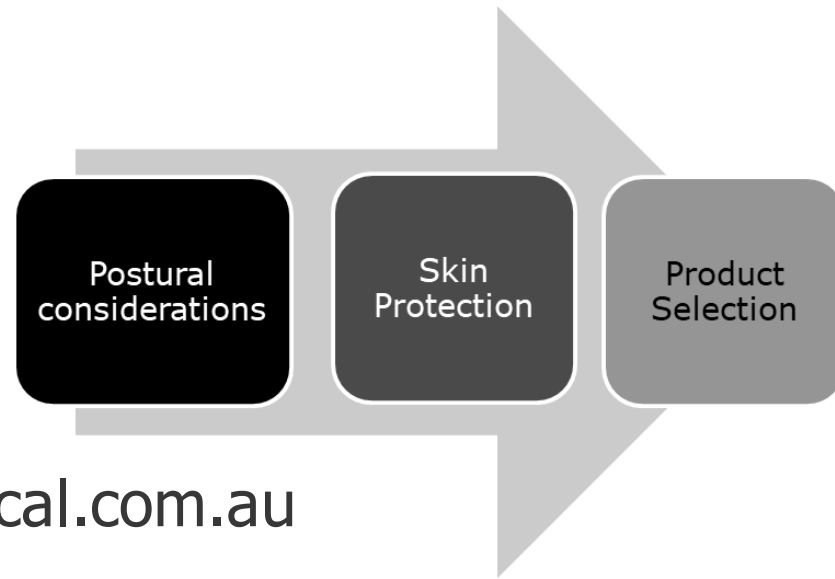


Next Steps

Using your MAT Assessment Findings to Inform Decisions



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Sunrise Medical

5 P'S FOR SUCCESS



Promote Function

Provide Rest

Protect the skin

Ensure **P**hysiologic function

Prevent further deformities



THE WHOLE ASSESSMENT

Patient Demographics

- Age
- Diagnosis / prognosis / co-morbidities

Medications

Special needs

- Respiratory, GI, orthotics
- Communication devices or other assistive technology

Surgical History / plans

Physical status

- Strength, neuromotor, tone
- ROM

Sensation / skin integrity



The image shows a 'Sunrise Medical - Referral Form' tilted at an angle. The form is divided into several sections with orange headers: 'Patient Demographics', 'Medical History', 'Current Medications', 'Special Needs', 'Surgical History', and 'Physical Status'. Each section contains various fields for data entry, such as 'Name', 'Address', 'Phone', 'Email', 'Diagnosis', 'Medications', and 'Special Needs'. The form is designed for comprehensive patient assessment and referral documentation.

MAT STEP 1 – REVIEW CURRENT CHAIR

- Look for areas of high pressure/shear
- What do you like most and least about the posture?
- What does the client like most and least?

Create a problem list and a priority list!









MAT STEP 2 – SUPINE ASSESSMENT

Assess available movement at the pelvis

- Anterior / posterior pelvic tilt
- Lateral superior / inferior movement
- Rotation

