

Helix^{3D} Hip Joint System

Workshop Introduction

Academy



Quality for life

Helix^{3D} Hip Joint System

Quick Introduction

1st Day	2nd Day	3rd Day
• Introduction Helix^{3D} • Plaster cast technique • Plaster positive making • Draping of test sockets	• Adapting & optimizing test sockets • Alignment Instructions • Identification of the load balanced point (TMS) • Bench alignment of prosthesis • Static Alignment with L.A.S.A.R Posture	• Biomechanical aspects • Adjustment of prosthesis • Gait training • Finishing the prosthesis • test and certification

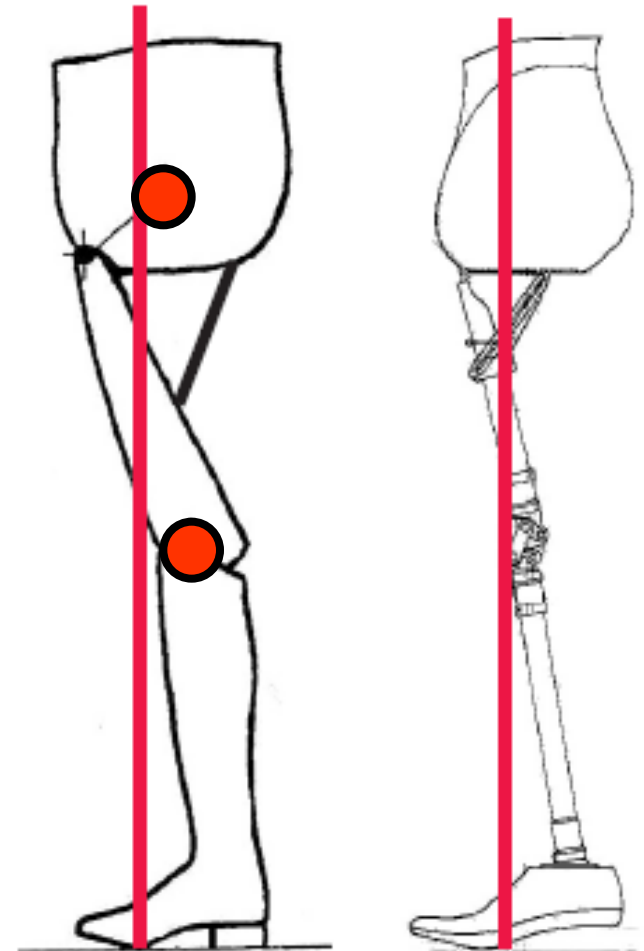
Helix^{3D} Hip Joint System

Current hip designs

1954:

