



Stiffness of Compression Devices

ICC Meeting, Vienna, May 25, 2012,

9:00 -17:30

(Presentations:10 minutes, Discussions:30 minutes)

9.00

Partsch H, Austria:

Welcome and Introduction

9.10 – 9.20

Neumann HAM, Netherlands:

Elasticity, hysteresis, stiffness: the magic triangle

9.20 – 9.30

Clark M, United Kingdom:

Elastic properties of compression materials as defined in different standards

9.30 – 10.00: Discussion

Assessment of stiffness in vitro and in vivo

10.00 – 10.10

Staudinger P, Germany:

Resistance force, stiffness: In vitro measurements by extensometer: The gold standard for assessing stiffness.

10.10 – 10.20

Schuren J, Netherlands

Stiffness unravelled

10.20 – 10.30

Kloppels M, Germany :

The future of the measurement of the stiffness of compression devices in-vitro. Innovative Reproducibility.

10.30 – 11.00: Discussion

11.00 – 11.15: Coffee Break

11.15 – 11.25

Van der Wegen-Franken K, Netherlands:

Correlation between static and dynamic stiffness indices

11.25 – 11.35

Hirai M, Japan

The mannequin leg: an interesting method to assess the stiffness of compression products



11.35 – 11.45

Partsch H, Austria

Some own experiences with the mannequin leg

11.45 – 12.15: Discussion

Compression stockings

12.15 – 12.25

Cornu-Thénard A, France:

Is the Stiffness of a MCS (*in vivo*) is the same as the Resistance of the same MCS (*in vitro*)?

12.25 – 12.35

Thomae HJ, Germany

Stiffness: a Manufacturers Point of View

12.35 – 12.45

Szolnoky G, Hungary:

Static stiffness index of two types of medical compression stockings: traditional vs ulcer stockings

12.45 – 13.15: Discussion

13.15 – 14.15: Lunch break

14.15 – 14.25

Benigni JP, France:

Stiffness of different compression devices at the point B1 and the point C

14.25 – 14.35

JF Uhl, France:

Where to measure the stiffness and why ?

Bandages, IPC

14.35 – 14.45

Andriessen A, Netherlands:

Experimental study comparing interface pressure and static stiffness index of four types of compression systems

14.45 – 14.55

Hopkins A, Worboys F UK
Strapping increases stiffness

14.55 – 15.05

Pronidis I, UK

Stiffness and interface pressure measurement in vivo on healthy subjects using an experimental model of intermittent pneumatic compression device

15.05 – 15.35: Discussion

Clinical implications

15.35 – 15.45

Olszewski WL, Zaleska M, Jain P, Gogia S, Sharma S., Poland: Physiological parameters of tissue fluid (pressure/flow) in limb subcutaneous tissue during bandaging, manual and pneumatic compression

15.45 – 15.55

Flour M, Belgium

Elastic or inelastic compression? Reported evidence from clinical trials.

15.55 – 16.05

Mosti A, Italy:

Relevance of stiffness for venous hemodynamics and oedema

16.05 – 16.15

Bender D, Arkans E, Fronck H, USA

Quantified hemodynamics of compression garments

16.15 – 16.45: Discussion

16.45 – 16.55

Andriessen A, Netherlands:

Clinical evidence of efficacy of compression systems with a high static stiffness index for treatment of venous leg ulcer patients

16.55 – 17.05

Schingale F, Germany:

Zinc paste bandage versus normal lymphological bandage

17.05 – 17.15

Kecelj Leskovec N, Planinšek Ručigaj T, Slovenia:

Can we reach the same massaging effect with bandages with lower working pressure and still enough stiffness?

17.15: Discussion