Assess effects on other body segments

Consider tone, spasticity

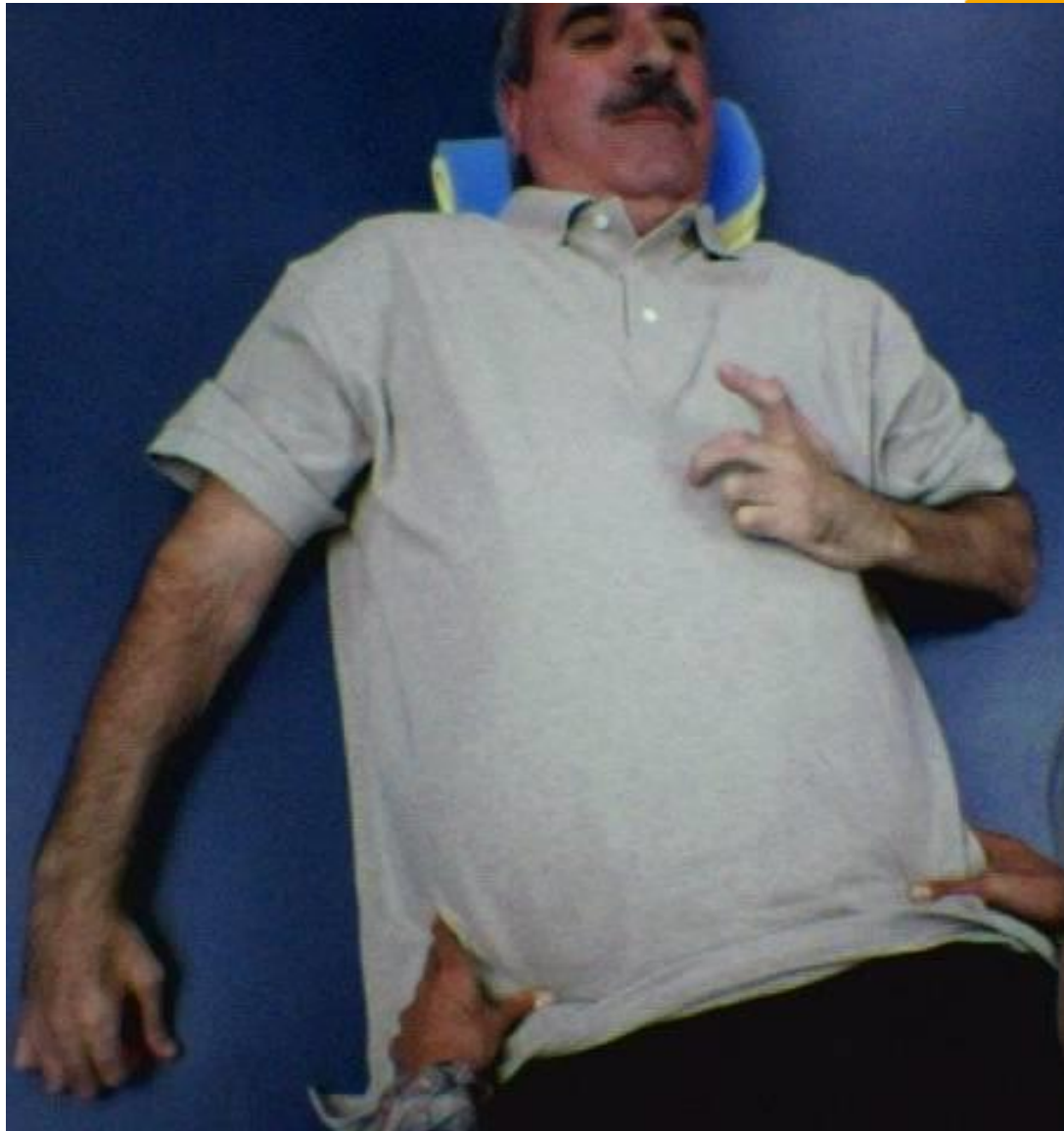
Assess comfort/ tolerance

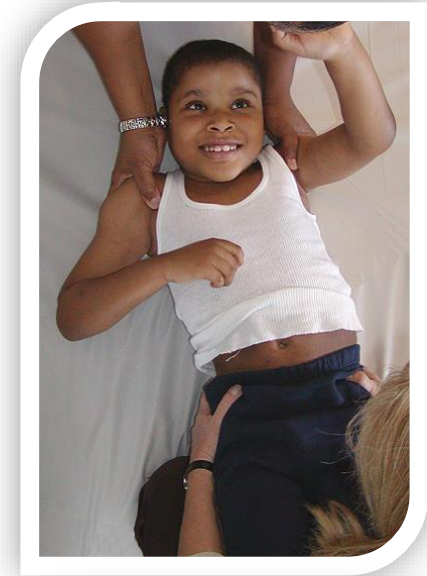
Assess ROM lower limbs

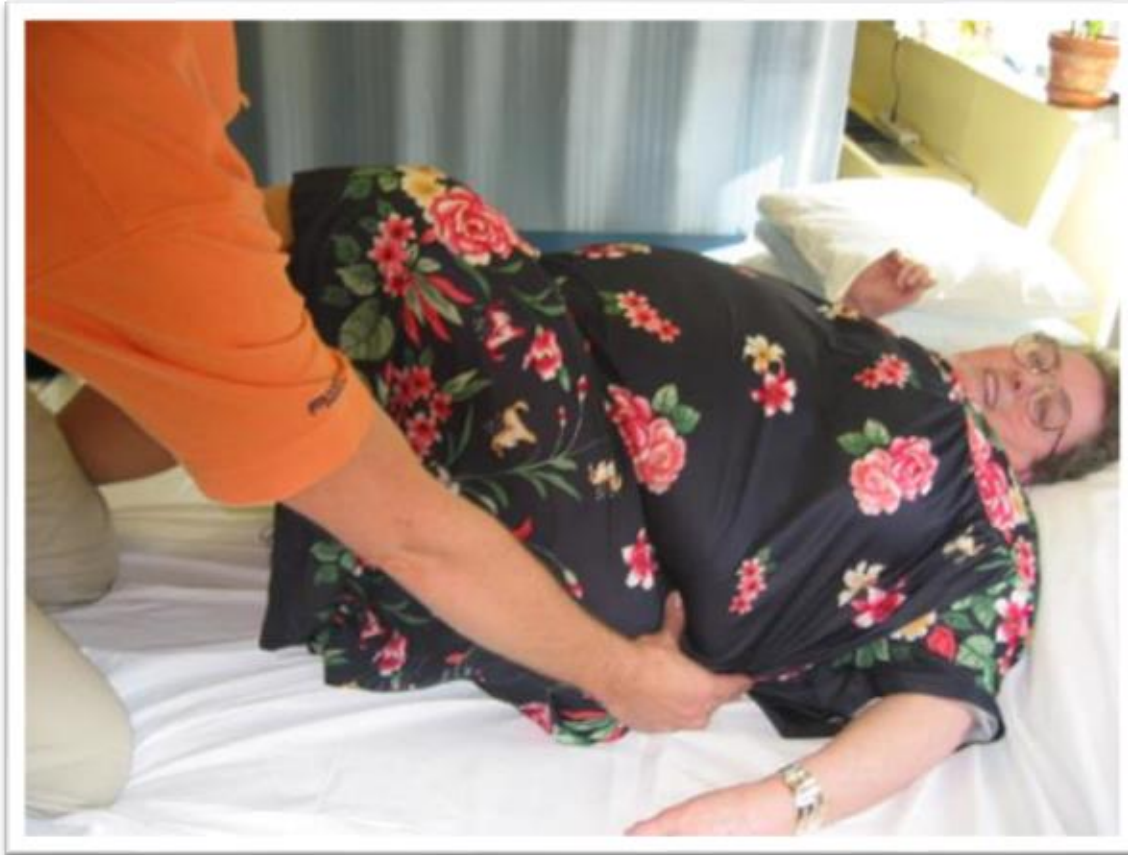


CONSIDERATIONS FOR SUPINE MAT EVAL

- **Plinth is not available** - a full length transfer board on a soft bed can be used for a short duration. Consider their skin integrity and time taken for completion of this part of assessment
- **Current pressure injuries** - delay supine assessment until such time all wounds have healed
- **Urinary catheter** - should be emptied prior to supine assessment.
- **Bariatric clients** - Monitor breathing
- **Spasms** – may be common for clients with SCI when initially positioned in supine

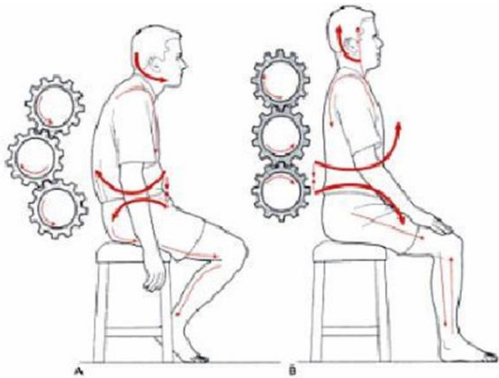






SUPINE MAT ROM

- Hip flexion
- Hip ab/adduction
- Hip rotation
- Knee extension
- Ankle dorsiflexion