Canadian Hip-disarticulation-
prosthesis according to

Mc Laurin



Helix^{3D} Hip Joint System

Current hip designs

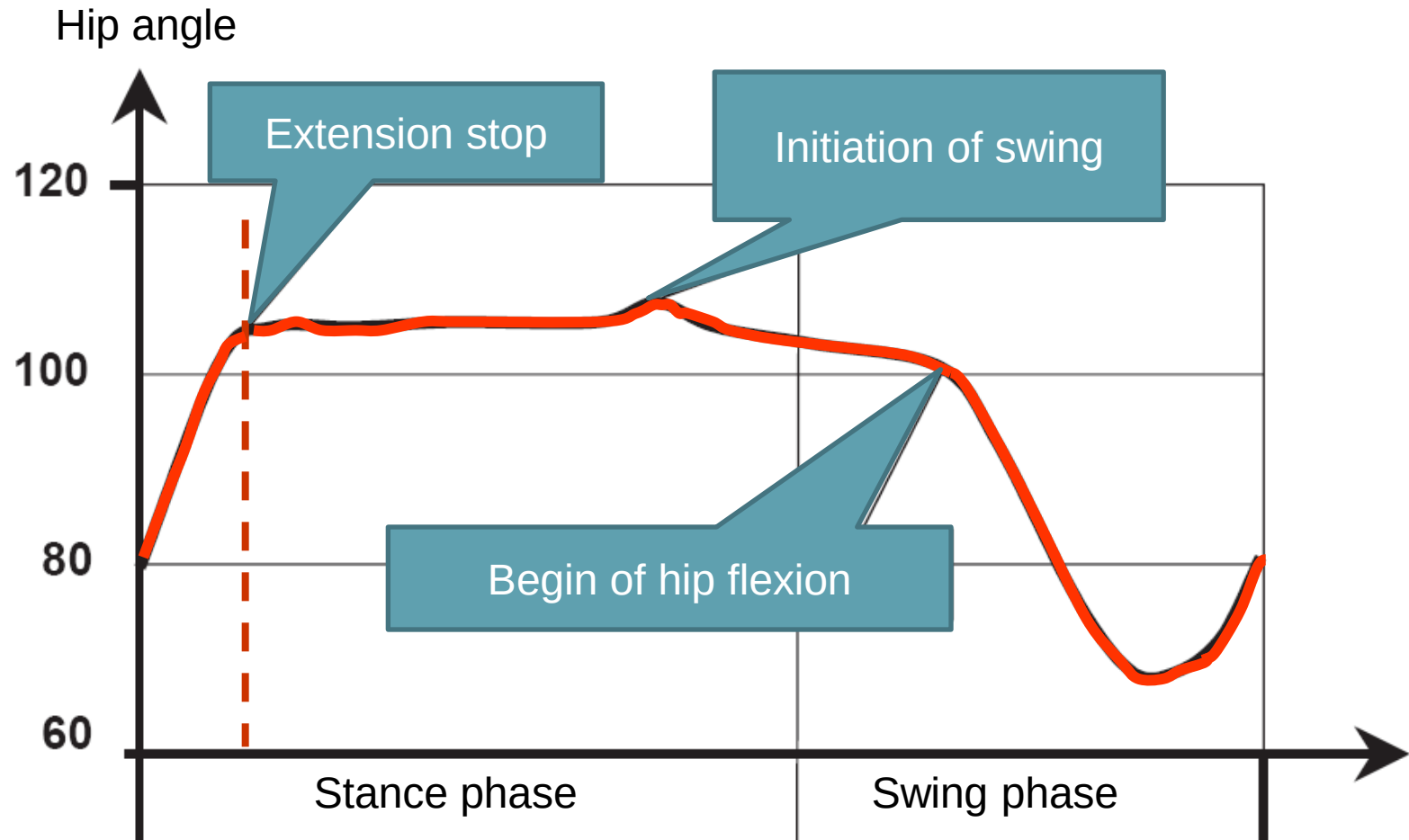
Control: by the pelvis

Safety: by alignment and
primary knee-joint



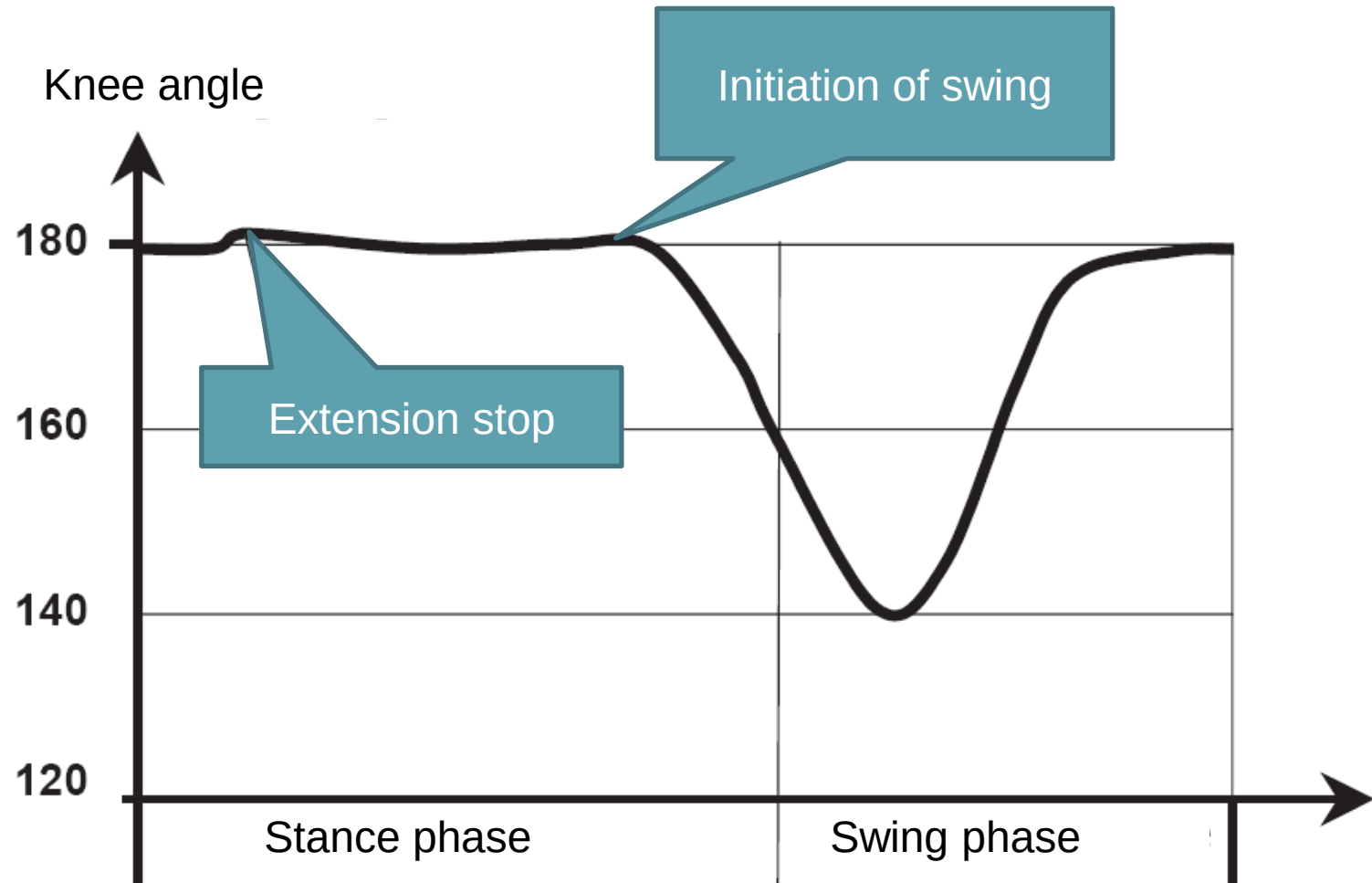
Helix^{3D} Hip Joint System

Current hip designs: Walking, Hip angle



