

HELIO KIDS

Clinical notes

CLINICAL ISSUE	SOLUTION	WHY MOTION COMPOSITES
The client has potential to grow in height over the life of the wheelchair and needs the wheelchair to grow with them.	Using a wheelchair with built in seat depth adjustability.	The Helio Kids built in seat depth adjustment provides 3 inches (7.6 cm) of growth. The Helio Kids grows by moving the backcanes, not by expanding the frame. This means that the uni-body frame is not compromised with holes or joints.
The client is at risk of upper extremity pain and injury due to overall load weight during self-propulsion.	Using a wheelchair made of the lightest materials available.	The Helio Kids is made of carbon fiber which has the highest strength to weight ratio of any wheelchair frame material. It is the lightest wheelchair available in its category (lightweight performance manual wheelchair).
The client is at risk of upper extremity pain and injury if proper pushrim ergonomics are not used.	Using a wheelchair that allows for individualized and precise rear wheel adjustment.	The Helio Kids rear wheel axle allows for 5 inches (12.7 cm) of rear wheel height adjustability in ¼ inch (0.64 cm) increments. This is one of the widest ranges with the most precision available.
The client is at risk of upper extremity pain and injury if distribution of weight over the rear wheels is not achieved.	Using a wheelchair that allows for individualized and precise centre of gravity adjustment.	The Helio Kids rear wheel axle allows for 3 ¼ inches (8.3 cm) of COG adjustment in ¼ inch (0.64 cm) increments. This is one of the widest ranges with the most precision available.
The client's height requires that they have a wheelchair with a low front seat to floor height for accessibility and transfers. Also the client's goal is to facilitate social interaction with same aged peers.	Using a wheelchair with a super low front seat to floor height to accommodate transfers and facilitate eye to eye communication with same aged peers.	The Helio Kids offers a front seat to floor height of 13.5 inches (34.3 cm), one of the lowest available.
The client wants to maintain independent propulsion at home and/or in the community and needs an efficient, adjustable, folding wheelchair.	Using a wheelchair that is highly adjustable and is designed to feel and perform like a rigid wheelchair with the convenience of a folding frame.	The Helio Kids folds in the traditional fashion and has several design features (uni-body side frame, symmetrical molded crossbrace, and ultra-rigid folding system) that, along with correct set up, ensure an incredibly efficient ride.

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The client wants/needs to maximize cost effectiveness over the lifetime of the wheelchair.	Purchasing a performance wheelchair vs a standard wheelchair with proven durability.	The Helio Kids is a performance wheelchair (adjustable and made of high quality materials). It exceeded the minimum 200 000 cycle requirement on the RESNA test of strength and durability by 2X for a total of 400 000 cycles.
The client wants to maximize activity level, community involvement and independence.	Evidence shows that using a lightweight wheelchair that performs well reduces the incidence of wheelchair non-use/abandonment.	The Helio Kids is the lightest wheelchair available in its category and has been designed for performance.
The client has reduced dexterity and motor planning abilities and needs to independently operate wheelchair adjustments.	Using a wheelchair with ergonomic levers that are simple to access and operate.	The Helio Kids armrest adjustment levers are easy to access and operate. The swing in/out lever on the front rigging is ergonomic and can be pushed in or out to operate both swing-in and swing-out functions.