MAT EVALUATION STEP 3

Sitting assessment

- Sitting balance
- Confirm findings from supine







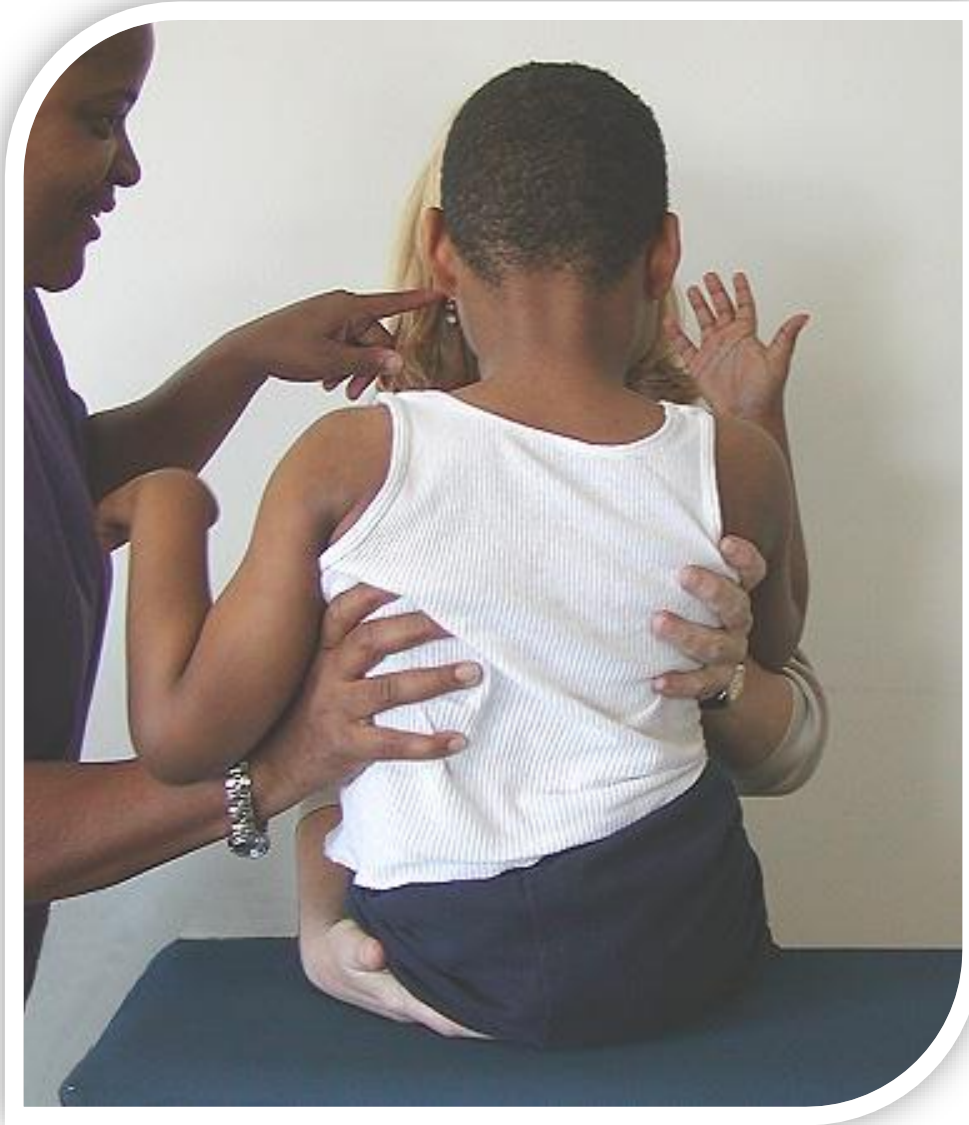
MAT EVALUATION STEP 4



- Simulate postural supports
 - Skin protection
 - Postural support
 - temp/ humidity/ shear at seating interface
- Consider frame type
 - What can you delete from the list of options?
- Configure chair close to what you think the client will need

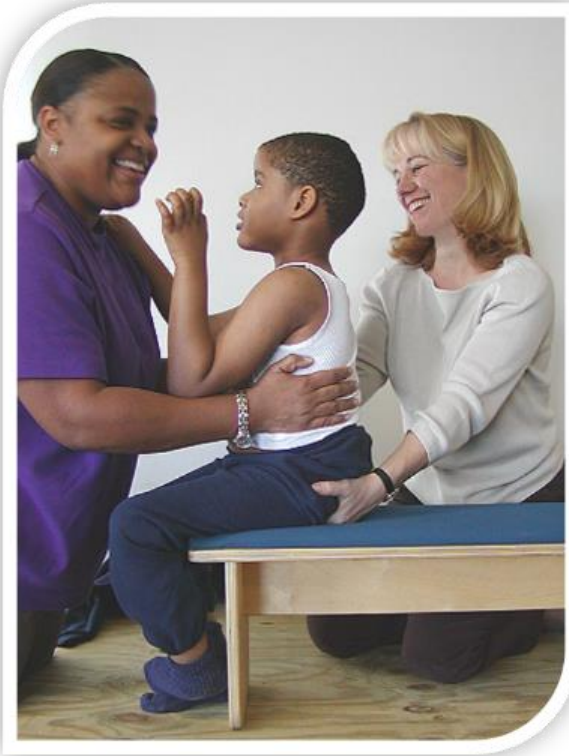
HAND SIMULATION





Simulate correction with lateral support and L build-up

SITTING BALANCE

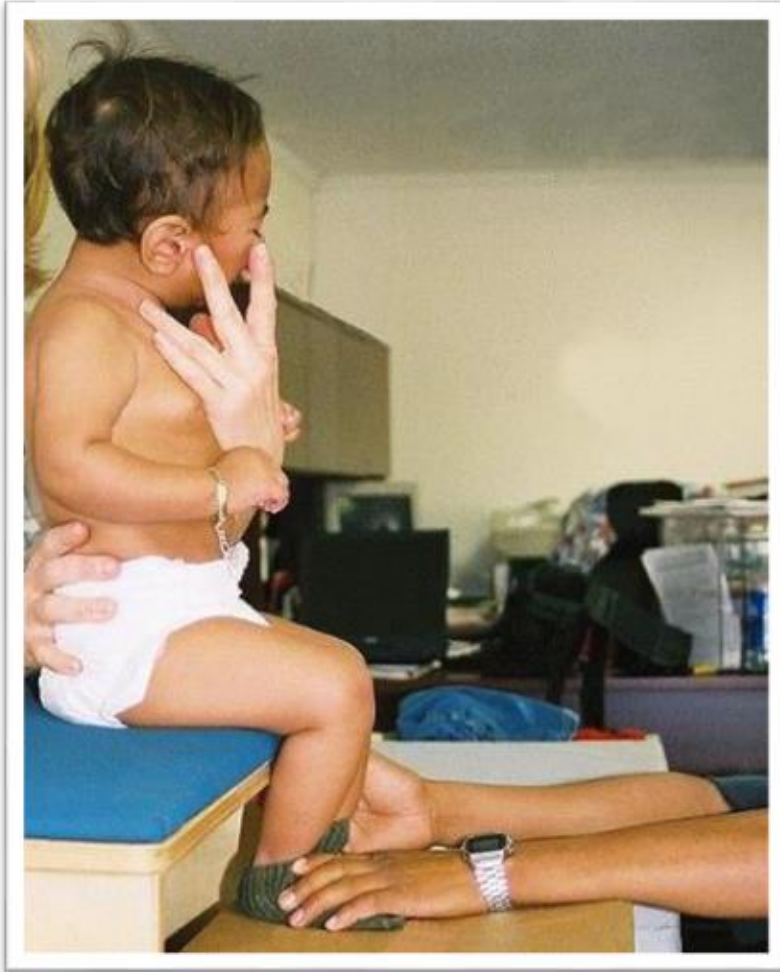








MAT – STEP 4 SIMULATION



WHY THE ASSYMETRY

Is it stability related?

Is it used for gross motor function?

Is it tone related?

Pain related?

Is it ROM / body shape related?



WHAT MUST BE PRESENT TO IMPROVE POSTURAL ALIGNMENT AT REST

- Flexibility
- Tolerance of correction
 - Skin, function, comfort
- Ability to position or be positioned consistently

FIXED OR FLEXIBLE

Flexible - which direction?

Toward correction?

Through midline?

To midline?



In the direction of destructive postural tendency?





Facilitating Posture

- Support posterior and lateral pelvis
- Support thoracic spine
 - Height and shape required
- Ischial contour in cushion
- Appropriate loading thru femurs