Helix^{3D} Hip Joint System

Current hip designs: Walking, Knee angle



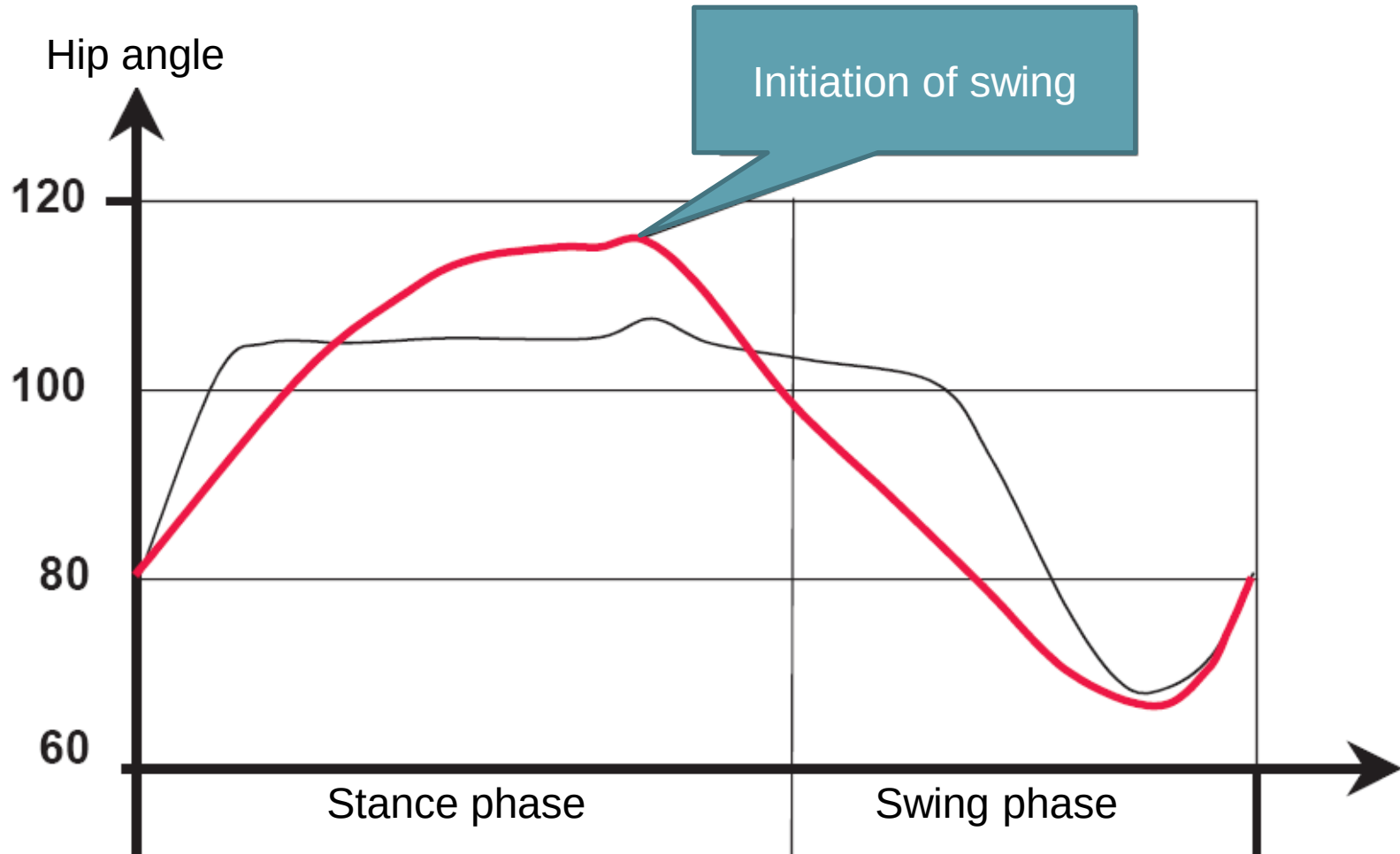
Helix^{3D} Hip Joint System

Potential for Improvement

- More natural Hip Joint Movement
- Easier Initiation of swing and better ground clearance
- Better control of the hip joint movement
- Sufficient Alignment Options

