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**LECKEY**®

# UNDER ^ standing

Introducing  
the new  
Mygo Stander



# Why stand?



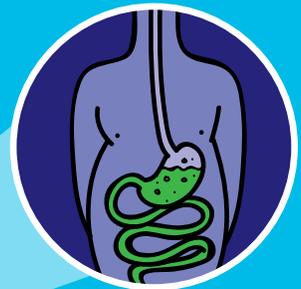
Enables kids to interact eye-to-eye with peers



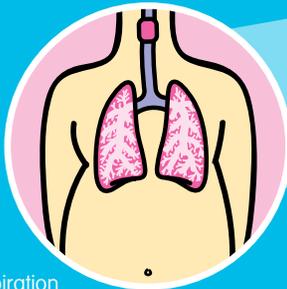
Improves well-being, alertness and sleep patterns



Enhances circulation and blood pressure



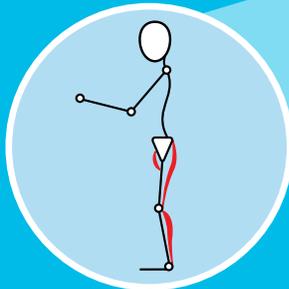
Aids digestion, bowel function and bladder drainage



Improves respiration and voice control



Facilitates formation of the hip joint in early development



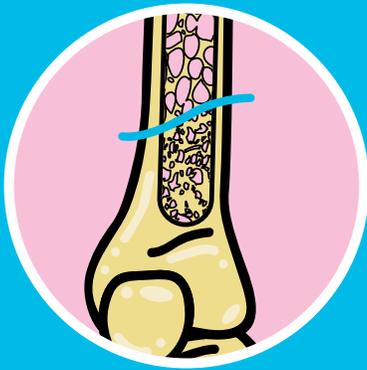
Stretches muscles, preventing the onset of contractures



Increases bone density and reduces risk of fractures

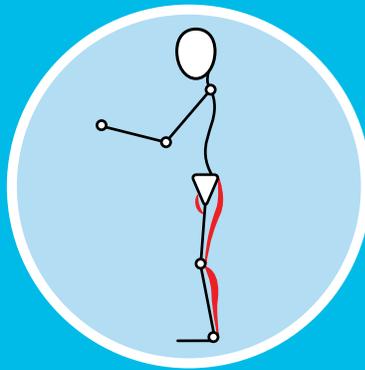


Improves skin integrity by relieving pressure encountered during sitting



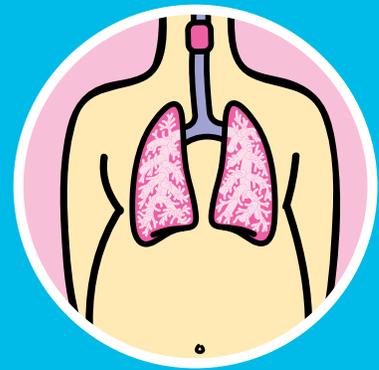
**Standing increases bone density and reduces the risk of fractures.**

Normal bone development needs a combination of good nutrition, weight bearing, e.g. through standing or walking, and the use of muscles. Research shows that standing improves the bone density of the pelvis and leg bones of non-ambulatory children, such as those with CP, Muscular Dystrophy, Spina Bifida or spinal cord injury.



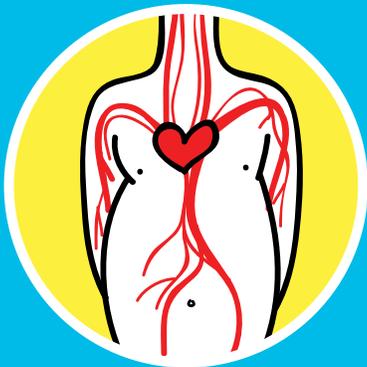
**Standing stretches muscles, preventing the onset of contractures.**

Research shows that standing programs, if maintained, improve the extensibility of the hamstrings, increase range of movement and reduce the extent of spasticity. Standing also provides proprioceptive input to young developing muscles and joints, builds endurance and regulates resting muscle tone.