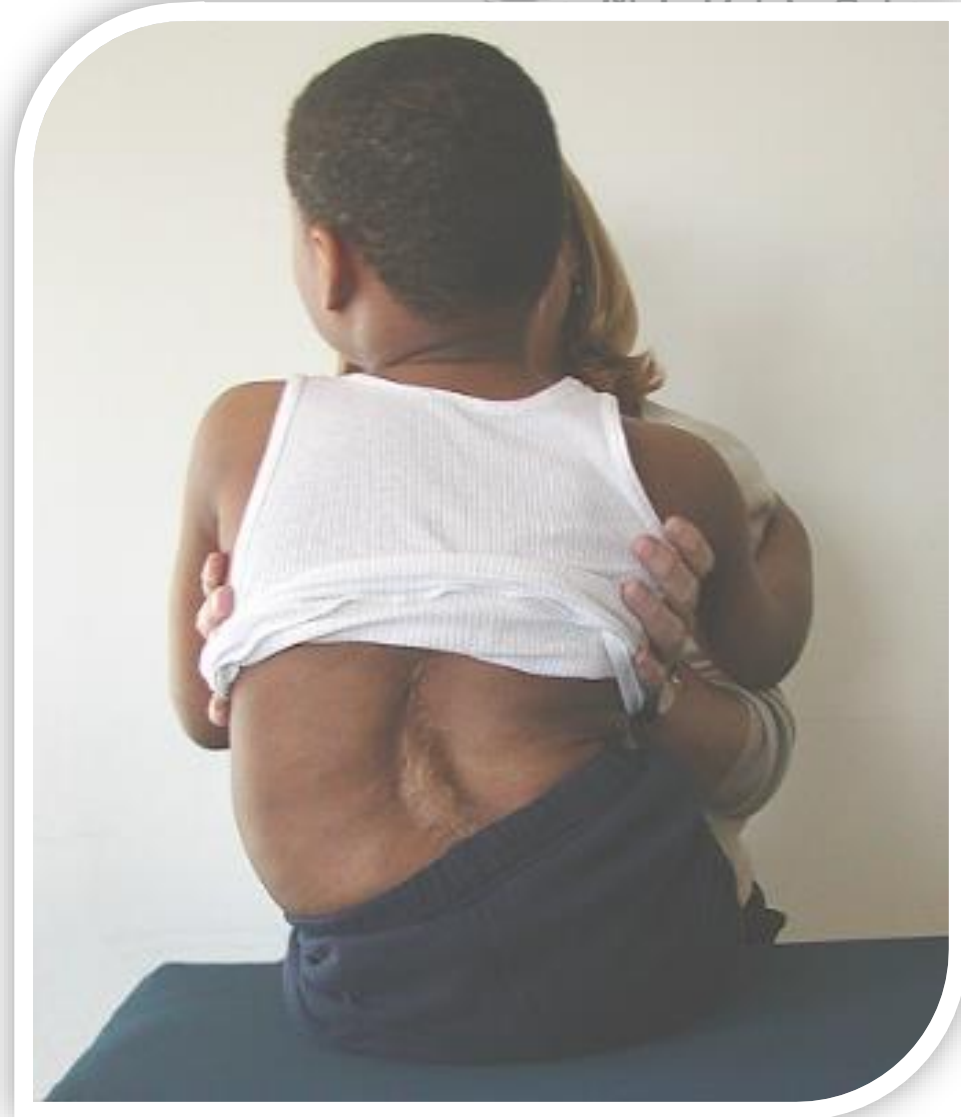
Shapes, Angles, Orientation

APPROPRIATELY CONFIGURED ACTIVE MWC



IMPROVING PEOPLE'S LIVES

PELVIC OBLIQUITY



ADD OBLIQUITY BUILD UP





Amber

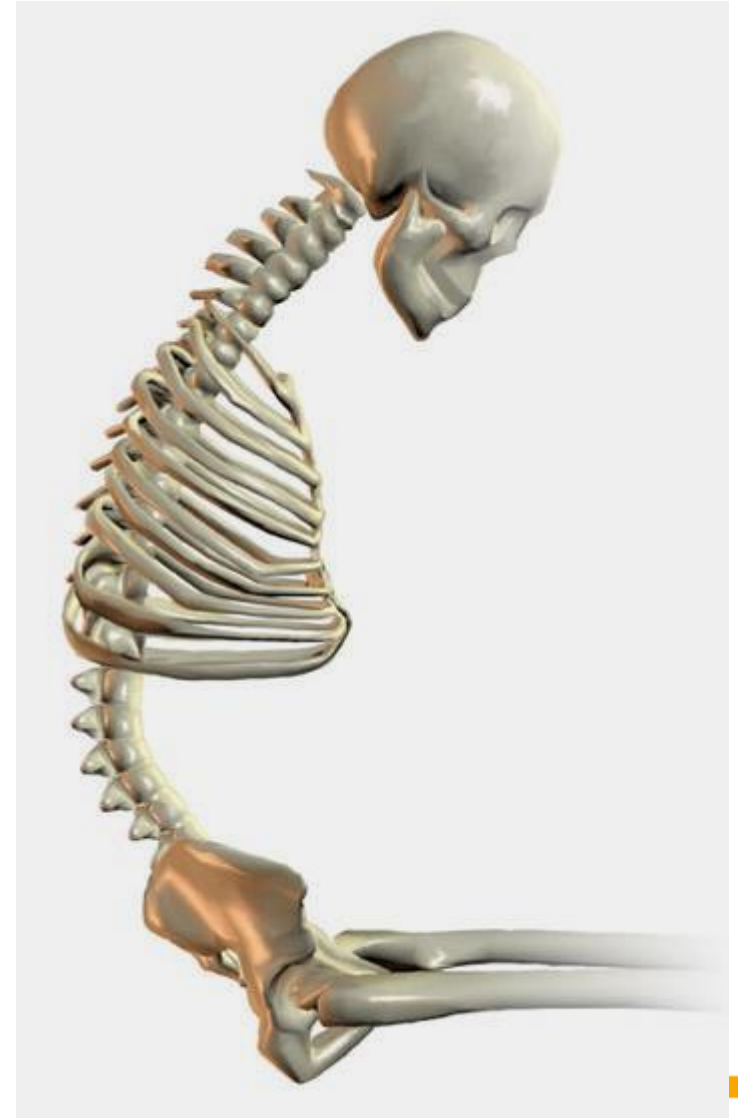
- T8 Paraplegia
- Active – going to Uni
- Living independently

Key points:

- Jay 3 with Shims
- Jay X2 with fluid 1" obliquity build up



POSTERIOR PELVIC TILT



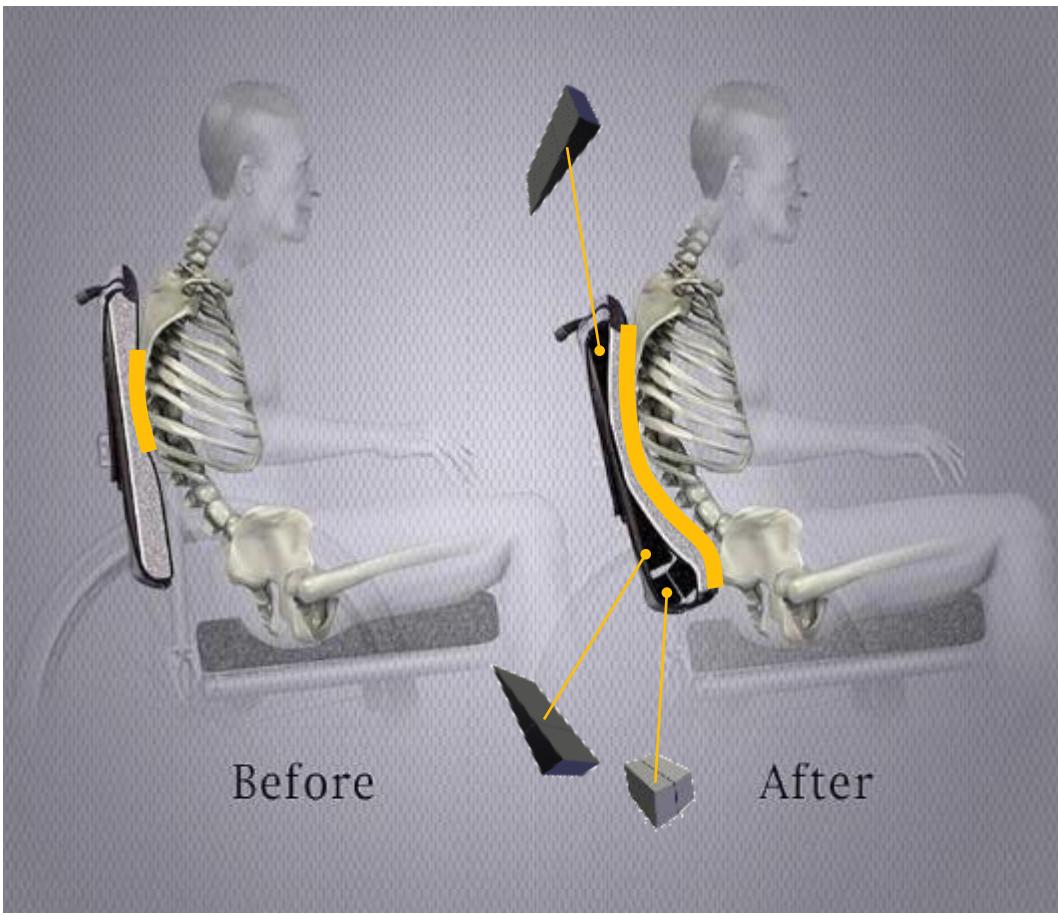
REDUCE POSTERIOR PELVIC TILT



Don't Forget:
you need the
Ishial shaping in
the cushion



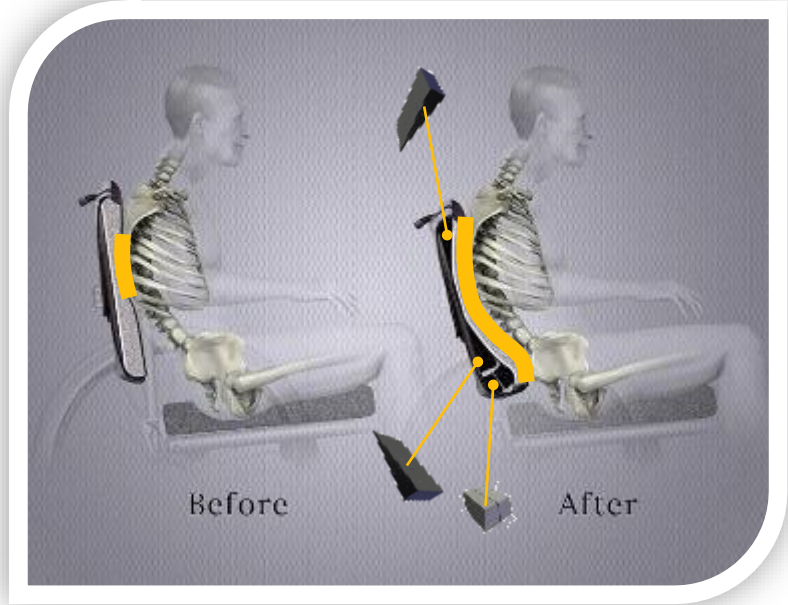
FIXED POSTERIOR PELVIC TILT



FIXED POSTERIOR PELVIC TILT



Accommodate





- Neck and back pain
- Skin issues
 - GT
 - Sacral
- Poor mobility

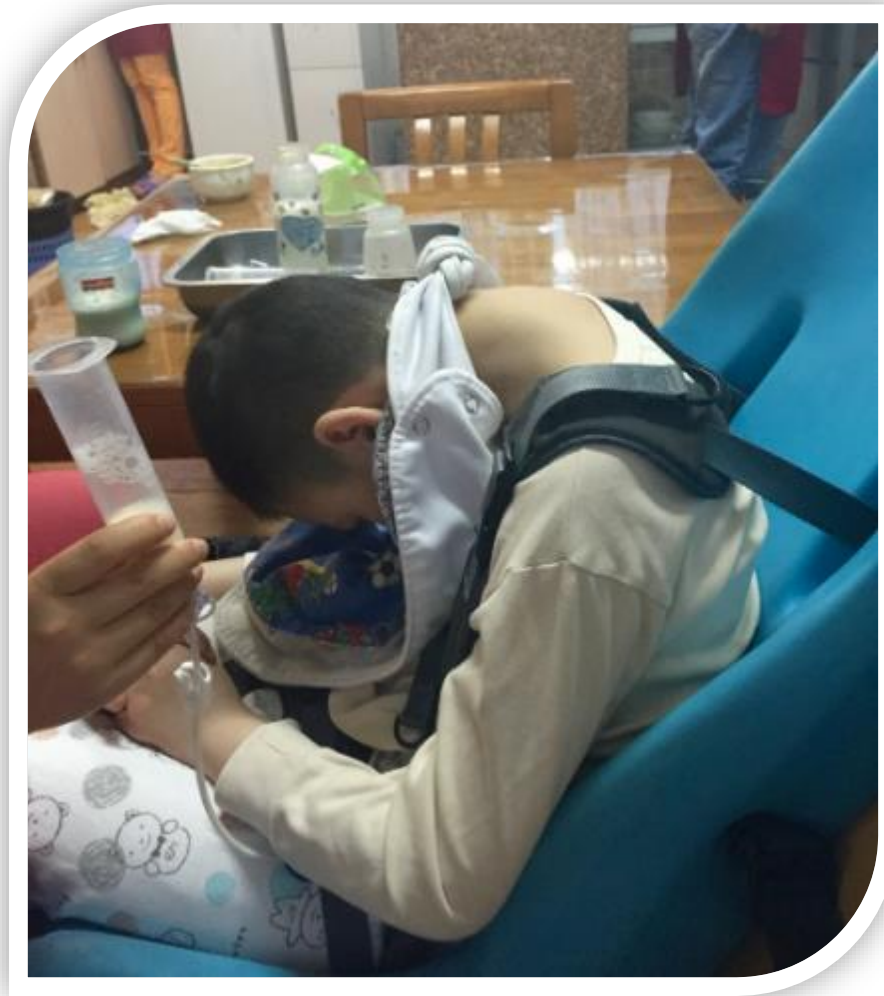


Key points:

- Jay 3 PAM™ backrest sacral shims
- Jay J2 cushion
- GT cutouts
- New Chair!!!



POSTURAL COLLAPSE







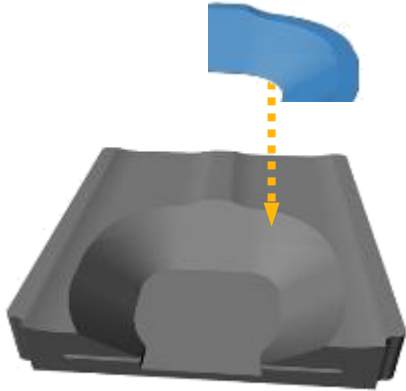
Key points:

- Jay 3 PDL backrest
- Sacral block
- Jay Fusion
- Large Adjusta-plush





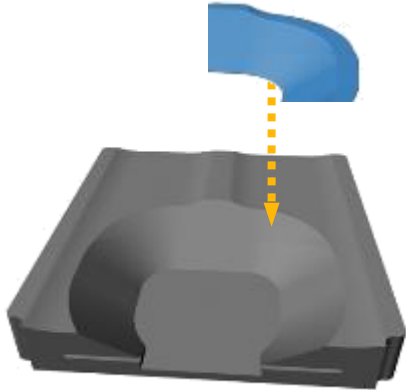
REDUCE THE ROTATION



- Posterior lateral wedge in backrest
- Anterior well reducer in cushion



ACCOMMODATE FIXED ROTATION



- Adjust well shape to match pelvic shape
 - Reduction ring
 - Fluid supplement pads



7 year old CP - Adam

Using standard stroller

- Skin breakdown pelvis
- Trouble breathing
- Not able to sit >2 hours
 - Lies in bed
- Increasing tone and motor control issues