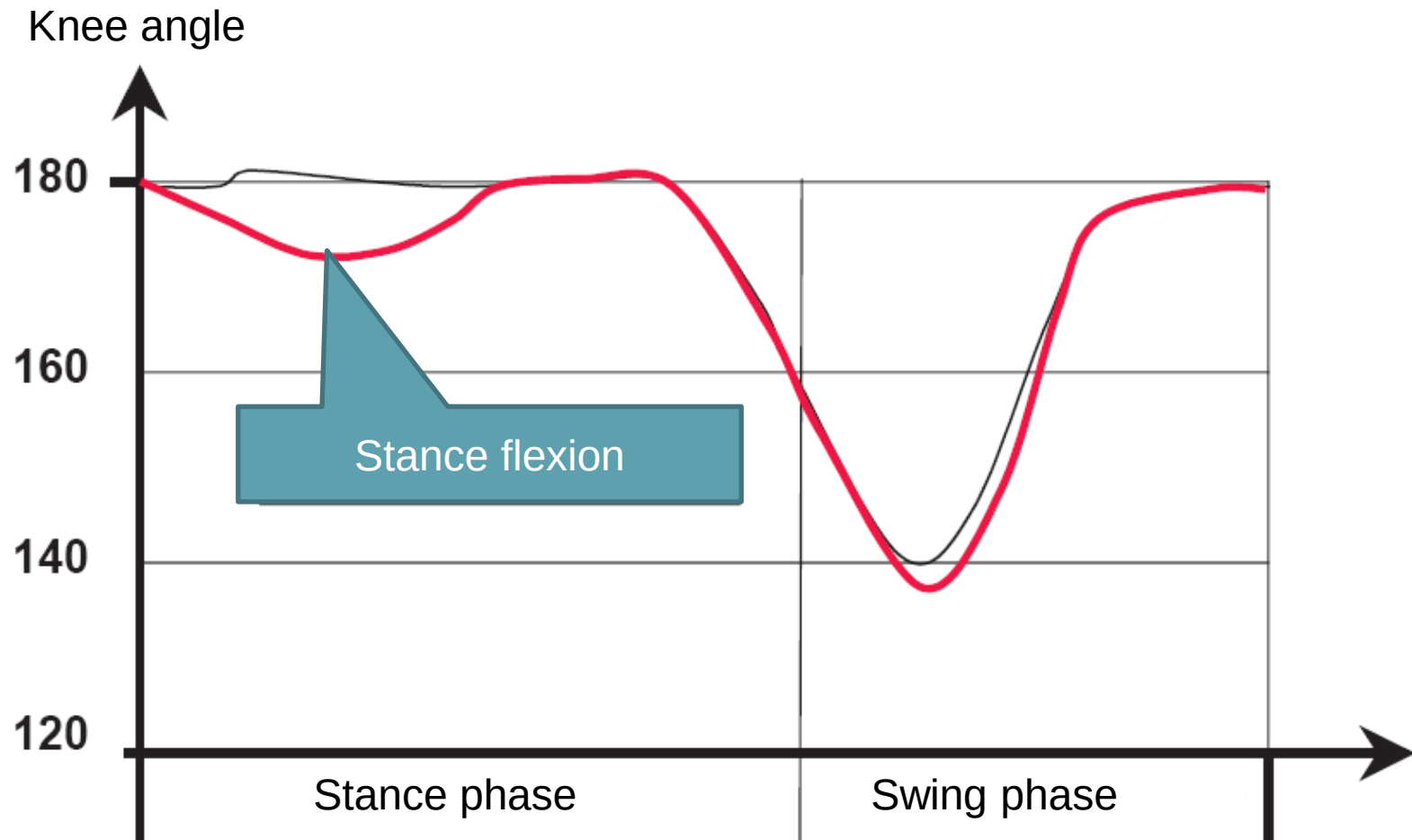
Helix^{3D} Hip Joint System

Hydraulic control



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Hydraulic control



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Summary



Discover what moves us!

Referent

Contact details

www.ottobock.com



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