

# SIGVARIS

L I F E F O R L E G S

## **Library on all Scientific Articles on Compression Therapy 06/2006**

Reference List Book "Compression Therapy of the  
Extremities" by Partsch, Rabe, Stemmer



- Chapter 1      Introduction**
- Chapter 2      Historical Overview**
- Chapter 3      Anatomy**
- Chapter 4      Venous Return**
- Chapter 5      The Basis of Compression**

**Beidler SK, Douillet CD, Berndt DF, Keagy BA, Rich PB, Marston WA.**

Inflammatory cytokine levels in chronic venous insufficiency ulcer tissue before and after compression therapy. *J Vasc Surg* 2009; 49(4):1013-1020.

Stemmer Chapter: 5, 8

Number of references/number of self citations: 42/1

Type of publication: experimental trial

Language: en

Language of abstract: en

**Hanna R, Bohbot S, Connolly N.** A comparison of interface pressures of

three compression bandage systems. *Br J Nurs* 2008; 17(20):16-24.

Stemmer Chapter: 5, 8

Number of references/number of self citations: 17/0

Type of publication: experimental study

Language: en

Language of abstract: en

**Kim JS, Kim HJ, Woo YH, Lym JY, Lee CH.** [Effects on Changes in

Femoral Vein Blood Flow Velocity with the Use of Lower Extremity Compression for Critical Patients with Brain injury.]. *J Korean Acad Nurs* 2009; 39(2):288-297.

Stemmer Chapter: 5

Number of references/number of self citations: 20/1

Type of publication: randomized controlled study

Language: cor

Language of abstract: en, cor

**van der Wegen-Franken CP, Tank B, Nijsten T, Neumann HA.** Changes

in the pressure and the dynamic stiffness index of medical elastic compression stockings after having been worn for eight hours: a pilot study. *Phlebology* 2009; 24(1):31-37.

Stemmer Chapter: 5, 9

Number of references/number of self citations: 13/1

Type of publication: experimental trial

Language: en

Language of abstract: en

**van der Wegen-Franken K, Tank B, Neumann M.** Correlation between the static and dynamic stiffness indices of medical elastic compression stockings. *Dermatol Surg* 2008; 34(11):1477-1485.  
Stemmer Chapter: 5, 9  
Number of references/number of self citations: 12/1  
Type of publication: experimental trial  
Language: en  
Language of abstract: en

**Vanscheidt W, Ukat A, Partsch H.** Dose-response of compression therapy for chronic venous edema--higher pressures are associated with greater volume reduction: two randomized clinical studies. *J Vasc Surg* 2009; 49(2):395-402, 402.  
Stemmer Chapter: 5, 7  
Number of references/number of self citations: 13/2  
Type of publication: randomized controlled study  
Language: en  
Language of abstract: en

## **Chapter 6      Mobilisation**

**Duffield R, Edge J, Merrells R, Hawke E, Barnes M, Simcock D et al.** The effects of compression garments on intermittent exercise performance and recovery on consecutive days. *Int J Sports Physiol Perform* 2008; 3(4):454-468.  
Stemmer Chapter: 6  
Number of references/number of self citations: 18/1  
Type of publication: experimental study  
Language: en  
Language of abstract: en

**Kemmler W, von Stengel S, Kockritz C, Mayhew J, Wassermann A, Zapf J.** Effect of compression stockings on running performance in men runners. *J Strength Cond Res* 2009; 23(1):101-105.  
Stemmer Chapter: 6, 9  
Number of references/number of self citations: 22/0  
Type of publication: experimental study  
Language: en  
Language of abstract: en

**Scanlan AT, Dascombe BJ, Reaburn PR, Osborne M.** The effects of wearing lower-body compression garments during endurance cycling. *Int J Sports Physiol Perform* 2008; 3(4):424-438.  
Stemmer Chapter: 6  
Number of references/number of self citations: 30/0  
Type of publication: experimental study

Language: en  
Language of abstract: en

## Chapter 7      Compression Using Mechanical Devices

**Edwards JZ, Pulido PA, Ezzet KA, Copp SN, Walker RH, Colwell CW, Jr.** Portable compression device and low-molecular-weight heparin compared with low-molecular-weight heparin for thromboprophylaxis after total joint arthroplasty. *J Arthroplasty* 2008; 23(8):1122-1127.

