# INVACARE<sup>®</sup> MATRX<sup>®</sup> CLINICAL SEATING & POSITIONING GUIDE

# **POSTERIOR PELVIC TILT WITH KYPHOSIS**



## **ANTERIOR PELVIC TILT WITH HYPERLORDOSIS**



One side of the pelvis is lower then the other notably at the ASIS or PSIS

# **PELVIC ROTATION**



## **HIP ABDUCTION**



lower extremities

or external rotation

manual propulsion

Limitations of hip flexion, abduction, adduction, internal

Structural bony deformity in spine or surgery

Asymmetrical upper extremity strength with

## Invacare<sup>®</sup> Matrx<sup>®</sup> Seating Objectives

If fixed, build up

ischial tuberosity

support under

the highest

to increase

on high side

weight bearing

support ribcage

If flexible, build up

the cushion under

the lowest ischial

to encourage a

level pelvis

- Facilitate postural stability while allowing purposeful movement to promote effective function and support healthy resting postures.
- Respect 3 dimensional anatomical shapes, working to match contours for optimal support and pressure
- Wherever possible, support postures from within the contours of the seating system in order to maintain skin integrity and to promote stability, balance and function, complemented with additional external components as needed.

### Invacare<sup>®</sup> Matrx<sup>®</sup> Guiding Principles

- The effect that seated posture has on breathing and swallowing should be a primary concern.
- Long term sitting can cause secondary complications such as tissue trauma, back and neck pain, postural deformities and joint contractures.
- A comprehensive evaluation, including a physical assessment in both supine and sitting, is the foundation of all effective seating solutions.
- The position of the pelvis directly impacts the spine, which in turn influences the position of the head and extremities.
- The pelvis is the foundation for seated function and the PSIS must be supported in order to achieve postural control.
- Determining if a posture is fixed or flexible is vital for selecting appropriate seating solutions.
- The opportunity to trial seating solutions in static and dynamic situations is important for identifying the most effective overall seating solution.

#### For more information, visit www.invacare.com.

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