

HIPS at RISK for subluxation?



OPTIMIZE and
Preserve HIP
ALIGNMENT
and FUNCTION

SWASH[®] **S**itting • **W**alking • **A**nd • **S**tanding • **H**ip orthosis

SITTING Assistant

Improve sitting posture - Open up the thorax



GMFCS **V**

WALKING Assistant

Proprioceptive response helps enhance position sense in space



GMFCS **II**

STANDING Assistant

Eliminate Scissoring - Reduce stress on the hips



GMFCS **IV**

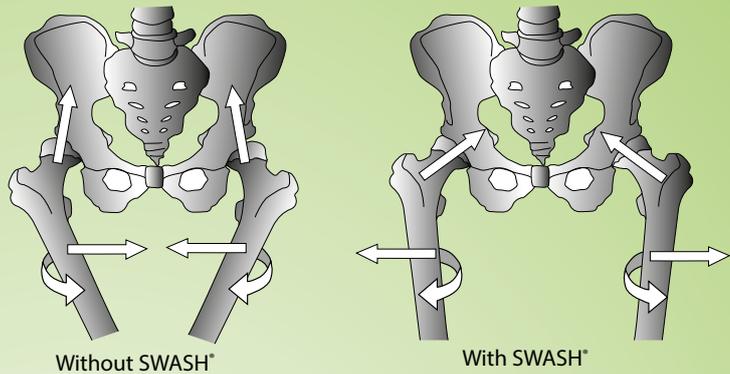


GMFCS **IV**

HIP Alignment Orthosis

Hip Alignment Benefits

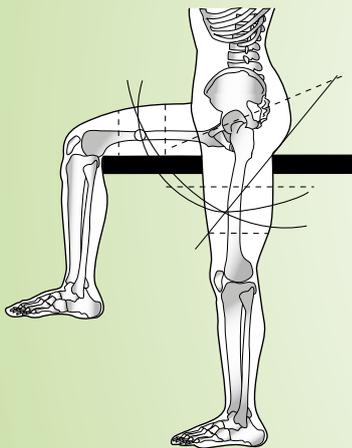
The most visible benefits of the SWASH are readily apparent by improvements in sitting, standing, and if ambulatory, walking posture and stability. However, perhaps the most valuable benefit is guidance for proper hip alignment.



Functional benefits of SWASH

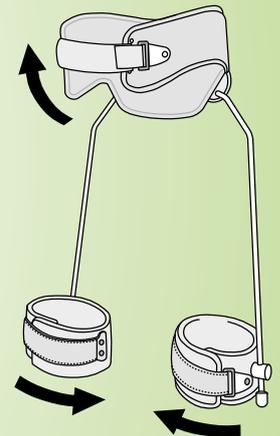
- Dynamic Function – allows only biomechanically appropriate motion.
- Transfers adductor tone proximally to achieve more positive postural positioning.
- Proper alignment encourages tri-planar function for proper closed chain muscle function.
- Facilitates the strengthening of muscles to reduce compensations that risk proximal and distal joints.
- Encourages tri-planar function.
- Controls amount of adduction for improved sitting, standing, and if ambulatory, walking functions.
- Encourages proper closed chain muscle function.

How SWASH® Works



The pathways of motion of the SWASH thigh cuffs mimic the “normal” pathways of motion of the femurs. This is designed into the orthosis through combinations of the angle of the pelvic band in the sagittal plane, and the angle of the hip joint assemblies in the transverse plane.

This exerts an external rotary influence on the lower limbs, influencing the knees toward extension and the trunk becomes more erect. As SWASH reaches its limit for adduction, it transfers adductor force proximally to assist posterior rotation of the pelvis to help achieve a more erect posture.



Two models to meet specific needs of your patients!
 Sizes available to fit infants to small adults.

Steady SWASH®



When maximum trunk control is required, i.e., candidates who lack muscle strength or upper body control to sit upright.

When patient is primarily non-ambulatory (GMFCS IV-V).

When the greater pelvic coverage area triggers more desirable neurosensory motor response.

Go SWASH®



When primary goal is to control scissoring gait.

When patient has limited space between the iliac crest and the rib cage.

Patient is ambulatory with or without assistive devices and does not require the additional torso support offered with SWASH Steady.

IMPROVED MUSCLE FUNCTION = IMPROVED OUTCOMES



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