



Forth Conference 14<sup>th</sup> January 2023

An overview of orthotic treatment and management of cerebral palsy

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What are we trying to achieve?

Facilitate development

Maintain or improve range as appropriate

Provide stability

Optimise function

Protect

Orthotics; What's it all about?

Biomechanical effect

General effect





How do we get orthoses to fit?

Casting, scanning  
3D Printing

What defines a well fitting orthosis



## Biomechanical effect; Application of forces

How hard do we have to push?

How well tolerated?

Tone management

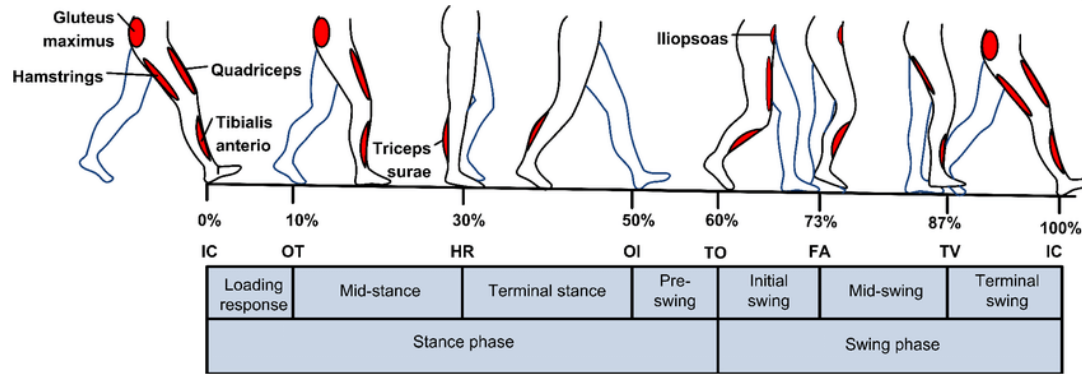
Surgical interventions



Can we optimise function?

Ambulant

None Ambulant



Gait

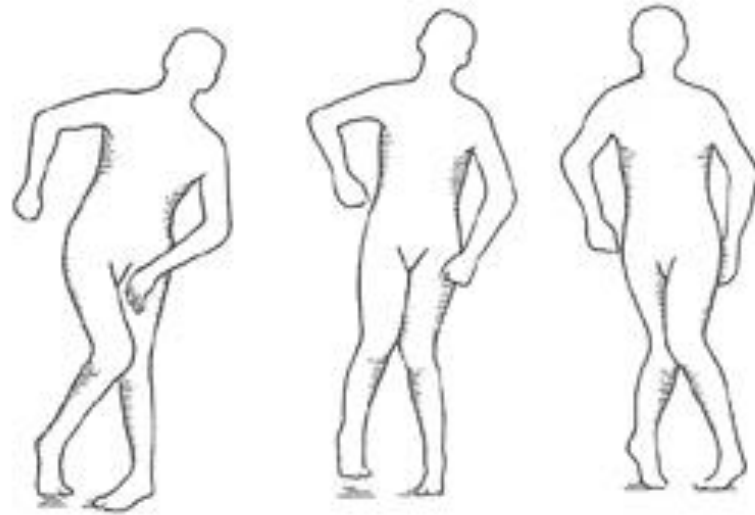
Gait Lab

Principles

Elaine Owen

Spastic Diplegia

Swash Brace  
Twisters







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Non ambulant

Importance of positioning and posture

Video

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# Sitting brace





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YOUR L  
SOLUTION



Team work and communication

Orthopaedic Surgeon, Physiotherapist, Orthotist, gait lab

Acute-Community-Family



Thank You

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