Proposals for an International Consensus

Hugo Partsch

Everyday routine

Research

- mild
- medium
- strong
- very strong

mmHg ranges

Dr E Pohlen, U. Schettler: Eurocom

Compression class (US Standard)	Compression class (AFNOR)	Compression class (AFNOR)	Compression class (RAL - GZG / ENV)	Compression at 1	the ankle)
Ccl	Ccl	Ccl	Ccl	HPa	mmHg 2)
	I légère	10/15			
15/20	Il moyenne	15/20	not applicable	20 to 23	15 to 17
20/30	III forte	20/36	I mild high	24 to 28	18 to 21
30/40	iii iorte	20/36	II moderate	31 to 43	23 to 32
40/50	IV extra forte	>36	III strong	45 to 61	34 to 46
50 high			IV very strong	65 and higher	49 and higher

¹⁾ The values indicate the compression exerted by the hosiery at a hypothetical cylindrical ankle.

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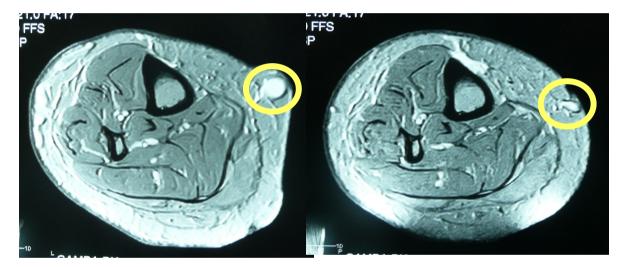
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Clinical effects under light compression are evident

on veins



Medi ulcer kit liner 18 mmHg

on oedema



Socks 5 mmHg

Partsch H, Mosti G, Mosti F. Int Angiol. 2010 Oct;29(5):408-10.

Partsch H, Damstra RJ, Mosti G. Int Angiol. 2011 Dec;30(6):527-33.

Proposal

Class Range	Pressure in mmHg at distal lower leg	Level of Compression
I	10-19	Mild
II	20-29	Medium
III	30-39	Strong
IV	<u>≥</u> 40	Very strong

A. Nicolaides et al.

MANAGEMENT OF CVD OF THE LOWER LIMBS Guidelines According to Scientific Evidence In preparation

When in vivo pressure measurement? For studies:

- Presure on individual leg needs to be reported
- Dosage = pressure on the leg
- A stocking prescribed one size smaller or larger can not be described by in vitro-data
- Sizes change due to oedema reduction
- The highest variability in compression pressure comes from different donning

Future stocking trials

- Should report a range of mmHg (not classes)
- Preferably measured on the legs of test persons (B1 point)
- 80-90% of values should fit into the reported range after repeated donning

What customers and prescribers would like to see on the box

•	Light	com	pression	Range	10-20

- Medium compression 20-30
- Strong compression 30-40
- Very strong compression >40

CEN (European Prestandard 2001)

Class	Pressure in mmHg	Level of Compression
Ccl A	10-14	Light
I	15-21	Mild
II	23-32	Moderate
III	34-46	Strong
IV	<u>></u> 49	Very strong