**Standing improves respiration and voice control.**

When we stand, the diaphragm has more room to expand and contract, meaning that we can breathe in and out more easily, deeply and efficiently. Therefore, standing allows individuals to speak with improved volume and voice control.



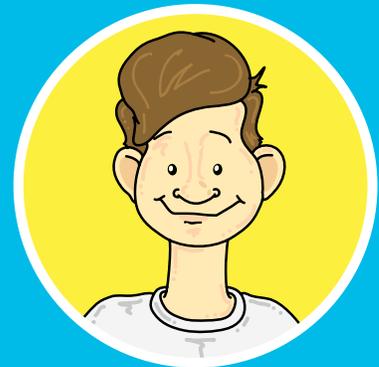
**Standing enhances circulation and blood pressure.**

Effective circulation is closely related to breathing. Standing results in improvements in blood pressure, heart rate and circulation, and a reduction in orthostatic hypotension and edema in the legs and feet.



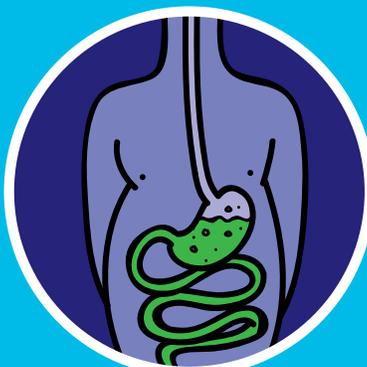
**Standing enables kids to interact eye-to-eye with their peers.**

Eye-to-eye interaction improves confidence, self-esteem and self-image as the child can accomplish tasks in the same manner as other students or siblings. Supported standing eliminates the fear of falling and so allows the individual to direct their attention towards learning and social interaction.



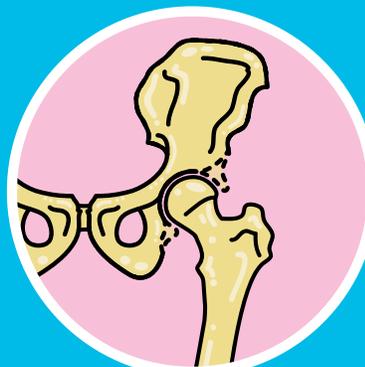
**Standing improves well-being, alertness and sleep patterns.**

Studies have reported improved sleep, decreased fatigue, increased alertness and feelings of well-being from regular standing. While standing, the effects of retained primitive reflexes such as symmetrical tonic neck reflex (STNR) and tonic labyrinthine reflex (TLR) are more controlled, and therefore, sensory organization, comfort, energy and attention are maximized.



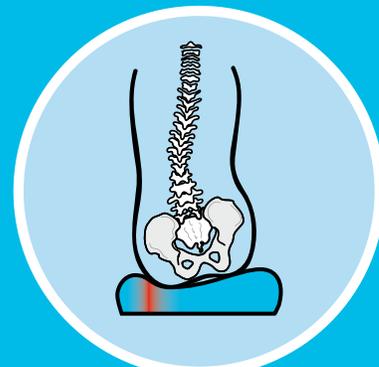
**Standing aids digestion, bowel function and bladder drainage.**

Standing is believed to help with digestion and toileting through a combination of gravity and the activation of the stomach muscles. Studies have backed this up showing improved bowel regularity and clearance and better bladder awareness and emptying.



**Standing facilitates the formation of the hip joint in early development.**

Children who stand at the normal developmental age of 12-16 months are more likely to properly develop the ball and socket of the hip joint, which can prevent hip subluxation or dislocation. Standing from an early age also helps a child with standing transfers in the future.



**Standing improves skin integrity by relieving pressure encountered during sitting.**

As standing improves respiration, it allows more oxygenated blood to reach tissues which are subject to pressure when seated, resulting in fewer bedsores and improved skin integrity.