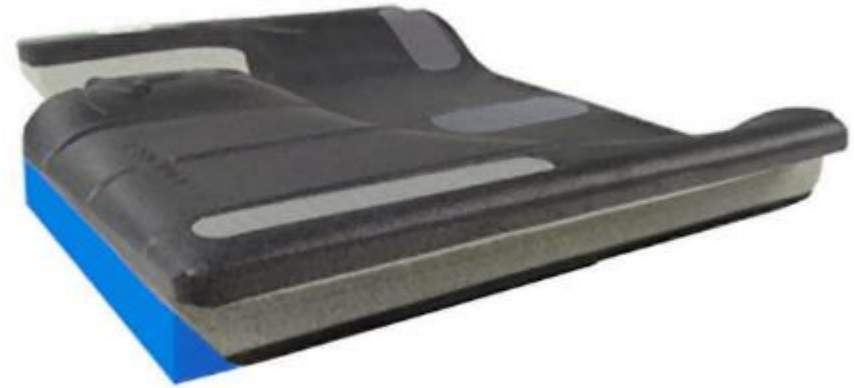


CONTRACTURE CUT



Leg length Cut - right

Contracture Cut



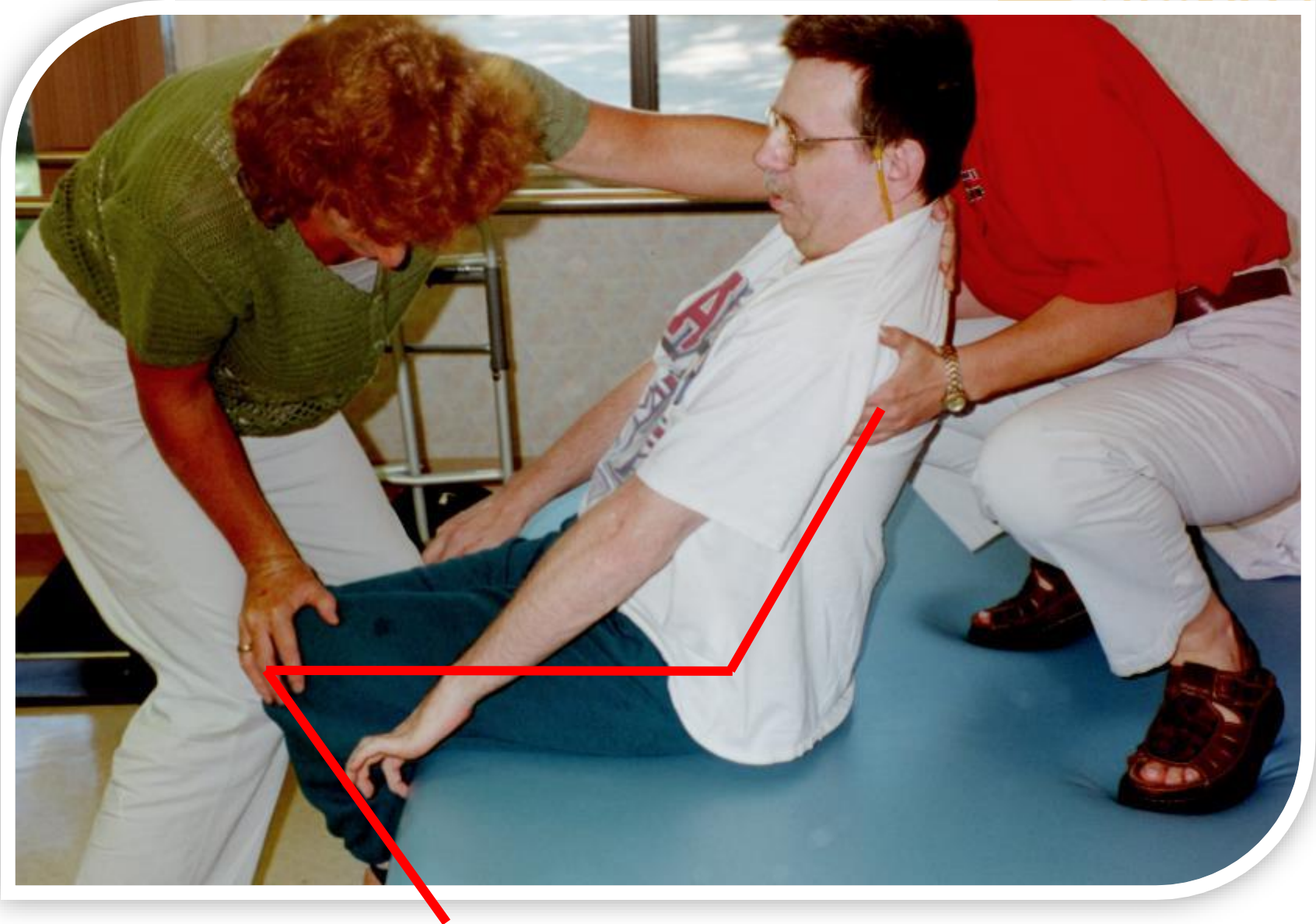


- Zippie TS
- Jay GS cushion
- Jay Fit backrest
Posterior Deep shape
- Whitmyer SOFT
- Custom footrests

45 YEAR OLD TBI - RAY



- Standard wheelchair
- Sliding out, injuring self and staff



LEG TROUGH CUT



Clinical Usage

- Accommodate hip extension contracture
- Protect residual limb
- Increase contour around upper leg



[JAY J2[®] Series Cushions](#)

[JAY Fusion[®] Cushion](#)

[JAY Easy[®] Cushion](#)

[JAY J3[®] Cushion](#)

[JAY Lite Cushion](#)

[JAY GS[®] Cushion](#)

■ IMPROVING PEOPLE'S LIVES

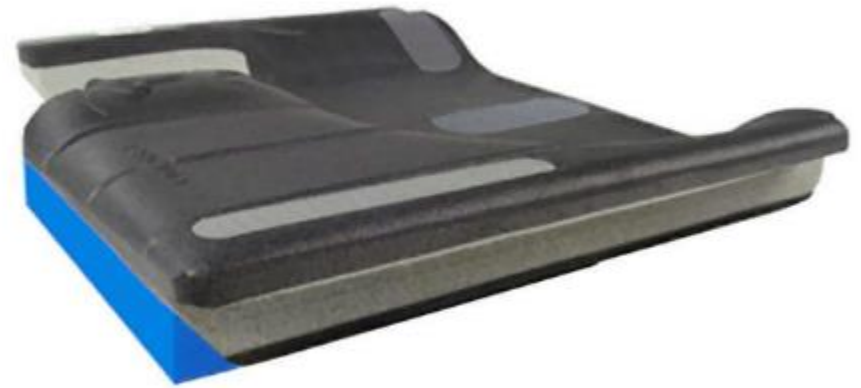
CONTRACTURE CUT



Clinical Usage

Accommodate tight
hamstrings

Allow bent knee position



[JAY X2[®] Cushion](#)

[JAY J2[®] Series Cushions](#)

[JAY Zip[®] Cushion](#)

[JAY Ion[®] Cushion](#)

[JAY Union[®] Cushion](#)

[JAY Fusion[®] Cushion](#)

[JAY BasicPRO[®] Cushion](#)

[JAY Basic Cushion](#)

[JAY GO Cushion](#)

[JAY Soft Combi[®] P Cushion](#)

[JAY Easy[®] Cushion](#)

[JAY J3[®] Cushion](#)

- Tolerating sitting majority of day
- Stable, less sliding

Quickie IRIS with contracture platform

- Jay 3 PD backrest
- Jay Fusion
Contracture cut
Leg troughing





Seating / JAY / JAY Your Way

JAY Your Way

Your seat is an important factor in your overall comfort, and we have made it a priority to provide seating designed to meet your specific needs. With JAY Your Way, JAY products are easily modified to meet your comfort needs and also your individual styles. From clinical improvements to colored covers, JAY Your Way modifies cushions and backs specifically to address unique individual needs and preferences. Do you need additional support? A cushion to fit perfectly on your chair?



