Title: Trial Fitting Protocols to Optimize Rehabilitation for Transhumeral Amputee Soldiers

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Learning Outcomes: At the conclusion of this presentation the attendees will:

1. Understand the use of trial fittings to optimize rehabilitation
2. Understand the functional differences between electric-powered and cable-operated elbow systems
3. Be exposed to various socket and harness techniques for transhumeral amputees

Abstract:

This lecture will discuss the experience at Brook Army Medical Center (BAMC) utilizing trial fitting protocols to optimize rehabilitation of upper limb amputee soldiers.

Case presentations will illustrate and focus on the rehabilitation of transhumeral amputee soldiers using trial fitting protocols. Trial fittings were performed to evaluate the clinical appropriateness of fitting electric-powered elbow systems in comparison to cable-operated elbow systems in hybrid designs. Trial fittings were also utilized to optimize socket and harness systems. Through the trial fitting process each amputee was fit and trained with “loaner” systems for a fixed time period. A comprehensive clinical team evaluated the progress of the trials.

The amputees were able to use their own experiences gained in the trial fitting process to give valuable input toward definitive prosthetic fittings. This in combination with the experiences gained by the clinical team results in an optimal prosthetic recommendation and design for each patient.
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Presenter’s experience:

Presenter has extensive clinical expertise as well as lecturing experience including:

- AAOP Upper Limb Fellowship Module
- AOPA presentations
- AAOP presentations
- ISPO presentations
- MEC presentations
- CMSA presentations
- PM&R presentations

Biographical Sketch of Presenter:

Troy Farnsworth, CP, FAAOP is an American Board for Certification accredited prosthetist and licensed engineer, specializing in upper extremity prosthetics. As the Vice President of Hanger Prosthetics & Orthotics, Inc. National Upper Extremity Prosthetic Program, Mr. Farnsworth lectures, educates and demonstrates to patients, therapists and physicians nationally and internationally. Clinically he specializes in the rehabilitation of difficult cases of upper limb loss. He currently provides clinical consultation and services for the Center for Intrepid at Brooke Army Medical Center (BAMC) in San Antonio, Texas for amputee soldiers returning from global conflicts.