Stemmer Chapter: 7  
Number of references/number of self citations: 25/0  
Type of publication: prospective study  
Language: en  
Language of abstract: en

**Froimson MI, Murray TG, Fazekas AF.** Venous thromboembolic disease reduction with a portable pneumatic compression device. *J Arthroplasty* 2009; 24(2):310-316.

Stemmer Chapter: 7  
Number of references/number of self citations: 22/0  
Type of publication: retrospective, non randomized survey  
Language: en  
Language of abstract: en

**Hilleren-Listerud AE.** Graduated compression stocking and intermittent pneumatic compression device length selection. *Clin Nurse Spec* 2009; 23(1):21-24.

Stemmer Chapter: 7, 9  
Number of references/number of self citations: 22/0  
Type of publication: review  
Language: en  
Language of abstract: en

**Kakkos SK, Caprini JA, Geroulakos G, Nicolaides AN, Stansby GP, Reddy DJ.** Combined intermittent pneumatic leg compression and pharmacological prophylaxis for prevention of venous thrombo-embolism in high-risk patients. *Eur J Vasc Endovasc Surg* 2009; 37(3):364-365.

Stemmer Chapter: 7  
Number of references/number of self citations: 0/0  
Type of publication: Review of randomized controlled trials  
Language: en  
Language of abstract: en

**Lettieri CJ, Eliasson AH.** Pneumatic compression devices are an effective therapy for restless legs syndrome: a prospective, randomized, double-blinded, sham-controlled trial. *Chest* 2009; 135(1):74-80.

Stemmer Chapter: 7  
Number of references/number of self citations: 33/1

Type of publication: randomized controlled study

Language: en

Language of abstract: en

**Nicolaides A, Goldhaber SZ, Maxwell GL, Labropoulos N, Clarke-Pearson DL, Tyllis TH et al.** Cost benefit of intermittent pneumatic compression for venous thromboembolism prophylaxis in general surgery. *Int Angiol* 2008; 27(6):500-506.

Stemmer Chapter: 7

Number of references/number of self citations: 38/1

Type of publication: cost benefit analysis

Language: en

Language of abstract: en

**Vanscheidt W, Ukat A, Partsch H.** Dose-response of compression therapy for chronic venous edema--higher pressures are associated with greater volume reduction: two randomized clinical studies. *J Vasc Surg* 2009; 49(2):395-402, 402.

Stemmer Chapter: 5, 7

Number of references/number of self citations: 13/2

Type of publication: randomized controlled study

Language: en

Language of abstract: en

## Chapter 8 Bandages

**Andersen LO, Husted H, Otte KS, Kristensen BB, Kehlet H.** A compression bandage improves local infiltration analgesia in total knee arthroplasty. *Acta Orthop* 2008; 79(6):806-811.

Stemmer Chapter: 8

Number of references/number of self citations: 15/1

Type of publication: randomized controlled trial

Language: en

Language of abstract: en

**Bath PM, England TJ.** Thigh-length compression stockings and DVT after stroke. *Lancet* 2009.

Stemmer Chapter: 8

Number of references/number of self citations: 14/2

Type of publication: comment

Language: en

Language of abstract: en

**Beidler SK, Douillet CD, Berndt DF, Keagy BA, Rich PB, Marston WA.** Inflammatory cytokine levels in chronic venous insufficiency ulcer tissue before and after compression therapy. *J Vasc Surg* 2009; 49(4):1013-1020.

Stemmer Chapter: 5, 8  
 Number of references/number of self citations: 42/1  
 Type of publication: experimental trial  
 Language: en  
 Language of abstract: en

**Charles H, Hofmann D, Anderson I, Williams AF.** Short-stretch bandages can assist wound healing and reduce oedema in immobile patients. J Wound Care 2009; 18(1):39.  
 Stemmer Chapter: 8  
 Number of references/number of self citations: 7/0  
 Type of publication: letter  
 Language: en  
 Language of abstract: en

**Damstra RJ, Partsch H.** Compression therapy in breast cancer-related lymphedema: A randomized, controlled comparative study of relation between volume and interface pressure changes. J Vasc Surg 2009; 49(5):1256-1263.  
 Stemmer Chapter: 8  
 Number of references/number of self citations: 28/7  
 Type of publication: randomized controlled trial  
 Language: en  
 Language of abstract: en

