

Sample Clinical Reasoning Form – Jenx Atom



Sample letters of medical necessity are not intended to provide exact guidance on how to apply for funding for any product or service. Every patient is unique, with their own individual needs. Ultimately, health care providers should undertake a robust clinical assessment of each patient and make an informed clinical decision regarding the appropriateness of a particular product for that patient. Applications to any funding source must be factually accurate and accurately reflect the individual needs of the applicant patient.

Jiraffe cannot guarantee the success in obtaining insurance or third-party funding of any kind.

How can Jiraffe help you?

**Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk**

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.

Seating

Standing

Sleeping

Therapy

Mobility

Bathroom

Describe who you are, your role, client's name and state the equipment you are seeking funding for

I am a qualified (insert profession) and I am writing this report on behalf of **X**. As **X**'s therapist, I am requesting funding for a Jenx Atom seating system. The Atom is a medical necessity which would not be required in the absence of disability, illness, or injury. The following report explains the medical justification.

Explain the client's diagnosis, disability and past medical history (Include functional ability and limitations in segmental body control, overview of other impairments)

X is 11 months old and has a diagnosis of Spastic Quadriplegic Cerebral Palsy, GMFCS Level 5. **X** was born at 32 weeks gestation following an emergency C-Section. **X** was referred to the Early Intervention team at approx. three months due to their presentation of high tone and abnormal movements. **X** is currently awaiting review with an orthopaedic consultant as part of a hip surveillance programme. **X** has a history of recurrent chest infections requiring hospital admission and management. **X** also had a small number of seizures following a hospital stay four months ago but it is now controlled by medication.

Tone/Movement/Strength: **X** currently has full ROM in all four limbs, but their extensor tone has increased since recent hospital admission four months ago. **X** still has retained their ATNR which is most evident in supine or when distressed. **X** has limited purposeful movement through their upper and lower limbs. **X** is unable to control their trunk against gravity and has very poor head control.

Posture: **X** adopts an extended posture in supine with internal rotation of the lower limbs and ATNR in upper limbs. This causes their head to turn to the left and increases distress in **X**. **X** is unable to sit against gravity and requires significant support from their family to interact with toys and feeding.

Ambulation/Functional Walking Status: non-ambulatory.

Cognitive Status: To be determined.

Communication: **X** is unable to communicate their needs.

Hearing: No history of hearing concerns.

Vision: To be determined.

Skin Condition/Integrity: **X** is at greater risk for skin breakdown secondary due to inability for independent repositioning. **X** is totally dependent for all positioning.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



Cardio-respiratory status: X is affected by recurrent chest infections, reflux and has a poor swallow effort. Therefore, it is assumed that the recurrent chest infections are due to aspiration. X is at significant risk for aspiration if not supported appropriately as result of these factors and poor head posture. X is awaiting SALT assessment to determine feeding plan and may be peg fed in near future.

Explain the impact of the client's diagnosis on their life (Discuss the implications and limitations without access to therapeutic equipment)

X is dependent for all care needs and activities of daily living. X is unable to stand or sit independently and will need significant postural support equipment to achieve these positions and maintain symmetry. X is unable to mobilise and needs assistance of carers for all repositioning. As X gets older, the burden on their family to support their positioning is ever increasing. There is also an increasing risk of safety for X as they are beginning to outgrow their baby bounce chair, of which the family current use for positioning and feeding needs.

If X does not have access to a suitable seating system, there will be a continued significant risk of aspiration due to poor trunk and head positioning, which both negatively affect swallow mechanics. X is also at the age where they are developing communication skills and wanting to interact with their environment more, of which he is limited at present as he must stay in a reclined position for safety. Having an appropriate seating system will provide them with the pelvic and trunk support they need to sit up against gravity and interact with those around them. Evidence shows that there is an increase in postural control and function for children with Cerebral Palsy when using an adaptive seating system, when compared to a standard chair (Sahinoglu et al., 2017).

Provide an overview of the equipment for which you are seeking funding and the physical benefits in relation to the client (Explain how the equipment will provide physical benefits to the client's individual needs, support with clinical references if able)

With proper access to the appropriate equipment, X can be supported in a symmetrical sitting position that can minimise the destructive effects of poor posture and minimise aspiration and respiratory risks. Being able to sit in different positions will also enable X to explore and develop their sitting ability.