JAY Your Way | Sunrise Medical

42 YEAR OLD WOMAN WITH SMA



- Lying down majority of day
- Pain 10/10 in standard chair
- Re-occurring skin issues

SITTING POSTURAL SUPPORT

- Accommodation and support of asymmetries
- Tolerates 2-3 hours in chair
- Skin healing
- Quickie IRIS
 - Jay GS cushion
 - Jay Fit backrest
 - Whitmyer SOFT headrest





ALTERNATE POSTURES THROUGHOUT THE DAY



- Semi sitting position on lounge chair
- Lying support system focused on **decreasing asymmetries**:
 - Left hip ER and Ext
 - Left knee Ext
 - Right knee Ext
- Lying support system working on **maintain/block** worsening:
 - Scoliosis
 - Supporting back lordosis
 - Lateral head position





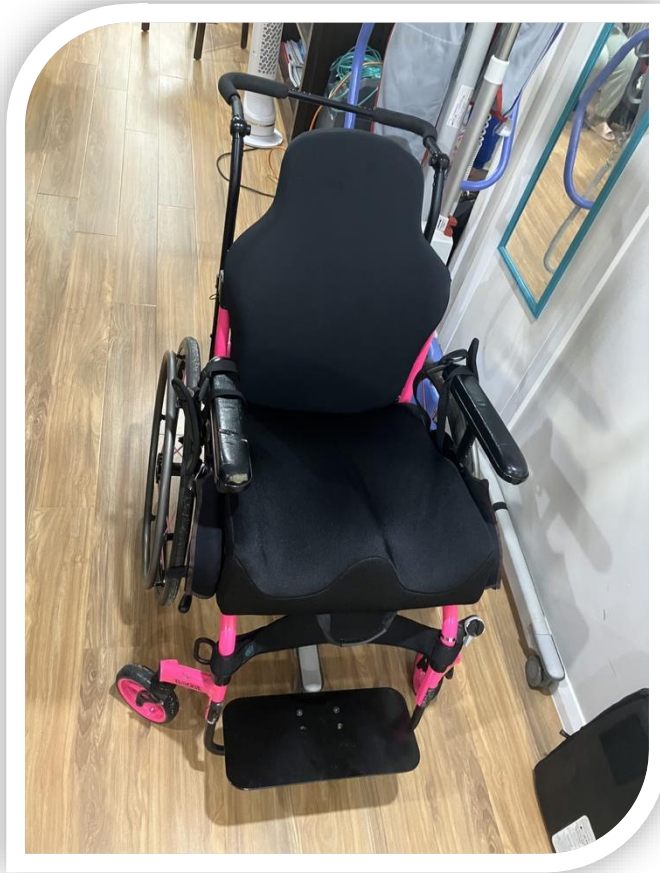
SAFIYA

- CP GMFCS IV
- Lives with family
- Attends special school, rides bus to school
- Age 11
- 80 kgs
- Sitting all day at school 9-3pm
- Able to propel short level distances

Posture

- Posterior pelvic tilt
- bilateral hip abduction with external rotation, partially reducible to midline with significant effort



