthesis (BAP) has been an alternative solution to conventional prosthetic socket technology for three decades



However, long-term outcomes related to safety, prosthesis-wearing time, and health-related quality of life (HRQoL) with BAP remains unknown



39 patients who received BAP

5-year
.....
follow-up

- Safety outcomes
- Patient-completed Questionnaire for Persons with a Transfemoral Amputation (Q-TFA)

.....
• Wearing time: Prosthetic use score
.....
• HRQoL: Global score



Safety outcomes

Infection
(30 patients)

156 Infection events

95%

Soft
tissue



5%

Bone

Septic loosening
(0 patients)

Intramedullary stem
breakage (2 patients)



Soft-tissue refashioning
(14 patients)



Q-TFA scores



Prosthetic use score
(n = 34)



Global score
(n = 33)

Preoperative

71

33

Postoperative

100

75



Despite adverse events, bone-anchored prosthesis significantly improved patient prosthetic use and HRQoL after transfemoral amputation

Safety and Performance of Bone-Anchored Prostheses in Persons with a Transfemoral Amputation: A 5-Year Follow-up Study

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