Also, even though X currently does not have any contractures or scoliosis, evidence shows that those with complex needs are at significant risk of developing such secondary complications (Casey et al., 2022). Therefore, implementing an adaptive seating system into a 24-hour postural care plan will help reduce such a risk.

How can Jiraffe help you?

**Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk**

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



The Atom is robust and can be used beneficially to reduce and support and reduce X's ATNR and extensor pattern. It will enable X to feel safe and supported in sitting and will tolerate the forces of X's tone over long period of time. The wing-knobs provide a very simple way to adjust the chair for growth and creating different sitting postures to aid in X's opportunity to develop their sitting ability.

A recent systematic review also makes a conditional recommendation for the use of adaptive seating systems in people with Cerebral Palsy to help with improved upright posture for functioning, including swallowing and hand use, and participating in daily activities (Toohey et al., 2024). International Clinical Practice Guidelines emphasise the importance of harnessing a child's brain plasticity and aptitude for learning in their early years and make recommendations for supporting them in enriched environments, with task specific motor training that includes self-discovery of environment and enjoyable movement variety (Morgan et al., 2021). An easily adaptable and manoeuvrable, yet highly supportive, seating system like the Atom can help replicate these recommendations and can support X in maximising their development. A scoping review has also suggested use of an adaptive seating system as close to typical development for sitting in children with non-ambulant Cerebral Palsy can be beneficial for hip health (Paleg and Livingstone, 2022). Therefore, it is paramount funding is received for the Jenx Atom as soon as possible to maximise X's neuroplastic ability and reduce potential of secondary complications.

Describe the psychological benefits of equipment (Include benefits to carers and family as well as client if able, support with clinical references if able)

X is now showing more interest in their environment and wants to play more with their toys. However, due to their poor postural control in sitting, they struggle to maintain head position and eye contact with the task at hand. They often get very tired when doing tasks with their upper limbs, due to their current baby bouncer chair not sufficiently supporting their needs. Being seated low to the floor is also a difficult position for their family to transfer them in and out of as it poses a risk to back health as they get older and heavier. Family often report that they feel X isolated in their current chair and they would like something where they could be supported at different areas of the house and sit at the dinner table.

Discuss other equipment experiences that have not been appropriate for client (Why were the other equipment not appropriate in relation to the client's needs? Re-iterate benefits of Dreama in comparison, include specific details of other products as appropriate)

X has also tried the Leckey BeMe and the R82 Xpanda. Both chairs were able to achieve a satisfactory sitting posture but family felt both were difficult to use and found they looked too clinical for such a young child. The family are still coming to terms with X's equipment needs and would prefer something more age appropriate.



How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.

Seating

Standing

Sleeping

Therapy

Mobility

Bathroom

The Atom also provides very easy adjustability, without the need for tools. Therefore, it will be able to grow easily with X without appointments with the rep. Also, it is much easier for the prescribing therapist to advise the family on different sitting postures within the Atom (such as long sitting, reduced lateral support, reduced hip support) that can be part of X's regular therapy programme.

Describe the equipment and accessories being requested for the client

X will require:

- Atom Seat Unit
- Y-Base
- Multigrip Headrest (2 link)
- Shoulder Protractors
- Lumbar Pad
- High-rise Flexible Thoracic Support Pads
- Armrests
- Waistcoat Harness
- Nursery Tray
- Reduced Cut-out Tray Infill
- Activity Frame
- 4 Point Lap Strap
- Abduction Block
- Long-Leg Sitting Board
- Flip up Angle Adjustable Footplate
- Ankle Snugs



How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.

Seating

Standing

Sleeping

Therapy

Mobility

Bathroom

Use descriptions of medical necessity below to assist with the clinical need in relation to the client, delete items as appropriate.

