

## **POWERED MOBILITY FOR CHILDREN: USING TECHNOLOGICAL ADVANCES AND PROGRAMMING TO IMPROVE SUCCESSFUL, AGE APPROPRIATE POWERED MOBILITY**

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Where do you start when exploring power mobility for pediatrics? This course will discuss strategies for successful power mobility prescription. Facilitated mobility is critical to the development of motor, cognitive and social skills in the pediatric client. Without the ability to interact in their environment, children have demonstrated broader deficiencies and delays in achievement of motor milestones as compared to their peers. Providing functional age appropriate power mobility is essential therapy. Course contents will include:

- **Rationale for early power mobility**
  - When should you consider power?
  - How to plan for success
- **Base selection to match client's size, environment, and electronic needs**
  - Drive wheel position advantages and disadvantages
  - Suspension: who needs it?
  - Intuitive torque
  - Thermal rollback
  - Veer correction technology
- **Electronic Options: Is there anything new?**
  - Programming Strategies for successful set up and safety with
    - Joysticks
      - Switch v. proportional
      - Neutral zone
      - Power limit
      - Optimal speeds, accelerations and decelerations
    - Specialty Controls
      - Switches
      - Switch Arrays
      - Sip and Puff
      - Mini proportional joystick
- **Electronics Customization: Tailor the entire system for each child's unique abilities and needs!**
  - Display
    - Customize menus / Icons
    - EADL capabilities built in
      - Mouse emulation
      - X-10
      - TV, DVD, and more
  - Shortcuts
    - Assignable buttons and ports for commonly used alternate functions

Upon completion of this course, participants will be able to demonstrate a clear and practical understanding of immediately applicable power technology strategies for the pediatric client.

### **Speaker Bio**

Lori Nicolini, PT has over 10 years of experience. Lori is presently a Clinical Education Specialist at Sunrise Medical and PT SCI Advanced Clinician at Magee Rehabilitation in Philadelphia, PA