



chunc one

Clinical Justification Document

Specialist Paediatric Wheelchair for Long Term Postural Management

chunc one

1. Clinical overview

The Chunc One is a manual, attendant controlled paediatric wheelchair designed for individuals with moderate to complex postural and functional needs.

It provides a clinically configurable seating and mobility system, supporting:

- Postural alignment
- Pressure management
- Functional participation
- Long term musculoskeletal health

The system is suitable for children and young people requiring ongoing postural management as part of a 24 hour care approach.

2. Intended user group

The Chunc One is appropriate for users presenting with:

- Neurological conditions affecting posture and movement
- Reduced or absent independent sitting balance
- Asymmetrical posture (fixed or flexible)
- Abnormal tone (hypertonia, hypotonia, or fluctuating tone)
- Involuntary or uncontrolled movement patterns
- Reduced endurance and sitting tolerance



3. Clinical rationale for prescription

3.1 Postural management principles

The Chunc One is prescribed following established postural management principles:

- Pelvis as the foundation of alignment
- Support for neutral or optimised pelvic positioning
- Alignment of trunk and head to midline where achievable
- Accommodation of non-correctable asymmetries
- Facilitation of functional posture for activity and participation

3.2 Risk management

Provision of an appropriate seating system is clinically indicated to reduce risk of:

- Progressive postural deformity
- Scoliosis development or progression
- Hip migration and dislocation
- Pressure injury and compromised skin integrity
- Reduced respiratory efficiency
- Fatigue related functional decline



4. Key clinical features and justification

4.1 Tilt in space (up to 45 °)

Clinical benefits:

- Redistributes pressure and reduces peak loading
- Minimises shear forces during repositioning
- Supports respiratory function
- Improves orthostatic tolerance
- Assists with fatigue management
- Maintains postural alignment during position changes

4.2 Pelvic positioning system

Provides the foundation for all postural alignment

Clinical purpose:

- Promotes pelvic stability
- Reduces posterior pelvic tilt and obliquity where flexible
- Supports symmetrical weight distribution
- Enables improved trunk and head control

4.4 Head support

Available in standard and contoured configurations

Clinical purpose:

- Support head alignment
- Improve visual orientation
- Facilitate communication and interaction
- Manage fatigue related head drop

4.3 Trunk and lateral support

Configurable lateral supports and back systems

Clinical purpose:

- Maintain midline orientation
- Accommodate asymmetry
- Improve upper limb function
- Support endurance in sitting

4.5 Lower limb positioning

Includes footplates, leg supports, and optional pommels

Clinical purpose:

- Maintain hip and knee alignment
- Support pelvic positioning indirectly
- Reduce risk of windswept posture
- Improve overall stability

Tilt in space is a core component of the Chunc One system

5. Functional outcomes

When appropriately prescribed and configured, the Chunc One supports:


- Neurological conditions affecting posture and movement
- Reduced or absent independent sitting balance
- Asymmetrical posture (fixed or flexible)
- Abnormal tone (hypertonia, hypotonia, or fluctuating tone)
- Involuntary or uncontrolled movement patterns
- Reduced endurance and sitting tolerance

6. Growth and long term management

The Chunc One is designed as a long term postural management solution.

Clinical benefits:

- Modular adjustments accommodate growth in size and posture
- Reduces need for full equipment replacement
- Supports continuity of care
- Maintains consistent postural alignment over time



Expected service life:
Up to 10 years with
appropriate
maintenance

7. Assessment and prescription process

Each Chunc One is provided following a specialist clinical assessment, including:

- Postural assessment (pelvis, trunk, head)
- Range of movement and tone evaluation
- Functional assessment (activities of daily living, environment)
- Risk assessment (skin integrity, fatigue, deformity risk)

The chair is then:

- Individually configured
- Trialled in real world setting where appropriate
- Adjusted to optimise clinical outcomes

8. Configuration options

Standard:

- Seat and back support system
- Pelvic positioning
- Arm supports
- Transport certified frame



Enhanced:

- Lateral trunk supports
- Headrests
- Harness system
- Lower limb positioning options
- Functional accessories and mounts
- Growth and recline upgrades



Bespoke:

- Custom contouring
- Asymmetry accommodation
- Structural modifications
- Fully bespoke seating solutions



9. Transportation and safety

- Crash tested to ISO 7176-19 standards
- Suitable for occupied transport when appropriately secured

10. Summary for funding justification

The Chunc One is clinically indicated for individuals requiring:

- A specialist seating system for moderate to complex needs
- Tilt in space for pressure management and fatigue
- A configurable system to support postural alignment
- A long term solution that adapts to growth and change

Provision of this system is expected to:

- Reduce risk of secondary complications
- Improve functional outcomes
- Support participation in education and daily life
- Provide long term cost efficiency through modular design



[Request a clinical assessment](#)

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