

SUPRAMALEOLAR ORTHOTIC (SMO)

DAFO 4

Assists

Arch alignment^{1,3}

Stance alignment: sagittal and transverse plane¹

Safe initial contact of foot¹

Swing phase consistency³

Resists

Excessive inversion¹

Excessive eversion¹

Foot flexibility³

Mild excess plantarflexion³

Mild excess knee hyperextension³

Allows

Dorsiflexion³

Plantarflexion³



SMO

Indications

Severe pronation (pes planus)^{1,3}

Severe supination^{1,3}

Developmental delay with low tone and sensory issues³

Assistance with foot positioning³

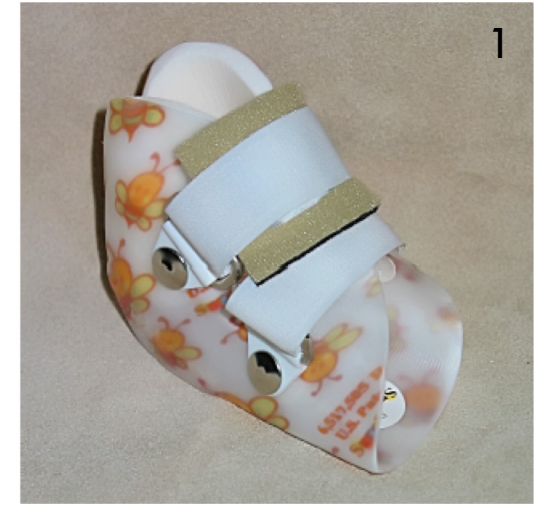
Balance/coordination⁴

Mild toe walking⁴

Genetic disorders

Ligamentous laxity, hypotonia^{3,4}

Mild knee hyperextension¹⁹



SOLID AFO (SAFO)

DAFO 3

Assists

Medial/lateral stability of foot/ankle¹

Swing clearance¹

Knee flex at initial contact¹



Resists

Excessive knee flexion/hyperextension¹

Excessive ankle DF¹

PF past 0°⁵

Excessive pronation/supination⁵

SAFO

Indications

Severe hypertonia¹

Severe RA of foot/ankle¹

Drop foot⁵

Toe walking⁵

Spastic CP⁶

Knee hyperextension¹⁹





SAFO

Altered mechanics

Running

Squatting

Inclines

Sit to stand (ground and chair)

Jumping

Skipping

Stair negotiation