# Mygo Stander

for children 4–14 years of age.

We understand the importance of standing therapy and the benefits that it can bring a child, and we understand that for some children, standing therapy is more difficult to achieve due to the postural challenges they face. That's why Leckey developed the Mygo Stander to bring standing therapy to children aged 4 to 14 years old. As a child grows out of the popular Squiggles Stander, their standing therapy can continue with the Mygo Stander as it encourages a natural standing posture with improved function.

One Stander



**Size 1**  
4-10 years  
(Shown in prone)



**Size 2**  
8-14 years  
(Shown in supine)

**Two Sizes**

A three-in-one  
Supine, Prone and  
Upright stander with  
continuous angle  
adjustment from  
vertical to 10 degrees  
from horizontal.

Not only does the angle of  
the stander change from  
prone to supine, the angle of  
the knee and foot supports  
relative to the hip and  
chest supports can also be  
adjusted by 20 degrees to  
accommodate contractures.

## Three Configurations



Prone in  
pink fabric

Comfort covers, belts and harnesses, machine washable at 140°F (40°C), are available in orange, blue and pink.

Infection control belts and harnesses, which are machine washable at 194°F (90°C), combined with wipe clean PU supports, give a fourth option.



Supine in orange fabric



Upright in blue fabric



## Four Colors

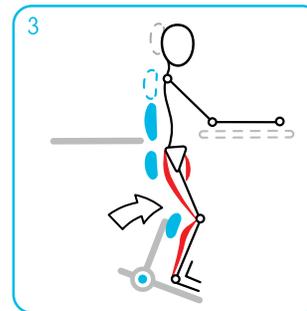
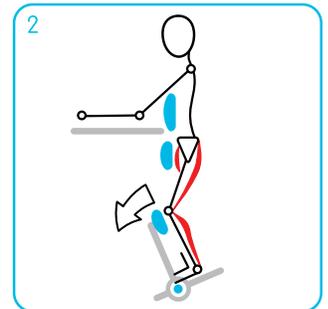
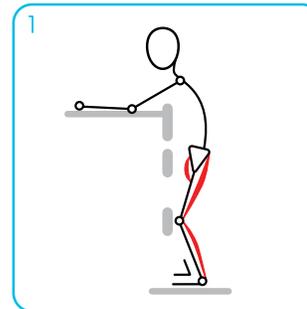
- 1. Blue
- 2. Pink
- 3. Orange
- 4. Black



# Five Clinical Advantages

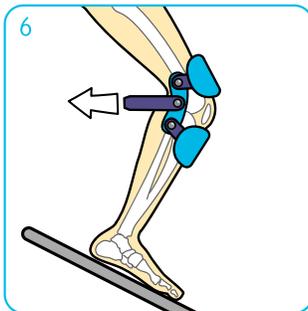
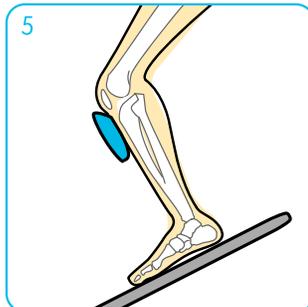
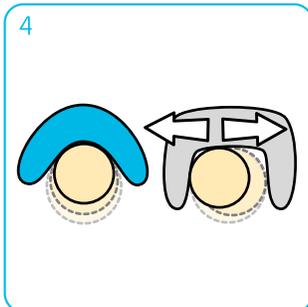
## 1. Accommodation of fixed hip and knee contractures

During extensive clinical trials, Leckey observed a number of children with kyphotic postures and posterior pelvic tilt during their standing therapy (1), often as a result of a stretch on the hamstring muscles. The novel swinging footplate on the Leckey Mygo Stander mechanically links the movement of the footplate to the movement of the knee support. This allows the user to stand in a fully supported position with hips and knees flexed, thereby taking the strain off the hamstrings and other contracted muscles (2&3). The result is a more upright natural posture combined with support users whose contractures previously made them unsuitable for standing difficult to them.