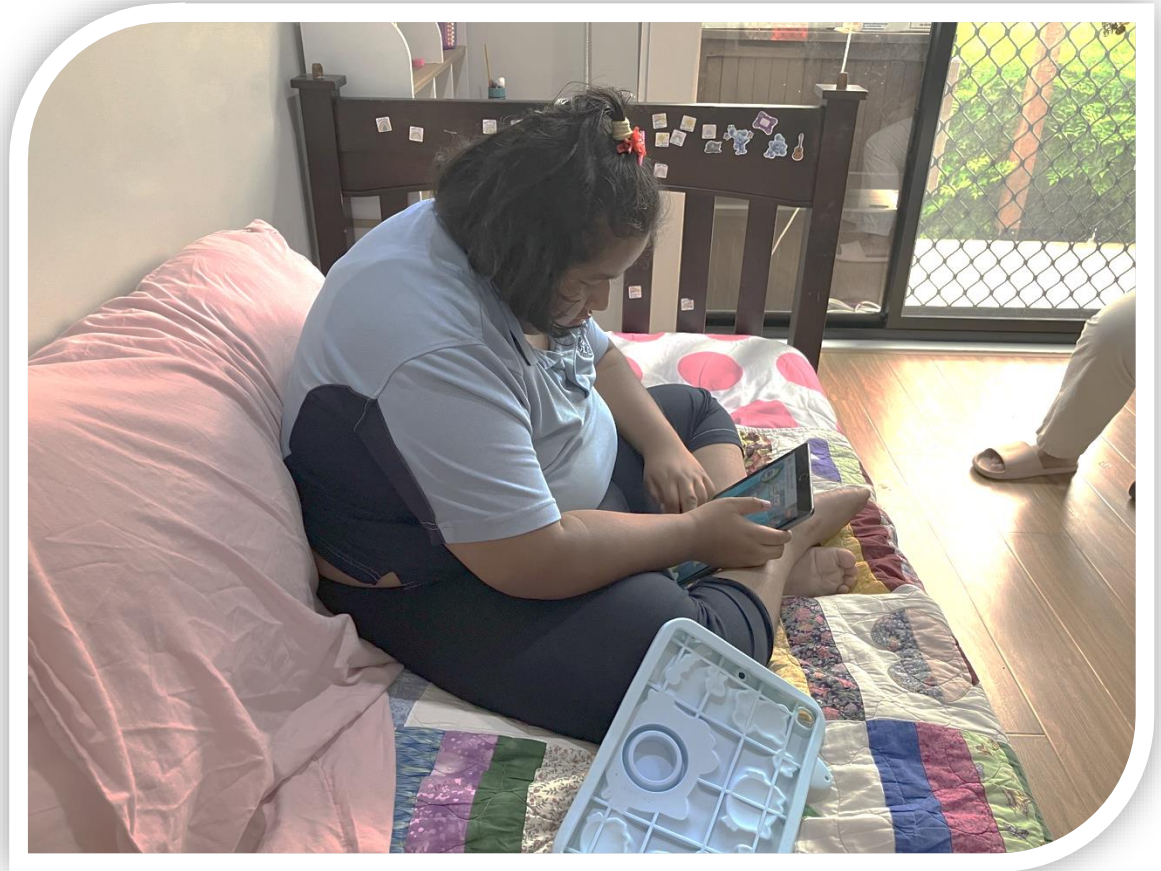


ALTERNATE POSTURE

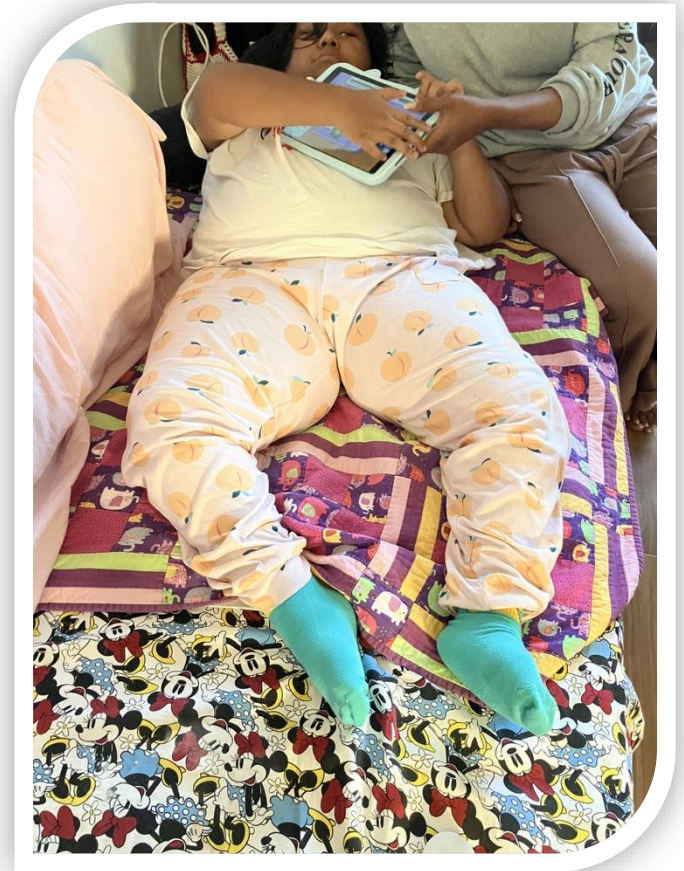
Lounge

Sits cross
legged

3 hours



ALTERNATE POSTURE LYING



25 YEAR OLD C7 TETRAPLEGIC



- EDEN



- Couldn't transport a PWC
- Wanted the flexibility of MWC
- Will add power assist
 - Currently looking at M90/R90

Goals

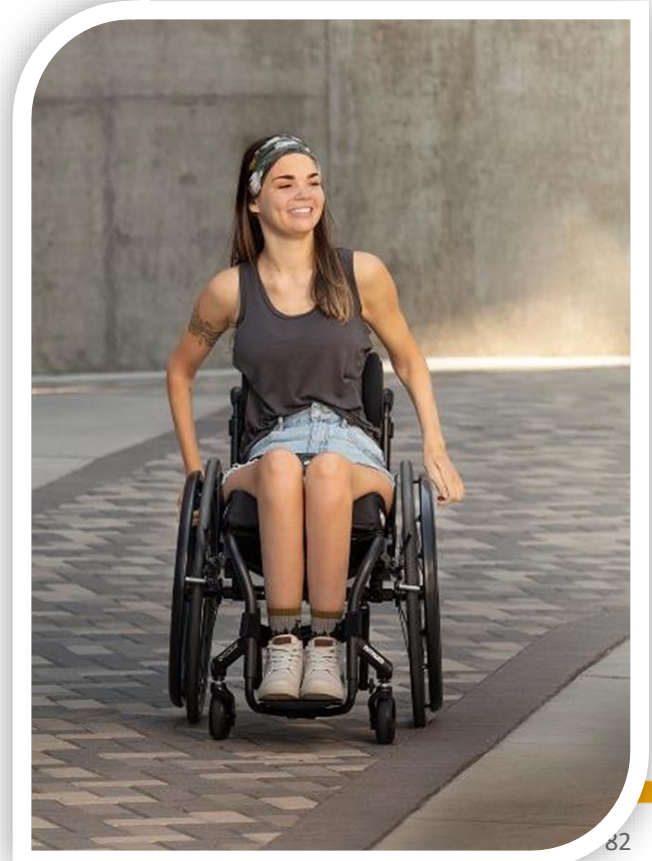
- Independent in wheelchair skills
- Posture supported and maintained despite high level of injury (no trunk control)
- Returning to school

Properly Configured **Postural Support**



Wheelchair **frame** that suits needs

Wheelchair **Configuration** that supports abilities and needs



OPTIMAL REAR WHEEL ACCESS

Tip of middle finger at hub

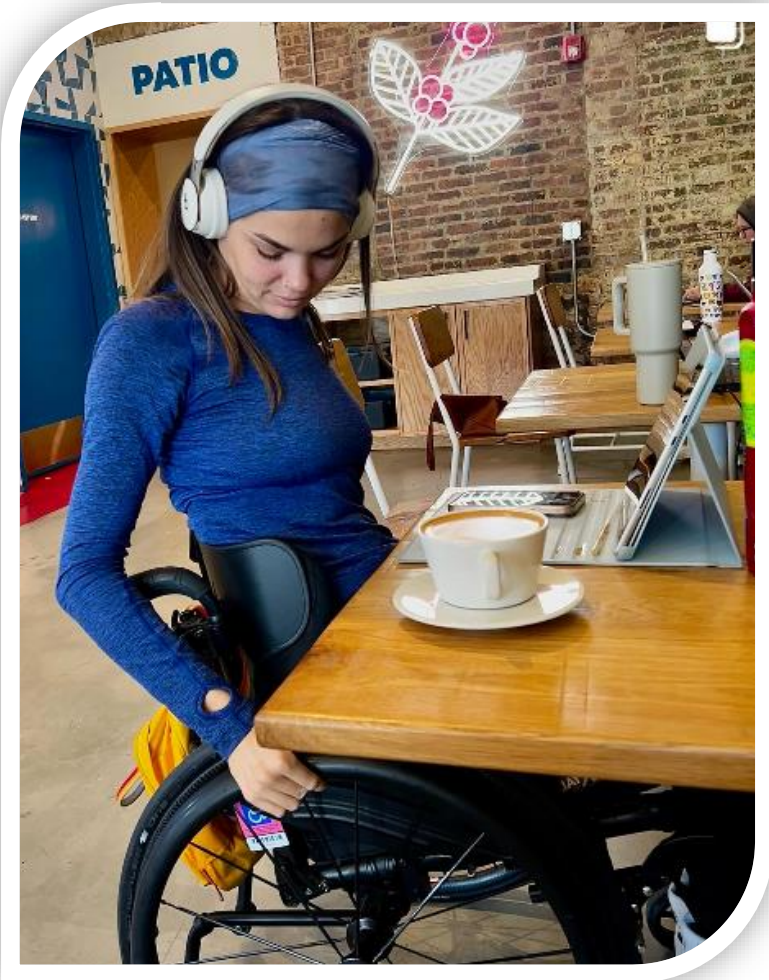
100-120° of elbow flexion at top of push cycle

70-80% weight over rear wheels

Good lateral access/camber



BACK CONTOUR









POWER ASSIST R90



WHEEL UP.

RIDERS CAN RAISE THE R90 OFF THE GROUND WHEN NOT IN USE.

THIS PATENT PENDING FEATURE PROVIDES **ZERO ROLLING RESISTANCE** WHEN MANUALLY PROPELLING.



POWER ASSIST M90



ASSIST – POWER AND PAWS



■ IMPROVING PEOPLE'S LIVES

XABIAN

- Undiagnosed movement disorder resulting in severe global dystonia
- No limits regarding joint range and prefers 90° upright posture
- Xabian is very bright and wants to be able to engage more at school and increase participation both in the classroom and outdoors with family and friends
- Issues around arms getting caught in areas of the chair which causes pain, stress and anxiety



CASE STUDY













Thanks for Attending

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