Jenx Atom components and medical necessity

(Delete items as required)

Item	Description of Medical Necessity
Atom Seat Unit 	The seat unit has a significant growth range which will last until X is approximately four years old. The memory foam ischial well- Provides comfort and pressure distribution as ischial tuberosities will be supported with the cushion. This will also promote correct pelvic alignment and provide proprioceptive feedback. Wipe clean cushions for infection control practise. This is especially important for X's reflux and messy play. Tool free adjustment so we can adapt the chair regularly for growth and changing postural need.
Y-Base 	The Y-Base offers a height range of 335-755mm, alongside lockable swivel castors. The height range will enable X to access different areas of the home, especially the dinner table, without posture being compromised. It will also enable a much better height for his family to lift them into the chair, reducing the impact on their back health. Tilt-in-space 30° posterior – 10° anterior to aid with manual handling in and out of chair but also to offer changes in gravitational effect on X's postural ability and head control.
X-Base Black 	A compact, robust and cost effective base with high-low and tilt-in-space functionality. With lockable, swivel castors and a height range of 375-545mm. Tilt-in-space 30° posterior - 10° anterior.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.

X-Base White 	The white based version of the X-Base offers a higher height range of 395-595mm, meaning it can now allow children to engage with family members and friends at dining table height with ease. Tilt-in-space 30° - 10° prone
Wooden High Base 	Compact and cost-effective base option for those who do not need to change the height of the seating unit. This base also provides a smaller footprint than the Y-Base. Fixed height of 500mm, tilt in space of 20° posterior and lockable swivel castors.
Wooden Low Base 	Compact and cost-effective base option for those who do not need to change the height of the seating unit. This base also provides a smaller footprint than the Y-Base. Fixed height of 360mm, tilt in space of 20° posterior and lockable swivel castors.
Multigrip Headrest 	Multigrip enables the headrest to be adjusted in multiple planes and asymmetrically to facilitate optimal head positioning for X. Supporting the head and neck will reduce X's level of fatigue, holding the head in a midline position and promoting visual engagement. This can enable children to interact with their toys and family more often and aid their cognitive and communicative development. Having optimal head positioning will also reduce the risk of aspiration and aid in clearing airways. This may contribute to reducing X's frequency of chest infections and hospital admissions.
Contoured Headrest 	Simple and cost effective option for those who require minimal prompting to maintain head in midline position.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



Shoulder Protractors 	Deeply padded protractors are independently angle adjustable to provide bespoke support and prompting at upper limb for X to maintain midline and reduce opportunity to go into extensor pattern. X's head control improved with the use of the shoulder protractors. These can be easily flipped away, without tools, for when we want to challenge X's upper trunk control.
Lumbar Pad 	Provides additional lumbar support to facilitate optimal pelvic positioning, should the child push into sacral sitting.
Back Pad Infill 	50mm deep to shorten seat depth further, for very small children.
High-rise Thoracic Support Pads 	Independently adjustable in height, width and angle. Small thoracic pads for those who need minimal prompting to keep trunk in midline. Single handed push button to flip away or change angle of contact along trunk.
High-rise Flexible Thoracic Support Pads 	As above but with flexible wrap around laterals to provide a greater surface area of contact for those who require great facilitation and support. This also significantly increases the level of proprioceptive feedback X experiences in the chair, helping them feel more secure and reducing frequency of extensor pattern.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.

Armrests 	Independently height and angle adjustable, with clear markings to aid care giver use. X requires armrest to attach the tray but also to support their forearms, encouraging a more elevated trunk position and creating a stable base for head control.
Armrest Covers 	Removeable covers to create cushioning on armrest if tray not in situ.
Waistcoat Harness 	Additional support to the trunk and provides significant proprioceptive feedback to X. Soft PU is flexible and cushioned but also provides a wipe clean surface. This aids in infection control, especially with X's high risk of reflux and vomiting in feeding.
Nursery Tray 	Large surface area for child to play or prop forearms against when working on head control. Smooth wipe clean surface enables suction toys to be attached.
Reduced Cut-out Tray Infill 	Provides a more proximal fit of the tray to the smallest Atom chair users. As the child grows, the infill can be removed, and the standard tray profile will be in place. This overlay provides the perfect surface for use with suction toys, anchors or grab bars

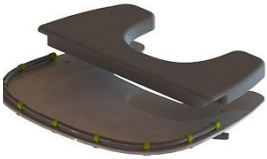
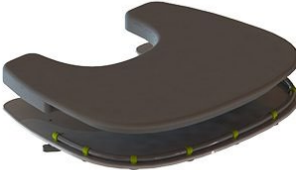
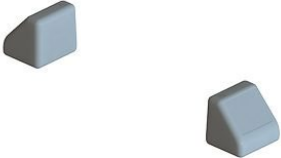
How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.