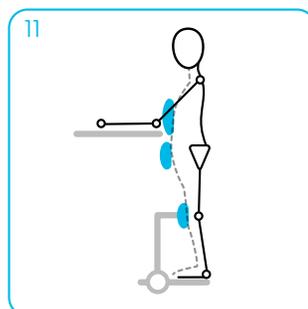
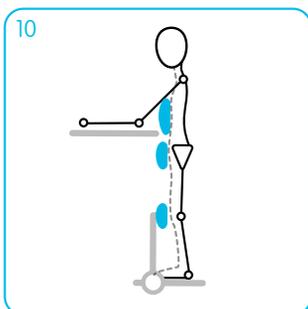
## 2. Reduced load bearing on the patella

The innovative V-shaped design of the knee supports on the Leckey Mygo Stander ensures a proximal fit irrespective of the size of the child's knees and maximizes the surface area of loading (4). This load is optimally distributed on the proximal tibia and is directed away from the patella in prone (5). In supine, the unique split-strap design (optional) self locates around the patella and self aligns for any knee angle, thereby equalizing pressure above and below the patella (6).



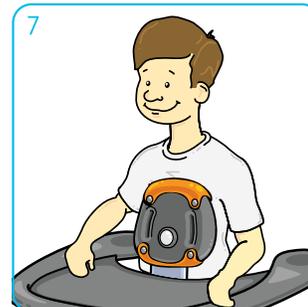
## 4. Accommodates children with a larger build

Some children have a larger build due to low tone and restricted mobility. The innovative design of the knee and foot supports means that these supports do not have to be positioned directly in line with the chest and hip supports. They can be placed slightly away from this line, allowing the Mygo Stander to accommodate larger children in prone (10, 11).



## 3. Improved function

The ergonomically designed chest pad replicates the shape of the rib cage, allowing the shoulder girdle to freely protract and retract in prone standing (7). Combined with a lower tray height and more upright head and chest position, the client's upper limb function is significantly improved. The supine shoulder support also stabilizes the shoulder girdle. Consequently, the Leckey Mygo Stander increases the ability of the user to play, feed and communicate (8 & 9).



## 5. Clear tray insert for communication aids

The Mygo Stander tray is available with a clear insert. Sheets of paper, like print-outs of communication symbols or schoolwork, can be slipped under the clear insert to keep them in place (12).



# Prone Configuration



1. The ergonomically designed chest pad replicates the shape of the rib cage allowing the shoulder girdle to freely protract and retract in prone standing, improving upper body function.
2. Breathable, machine washable, colorful covers fit over the wipe-clean PU supports.
3. The pelvic de-rotation belt enables the therapist to position the client's pelvis in a central and neutral position with minimum effort. A gluteal prompt provides a proprioceptive sense of security to the client.
4. Flexible hip laterals (not visible) provide proximal support to the pelvis and ensure the user remains in a central position.
5. The height adjustable knee supports are available with a range of tibia straps. Their V-shaped design ensures a wide range of knee shapes and sizes can be accommodated in comfort while distributing the pressure.
6. Optional sandals can be positioned on the footplates to individually accommodate a range of foot positions. Sandal raisers are available to adjust for leg length discrepancy if required. The medial/lateral and anterior/posterior positioning of the sandals can be individually adjusted.
7. The adjustable footplates with non-slip surface are linked to and move with the knee supports, which maintains the angle between the feet and the knees as the footplates move relative to the hip support. This means that the Leckey Mygo Stander can be used by children with AFOs. The footplates can also be adjusted individually to accommodate up to 10° plantarflexion or dorsiflexion.
8. Lockable castors make the lightweight chassis easy to manoeuvre around the therapy room, school or home environment.
9. The tool-free adjustments are easy and intuitive.
10. The pivot point of the lightweight chassis lies close to the client's center of gravity, allowing the frame to be smaller and more mobile around the therapy room, school or home.
11. The soft PU hip pad is height adjustable.
12. The soft PU tray with interchangeable inserts is height and angle adjustable and can be adjusted to a low position with close proximity to the user to encourage upper limb movement.
13. The optional posterior support pad gives the child the maximum feeling of security and support when standing in prone. It includes a pommel and hip laterals.



