

**PrimeFare Central 2021  
Regional Scientific Symposium  
August 13-14, 2021 |Renaissance Hotel |Tulsa, OK**

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**Friday | August 13, 2021  
Orthotics Track**

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**8:00-10:00 Best Casting Practices: Composite AFO's, KAFO**

As fabrication methods for composite materials become more sophisticated, demand for quality shape capture and dynamic alignment must meet those advancements. This interactive course will focus on qualifying practitioners on best casting practices that improve biomechanical objectives, clinical aims, Thuasne USA's fabrication efficiencies and processes: science-based outcome measurements.

*Presenter: William Cox, CPO*

**10:00-10:30 Break**

**10:30-12:30 Advanced Lower Extremity Orthotic Solutions for Optimal Patient**

**Outcomes:** Current technologies, materials, and designs” course will provide ABC Certified Orthotic Practitioners, Orthotic Assistants and Technicians with advanced clinical orthotic solutions and unique design options for patients who present with various lower extremity clinical pathologies, muscular paresis or paralysis. The presenter will review the unique designs and material sciences behind more dynamic AFOs and KAFOs, Stance Control solutions, innovative bars and joints options, as well as Functional Electrical Stimulation protocols, all with a focus of improving gait biomechanics, reducing energy expenditure, and improving quality of life, while advancing activities of daily living.

*Presented by: Liz Hillen, M.Ed., CPO, LPO, Clinical Marketing Consultant III, Southern Prosthetic Supplies - **confirmed***

**12:30-1:30 Lunch**

1:30 – 3:30 Dennis Jannisse-TBD

**3:30-3:45 Break**

3:45-5:45 Dennis Jannisse-TBD

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## Saturday | August 14, 2021

### Orthotics Track

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#### 8:00 -10:00    **Advanced Methodologies of Full-Time Scoliosis Bracing**

This course provides an in-depth review of the clinical treatment of adolescent idiopathic scoliosis, and presents recent advancements in the design and methodology of fulltime orthoses. Education will be provided on the effective approaches to 3D scanning, brace design, blueprinting, fabrication, evaluation, fitting and adjustments. Proper measuring techniques to ensure better bracing and patient outcomes will be discussed accompanied by x-ray review and patient evaluation.

*Presented by:* **James Tierney, Jonathan Taylor, Spinal Technology**

#### **10:00-10:30                    Break**

#### **10:30-12:30    Clinical Evaluation and Application of Pediatric AFO's**

Improving functional outcomes of our neurologically involved lower extremity pediatric orthotic patients can at times be challenging. Objective evaluation data along with patient communication and information collected from the healthcare team will provide selection of orthotic intervention that will increase positive outcomes. This course provides information for collecting objective data and utilizing this information for maximizing patient outcomes. Evaluation techniques using established tools for optimizing the selection, fit and function of pediatric AFO's will be discussed.

At the conclusion of this presentation, the attendee will be able to:

- Identify and discuss those orthotic principles that are supported by medical evidence.
- Identify measurable evaluation tools and the importance to functional outcomes.
- Identify orthotic interventions that improve functional outcomes.
- Apply the knowledge gained to improve functional clinical outcomes for neurologically involved lower extremity orthotic patients.

*Presented By:* **Justi Appel, CO, BOCP, PhD, FAAOP**

**12:30 Meeting Concludes**

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**Friday | August 13, 2021**  
**Prosthetic Track**

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**8:00-10:00     SPS Microprocessor Knee Review:** Review from SPS's Clinical team on 7 Microprocessor Knee Systems available through SPS. We will cover both unique and similar Features and Benefits of each.

*Presenter: Liz Hillen, M.Ed., CPO, LPO, SPS Clinical Service*

**10:00-10:30             Break**

**10:30-12:30     Novel, Functional Solutions for Partial Hand and Finger Amputees**

The population of partial hand amputees is large in number and in need of prosthetic intervention, yet rarely gets referred to prosthetic care. This workshop will shed light on this underserved population and address the untapped potential of treating these patients. Explore the engineering behind NP's devices and learn how to deliver successful patient outcomes with unique designs. Presentation will cover the entire product family with an emphasis on NP's newest product, the **GripLock** Finger, the lightest and strongest metacarpal solution on the market and how it complements the rest of the body-driven product family. Find out how to work with Customer Care and Clinical teams to ensure strong patient outcomes, along with educational support to grow your upper extremity market.

*Presenter: Bekah Slocum, Naked Prosthetics*

**12:30-1:30             Lunch**

**1:30 – 3:30     Prosthetic Management of Partial Foot Amputations**

Partial foot amputations are becoming more common in managing issues secondary to diabetes, vascular insufficiency and trauma. Managing shearing forces while helping to restore propulsion are the conflicting goals in the management of the PFA patient. Often overlooked is managing the acquired LLD that occurs secondary to PFA. This program will allow the attendee to discover practical solutions to resolve LLD, shearing and apropulsive issues in one uniform protocol that can be applied to all levels of partial foot amputations.

*Presenter: Justi Appel, CO, BOCP, PhD, FAAOP*

**3:30-3:45             Break**

3:45-5:45      **Partial Hand Amputation: Functional Considerations**

This presentation we will cover partial hand amputation epidemiology, the impact of partial hand amputation, prosthesis options, prosthesis indications, identification of ideal candidates, alignment considerations, fabrication tips, and expected outcomes through the discussion and analysis of case studies. Partial hand amputations present a variety of complicated functional, psychological, and occupational challenges. Most people with partial hand amputation work in heavy manual labor occupations and the lack of robust prosthetic options prevent many of them from returning to work. The Point Designs product line consist of passively positionable ratcheting prosthetic fingers/thumb with anatomical flexion designed for use in heavy-duty work environments. The case studies presented illustrate the complexity of partial hand amputation cases and demonstrate the viability of Point Designs products as a robust prosthesis for heavy manual labor occupations.

*Presenter: Levin Sliker, PhD, CEO of Point Designs*

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**Saturday | August 14, 2021**  
**Prosthetic Track**

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8:00 -10:00      **iFIT Transtibial Workshop- Scientific rationale behind the immediate fit prosthetic and the latest innovations.**

This lecture will present data from our research article entitled, “A Prospective Assessment of an Adjustable, Immediate Fit, Transtibial Prosthesis” that was recently accepted by the Journal of PM&R. The study featured a single group pre-post assessment of the immediate fit prosthetic in comparison to participant’s current conventional prosthesis. Outcome measures included questionnaire, pressure and gait biomechanics. Two case studies will also be presented from prosthetists that have been using the IFIT device in their practice. We will also present our latest innovation- the transfemoral iFIT prosthetic, which was designed to be immediately fit and fully adjustable just like our transtibial version. The unique features of both these systems will be discussed which make these devices ideal as preparatory or definitive device for patients with frequent changes in volume.

*Presenter: Joshua Mullins, iFIT*

**10:00-10:30              Break**

**10:30-12:00              TBD**

**12:30 Meeting concludes**