Nursery Tray Half Padding 	To provide padding for the area of the tray where children may push through their elbows to provide stability in difficult motor tasks, whilst still maintaining an area of tray that toys/ messy play can take place.
Nursery Tray Full Padding 	Providing padding on total surface area of tray for those prone to injuring themselves on supportive surfaces due to tone or dystonic movements.
Tray Elbow Blocks 	To encourage arms to stay in midline or limit excessive retracted position of shoulders.
Activity Frame 	Accessory for attaching toys or sensory objects onto the tray to encourage hand/eye co-ordination. Height adjustable and simple to remove.
Grab Bar 	For children who need to fix with one hand to increase functionality.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



3 Point Lap Strap 	A lap strap with the additional safety of a groin harness. Ideal for smaller users. Padded strap increases comfort and dissipates pressure over abdomen.
4 Point Lap Strap 	Provides additional pelvic control by allowing a more tailored position with independently adjustable straps. Use in conjunction with the Lumbar Pad to ensure reduced posterior pelvic tilt or sacral sitting.
Abduction Block 	The Abduction Block is ideal for creating separation between the knees to prevent adduction.
Long-Leg Sitting Board 	Easily attached and removed with just 2 wing knobs, the Long-leg Sitting Board can be used for practicing an alternative long-leg seated position in keeping with typical development or for those needing hamstring stretch. Adjustable support blocks attach by hook and loop fastener. All other settings remain unchanged making the change from regular to long-leg sitting quick and easy.
Leg Control Pads 	Perfect for controlling leg positioning. Each leg is guttered in a soft, adjustable cup which can be adjusted for width and angle. Ideal for controlling wind sweeping or creating an abducted seating position.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



Fixed Angle Footplate 	An effective footplate which allows Sandals to be positioned further apart for abduction.
Flip-up Angle Adjustable Footplate 	Effortlessly flips away to aid in transfers. Ideal for where plantar or dorsi flexion accommodation is required.
Footplate Pad 	Attach to the Flip-up Angle Adjustable Footplate to give a softer surface for children who don't require more structured foot positioning or may need alternative sensory input for their individual needs.
Sandals 	Available in 2 sizes, Sandals are ideal for positioning feet where a firmer hold on the foot is required. Jenx Sandals are interchangeable across the entire range of Jenx seating and standing products.
Ankle Snugs 	An optional foot accessory to the standard Sandals, the Ankle Snugs offer improved proprioceptive feedback to the foot and ankle. Unique magnetic buckle fastening mechanism, which can be operated single-handed.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



Booties 	Booties provide gentle and comfortable support for tiny feet even without shoes. They are soft and padded with no fiddly straps, press studs or buckles.
Sandal Raising Blocks 	Available for every size of Jenx Sandals, the raising block kits give the Sandals extra height where needed. Use to accommodate lower leg-length discrepancy or to raise the height of the footplate to maximise the available growth.

Goals of Recommended Equipment (Client and Carer's voice should be central to goals, goals should be personal to client's individual needs)

X's carers want to improve their child's comfort and sitting ability, and have X more involved in day to day life in the home;

- To improve **X's** sitting balance posture against gravity
- To provide functional and safe positioning
- To reduce tone and dystonic movements
- To prevent further postural deterioration
- To maintain and improve internal functioning
- To reduce energy expenditure and improve overall energy levels
- To minimise aspiration risk and improve postural drainage
- To reduce distress and possible pain
- To reduce burden for caregivers
- To improve on **X's** ability to interact with family and overall well being

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



How does prescription of this equipment incorporate the F-Words in Childhood Disability (Rosenbaum & Gorter, 2011)?

FITNESS- The Atom provides optimal support to create a stable and symmetrical posture that allows for reduced energy expenditure and helps avoid prolonged 'destructive' postures that may affect internal functioning and lead to musculoskeletal abnormalities. It encourages active sitting and play that may also help build **X**'s stamina and reduce their fatigue.