5. Height adjustable knee supports



13. Optional posterior support pad



Prone angle can be changed from 0° to 80°

# Supine Configuration



14. Wraparound flexible chest laterals support the upper body in either prone, upright or supine standing with minimum obstruction.

15. The pelvic de-rotation belt enables the therapist to position the client's pelvis in a central and neutral position with minimum effort. A gluteal prompt provides a proprioceptive sense of security to the client.

16. The height adjustable supine knee supports are attached using a buckle mechanism and have split straps which self align above and below the patella. Basic knee straps can also be used in supine.

17. The wings on the contoured shoulder support can be angle adjusted to provide shoulder protraction. This brings the hands to midline which increases upper limb and hand control for improved function.

18. The headrest support bracket is compatible with a range of head supports, including our own custom-designed wide headrest.

19. Through the adjustment of the swinging footplate, plantarflexion/dorsiflexion and depth adjustment of the PU knee supports, the Mygo Stander can accommodate up to 25° of contractures both in prone and supine.

20. The easy-to-read knee and footplate angle indicator allows records to be kept of each child's individual requirements.

21. The manual angle adjustment mechanism allows an infinitesimal range of angles from upright to 10° from horizontal. The adjustment is smooth and can be made with the child in the stander.

22. The easy-to-read stander angle indicator allows standing programs to be recorded and repeated for each client.



19a. Range of angles to accommodate contractures



20. Knee angle indicator



19b.



21. Manual angle adjustment



19c.



22. Stander angle indicator



Supine angle can be changed from 0° to 80°

# Dimensions



Size	1		2	
Age (Years Approx)	4 - 10		8 - 14	
	mm	inches	mm	inches
<b>User height</b>				
min	1080	42.5	1350	53.1
max	1450	57.1	1700	66.9
<b>Max user weight</b>	50 kgs	110 lbs	60 kgs	132 lbs
<b>Chest support height</b> (footplate to armpit)				
min	760	29.9	980	38.6
max	1080	42.5	1300	51.2
<b>Chest width</b> (distance between laterals)				
min	160	6.3	200	7.9
max	280	11.0	320	12.6
<b>Hip support height</b> (footplate to mid buttocks)				
min	460	18.1	620	24.4
max	730	28.7	875	34.4
<b>Hip width</b> (distance between hip guides)				
min	220	8.7	280	11.0
max	330	13.0	390	15.4
<b>Footplate angle</b>				
Plantarflexion	10°		10°	
Dorsiflexion	10°		10°	
<b>Max knee contracture accommodated</b>	25°		25°	
<b>Tray height range</b> (from top of hip pad)	0 - 150	0 - 6	0 -150	0 - 6
<b>Tray angle adjustment</b>				
Prone	45°		45°	
Supine	45°		45°	
<b>Product weight</b>	22 kgs	48 lbs	25 kgs	55 lbs
<b>Product angle range</b>				
Prone	0° to 80°		0° to 80°	
Supine	0° to 80°		0° to 80°	
<b>Stander footprint</b>				
Length	978	38.5	1130	44.5
Width	630	24.8	650	25.6

# Stander Frame

The Mygo Stander frame comes with a PU chest pad, PU hip pad, 2 PU knee supports, 2 foot supports, and a chassis with linear drive angle adjustment.

Shoulder and head supports can be added for supine standing.



