

# Wheelchair Positioning for All Ages and Sizes

## Summary Page

### Summary:

This education program begins with a discussion of Principles of Seating, followed by a review of the Seating Assessment including the mat evaluation if time permits. PDG produces unique mobility products allowing clients to maintain and/or improve function and independence. This seminar uses a Case History approach to connect clinical need with selected mobility products. PDG manual tilt-in-space wheelchairs provide the ability to foot and/or hand-propel as well as excellent environmental access in-or-out of the tilted position. PDG extra-wide bariatric wheelchairs allow optimal maneuverability and adjustability regardless of client weight.

In addition to special-application mobility products, PDG provides custom manufacturing capabilities. Whatever the need, PDG creates unique solutions for clients with function and independent mobility needs.

### Principles of Seating

- The perfect fit
- Seating is a not a step by step process
- Try not to judge prior seating

### The Seating Assessment

- Pre Mat Assessment/Interview
- The Mat Physical Assessment
- Set objectives/ goals
- Determine product parameters - Clinical Reasoning Worksheet
- Possible product options
- Trial of equipment
- Prescription and letter of necessity
- Delivery and fitting
- Follow up

### Wheelchair Physics 101

- Principles of weight distribution on the wheelchair and the impact on stability and mobility
- 80% of the person's weight should be over the rear wheels - minimum

### Tilt and Recline

#### Definitions

Benefits of 20° of tilt (Bentley - 20° Manual tilt chair for foot and/or hand propulsion)

- Improved Posture
- Improved breathing
- Decreased fatigue
- Independent mobility
- Prevent sliding out of the chair
- Restraint free safety

**The Agitated client** (Bentley - 20° Manual tilt chair for foot and/or hand propulsion, & the agitated client)

- Safe environment
- Equipment that lasts
- Equipment that has some spring to it
- Stability and mobility

Benefits of >45° of tilt (Stellar – 45° Manual-tilt, Astrotilt – 50° manual folding/rigid tilt chair for paediatric or adult (max 200 lb))

- Improved Posture
- Improved breathing
- Decreased fatigue
- Independent mobility
- Prevent sliding out of the chair
- Restraint free safety
- Pressure relief

#### **Clinical Indicators/Medical Necessity (Medicare) - Tilt**

- Client's inability to perform independent pressure relief
- Respiratory issues
- Feeding issues
- Seating/positioning tolerance issues
- Can client self-propel in this tilt chair?
- Document why manual recline will not meet client needs?
- Why will this chair meet medical need?
- What other chairs have been tried?
- Be sure clinician completes a w/c eval so the provider can submit if needed with their claim – will be needed in addition to CMN

#### **Paediatric**

- Assessment issues specific to the paediatric clients
- Positioning
- Transportation
- Growth

#### **Custom fabrication**

- Specialized equipment can be created to suit a clients specific needs.

#### **Bariatrics** (Eclipse – manual chair for the bariatric client)

- Center of gravity issues
- Assessment issues specific to the bariatric client
- Stability and mobility
- Over all width
- Adjustability for changing shapes and /or clients
- transportability

#### **Program Presenters**

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