FUNCTIONING- The support and adjustability of the Atom encourages development of postural control and motor skills. **X** will need significant support to sit in the Atom but the tool free adjustability of the accessories will enable family to explore more challenging positions to aid in **X**'s development (where appropriate). Support at the trunk and pelvis allows **X** to focus on their upper limb and fine motor skills – improving their ability to play with toys and self-feed.

FRIENDS- The Atom enables **X** to experience movement and positioning like their typically developing peers. It can encourage floor-based play or play at table height with friends and family and its adaptability encourages further progression in development so they can participate in more activities with friends.

FAMILY- The compact size and mobile base of the Atom means it easily fits into the home environment and can easily be moved from room to room. It can be used for play, therapy or feeding. Its ease of use, tool free features and wipe clean surfaces help ensure the care burden associated with its use is kept to a minimum.

FUN- The Atom tray can hold some of **X**'s favourite toys and puzzles at playtime. **X**'s mum feels the Atom will be pivotal for enabling them to join in more with fun family activities at home.

FUTURE- The Atom will be used in conjunction with **X**'s therapy programme to progress their physical skills. It will compliment their therapy and daily routines, and its adjustability will help support **X**'s development. An aspect of **X**'s future therapy is continuing to develop their sitting balance and increase their energy levels. The easy adjustability of accessories and different sitting positions the Atom can provide will support these goals.

Discuss costs of not having equipment/cost benefits with the equipment in place

Without any seating support, **X** is at significant risk of further postural changes due to immobility and the destructive effects of gravity and tone on the body. This could lead to expensive surgical intervention and follow up care. Generally, it could lead to increases in therapy, medical intervention, care and equipment needs. The Atom could help prevent these further cost implications when used in conjunction with **X**'s current therapy programme.

How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.



Jenx Limited. Registered in England and Wales. Company Registration Number 1808921. VAT Number 308 8237 51.



Summary/Conclusion

The Atom will be invaluable to X's 24-hour positioning programme, ensuring multiple safe, stable and symmetrical seating positions where they can work on head control and interacting with their peers. The Atom will help to prevent further postural deterioration, maintain internal functioning and reduce the risk of aspiration. The Atom will provide a comfortable and supportive base for X to develop upon their sitting ability and head control. The hi-low base will provide an easier and safer option for family to transfer X, reducing risk of back injury and reducing burden of care.

It is essential funding is provided for the Atom so X can have optimal quality of life.

Signed:

Date:

Include pictures showing the different positions the Atom can support



How can Jiraffe help you?

Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.

Seating

Standing

Sleeping

Therapy

Mobility

Bathroom

References

- Casey J, Agustsson A, Rosenblad A, Rodby-Bousquet E. Relationship between scoliosis, windswept hips and contractures with pain and asymmetries in sitting and supine in 2450 children with cerebral palsy. *Disabil Rehabil.* 2022 Nov;44(22).
- Morgan, C. et al. Early Intervention for Children Aged 0 to 2 Years With or at High Risk of Cerebral Palsy: International Clinical Practice Guideline Based on Systematic Reviews. *JAMA Paediatrics.* 2021; 175(8), 846-858.
- Paleg, G. & Livingstone, R. Evidence-informed clinical perspectives on postural management for hip health in children and adults with non-ambulant cerebral palsy. *Journal of Pediatric Rehabilitation Medicine: An Interdisciplinary Approach Throughout the Lifespan.* 2022; 15(1): 39–48.
- Rosenbaum, P. & Gorter J. The ‘F-words’ in childhood disability: I swear this is how we should think! *Child: care, health and development.* 2011; 38(4): 457–463.
- Sahinoğlu D, Coskun G, Bek N. Effects of different seating equipment on postural control and upper extremity function in children with cerebral palsy. *Prosthetics and Orthotics International.* 2017;41(1):85-94.
- Toohey, M., Blatch-Williams, R., Budini, K., Ferreira, A., Griffin, A., Hines, A., ... & Novak, I. Effectiveness of postural interventions in cerebral palsy: umbrella systematic review. *Paediatrics and Child Health.* 2024;34(8): 257-258.



How can Jiraffe help you?

**Call us for a chat on 0114 285 3376
or email us at hello@jiraffe.org.uk
For all the info visit jiraffe.org.uk**

Jiraffe, Wardsend Road, Sheffield, S6 1RQ.

Seating

Standing

Sleeping

Therapy

Mobility

Bathroom