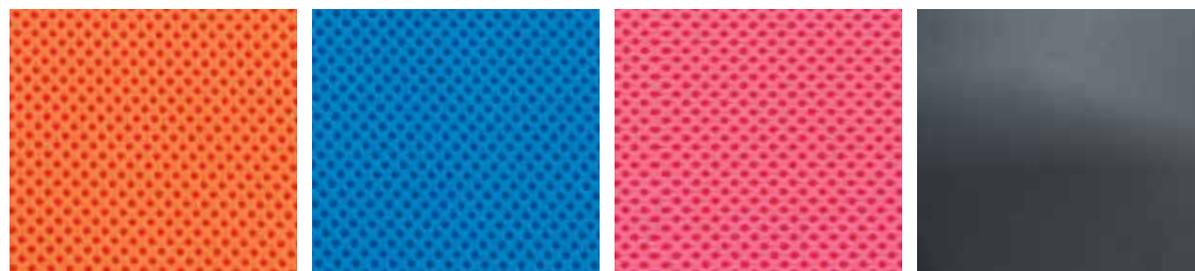
## Cover Pack



Each cover pack includes the following:

- Chest pad cover
- Hip pad cover
- Two knee pad covers

## 4 Color Options



Orange

Blue

Pink

Black infection control fabric

# Accessories



PU shoulder pad – one size only



Shoulder pad cover – orange, blue or pink, one size only



Headrest hardware, cushion and covers – standard black or infection control



PU Chest laterals (pair) – one size only



PU Flip-away chest laterals (pair) – one size only



Vertical complex laterals with covers (single) – one size only



Wraparound chest/hip harness – orange, blue, pink or black infection control (chest, flip-away chest or hip laterals required) – 3 sizes



Prone pelvic de-rotation belt – orange, blue or pink – 2 sizes (mounting hardware included)



Supine pelvic de-rotation belt – orange, blue or pink – 2 sizes (mounting hardware included)



PU Hip laterals (pair)



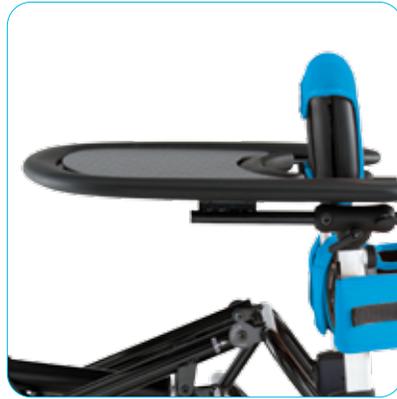
Basic knee straps – orange, blue, pink or infection control – 2 sizes



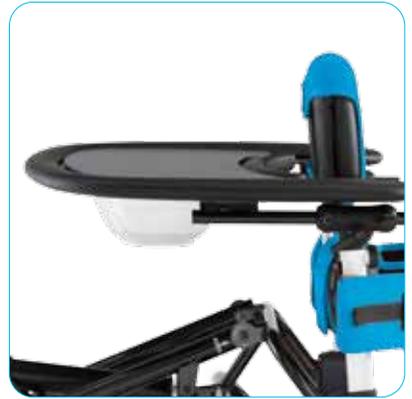
Split knee straps – orange, blue or pink – one size only



Sandals – 2 sizes  
Sandal raisers available



Mygo Stander tray



Mygo Stander tray with bowl insert



Mygo Stander tray with clear insert



Grab rail



Posterior support and pommel – 2 sizes



Posterior support cover - orange, blue or pink, fits both sizes



Pommel cover - orange, blue or pink, fits both sizes

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Ottobock is a leading global supplier of innovative products for children with special needs. We're committed to getting kids moving in style!

Leckey is a globally recognized pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate.

In order to create functional, appropriate products, we take a highly clinical approach to product design, and work with leading universities, occupational therapists, physiotherapists, users and their families to develop supportive, family-friendly products for all-day care—at every stage of life. Please call us at 1.800.328.4058 to speak with one of our customer service representatives. Or visit us on the web at [www.ottobockkids.com](http://www.ottobockkids.com).





sleepform

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For additional resources, including ordering information and clinical case studies, please visit:

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