

OOLAB FOOTWAR MODIFICATIONS			
Footwear Modification	Description	Examples of Use	Photo
<b>Rocker Sole.</b> Alternative names: Rocker bottom (types of rockers: forefoot rocker, heel-to-toe rocker, midfoot rocker, severe angle rocker).	An addition or modification made to the bottom of the shoe designed to address ROM limitations, offload an area on the bottom of the foot, or improve gait patterns.	Used to reduce painful pressure on the bottom on the foot, reduce energy consumption, and reduce stress on stiff or painful joints in the foot and ankle	
<b>Balloon Patch</b> Alternative names: Tent patch, bubble patch	Alternative A patch of material is fastened over a hole made in the upper to accommodate a bony prominence.	To accommodate bony prominences over the top of the foot; i.e., hammer toes, bunions, or any deformity that requires extra volume to reduce pressure over the top of the foot.	
<b>Stretching</b> Alternative name: Ball-and-ring stretching	Stretching the upper of the shoe using a standard shoe stretcher or a ball-and-ring stretcher.	Stretch a small area over a bony prominence. A standard shoe stretcher can increase the width, depth, or volume of the upper; spot stretching also when used in conjunction with metal or wooden plugs.	
<b>Velcro Closure</b>	Velcro are sewn to the opening of the shoe upper to replace the function of the laces.	Beneficial for patients with mobility or flexibility issues, vision impairment, or upper limb dysfunction.	
<b>Velcro Strap Extension</b>	Velcro straps are sewn on to existing straps to extend the length of the strap	Beneficial to accommodate excessive swelling, excessive bulk from dressings or high arch of the foot	
<b>Shoe or Heel Lift</b> Alternative Names: Shoe extension, external lift, LLD correction, short leg correction	Alternative Extra material added to the midsole or outsole of one shoe to make it thicker than the other.	Accommodation for structural leg length difference and occasionally functional leg length difference, scoliosis, or pelvic imbalance following injury or surgery.	
<b>Resole</b>	The original sole is removed and replaced with a new sole	Original sole may be replaced due to excessive wear, or can be replaced to optimize traction, i.e., minimal tread and grip for shuffle gait especially with carpeting, etc.	
<b>Medial/Lateral Flare.</b> Alternative name: Sole and heel flares	Material is added to the side of the sole to broaden the base of support. The flare should be widest where it meets the ground.	Increases stability of the shoe and gently forces the foot away from the modified side.	
<b>Medial/Lateral Buttress</b> Alternative names: outrigger, counter support, external arch support, flange	Material (typically EVA) is fastened to the upper and sole on the inside or outside of the shoe creating a "wall" that supports the foot and widens the base of support to help control abnormal motion	Useful with extreme hypermobility or deformity of the foot that cannot be controlled by an orthotic and shoe alone.	
*additional footwear modification requests are available*			