Traumatic Amputation QUERI Workshop

Prosthetic Prescription, Fitting and Adjustment
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QUERI Step 1
- Assess Patient need
- Assess comorbidities that affect outcome.
- Determine appropriate time to fit specialized prostheses (Running leg, Swim leg, etc.)
- Determine appropriate design type based on patient acceptance and outcomes
  - Upper - Myo vs. body powered vs. cosmetic Interface Design, Suspension, Elbow, Hand, Knee and Foot components. Vertical Shock and Torsion Absorption
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QUERI Step 1
- Identify and/or create measurement techniques to assess best fit and alignment.
  - Gait Analysis
  - Measure of Oxygen consumption
  - Patient comfort.
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- QUERI Step 2
  - Amputee Mobility Predictor
  - 6 minute walk test
  - Medicare Functional Levels
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QUERI Step 3
- When should Prosthetist become involved in prosthetic management.
- Define a qualified provider
- What are the adherence to accepted methods of assessment to determine fit alignment and optimal component selection.
- Determine patient satisfaction with prosthesis at regular intervals

- How much time do current prosthetic wearers utilize their prosthesis relative to component selection and fit of prosthesis.
- What are barriers to daily use of prosthetic devices.
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QUERI Step 4, 5, 6

- Create a National Strategic Coordinator to facilitate between VARRD and VA Clinical to Provide oversight and guidance to both researchers and clinical personnel.
- Can Telemedicine Interfacility Management of Patient to be utilized to assess fitting and alignment through gait analysis?
- What is the multi-disciplinary team availability and access?
- Can intensive Case management impact maintenance and adjustment of prosthesis compared to current levels of usual care?
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**QUERI Step M**
- Study new CAD/CAM Technology
- Need for integrated technology between centers
- Use of Telemedicine as a method of checks and balances
- Standardized evaluations
- Develop functional levels to better reflect the attributes of the components vs. the needs of the patient
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QUERI Step C
- Develop a method of measurement or verify findings of manufacturers
  - Provide manufactures with a method and have them present findings to the DoD and VA.
- Evaluate technology studies to determine efficacy and appropriate use.
- Inclusion of clinical prosthetist to provide oversite for clinical research
- Determine appropriate technology for specified limb lengths and comorbidities.
- Standardize documentation and data collection.
- Use current IT to collect Rx trends and use.