**Hanna R, Bohbot S, Connolly N.** A comparison of interface pressures of three compression bandage systems. Br J Nurs 2008; 17(20):16-24.  
 Stemmer Chapter: 5, 8  
 Number of references/number of self citations: 17/0  
 Type of publication: experimental study  
 Language: en  
 Language of abstract: en

**Hayes W, Day J.** Case studies evaluating 3M's two-layer compression system: Coban 2. Br J Community Nurs 2008; 13(12):S14, S16, S18.  
 Stemmer Chapter: 8  
 Number of references/number of self citations: 9/0  
 Type of publication: case reports  
 Language: en  
 Language of abstract: en

**Kasseroller RG, Brenner E.** A prospective randomised study of alginate-drenched low stretch bandages as an alternative to conventional lymphologic compression bandaging. Support Care Cancer 2009.  
 Stemmer Chapter: 8  
 Number of references/number of self citations: 28/4  
 Type of publication: prospective randomized study  
 Language: en

Language of abstract: en

**Milic DJ, Zivic SS, Bogdanovic DC, Karanovic ND, Golubovic ZV.** Risk factors related to the failure of venous leg ulcers to heal with compression treatment. *J Vasc Surg* 2009; 49(5):1242-1247.

Stemmer Chapter: 8

Number of references/number of self citations: 19/1

Type of publication: prospective study

Language: en

Language of abstract: en

**O'Meara S, Tierney J, Cullum N, Bland JM, Franks PJ, Mole T et al.** Four layer bandage compared with short stretch bandage for venous leg ulcers: systematic review and meta-analysis of randomised controlled trials with data from individual patients. *BMJ* 2009; 338:b1344. doi: 10.1136/bmj.b1344..

Stemmer Chapter: 8

Number of references/number of self citations: 27/0

Type of publication: meta analysis

Language: en

Language of abstract: en

**Roumen-Klappe EM, den Heijer M, van Rossum J, Wollersheim H, van d, V, Thien T et al.** Multilayer compression bandaging in the acute phase of deep-vein thrombosis has no effect on the development of the post-thrombotic syndrome. *J Thromb Thrombolysis* 2009; 27(4):400-405.

Stemmer Chapter: 8

Number of references/number of self citations: 16/1

Type of publication: randomized controlled study

Language: en

Language of abstract: en

## Chapter 9 Compression Stockings

**Arpaia G, Carpenedo M, Pistelli R, Mastrogiacomo O, Cimminiello C, Agnelli G.** Attitudes to prescribing compression stockings for patients with acute dvt: the MASTER registry. *J Thromb Thrombolysis* 2009.

Stemmer Chapter: 9, 10

Number of references/number of self citations: 16/1

Type of publication: survey

Language: en

Language of abstract: en

**Biss TT, Kahr WH, Brandao LR, Chan AK, Thomas KE, Williams S.** The use of elastic compression stockings for post-thrombotic syndrome in a child. *Pediatr Blood Cancer* 2009; 20.

Stemmer Chapter: 9

Number of references/number of self citations: 20/0

Type of publication: case report

Language: en

Language of abstract: en

**Boutros IR, Landham PR, Brown RR, Gosali HS.** The use of graduated compression stockings in association with fondaparinux in surgery of the hip: a multicentre, multinational, randomised, open-label, parallel-group comparative study. *J Bone Joint Surg Br* 2008; 90(11):1535-1536.

Stemmer Chapter: 9

Number of references/number of self citations: 1/0

Type of publication: letter

Language: en

Language of abstract: en

**Couzan S, Assante C, Laporte S, Mismetti P, Pouget JF.** [Booster study: comparative evaluation of a new concept of elastic stockings in mild venous insufficiency]. *Presse Med* 2009; 38(3):355-361.

Stemmer Chapter: 9

Number of references/number of self citations: 16/4

Type of publication: randomized controlled trial

Language: fr

Language of abstract: fr, en

**Hilleren-Listerud AE.** Graduated compression stocking and intermittent pneumatic compression device length selection. *Clin Nurse Spec* 2009; 23(1):21-24.

Stemmer Chapter: 7, 9

Number of references/number of self citations: 22/0

Type of publication: review

Language: en

Language of abstract: en

**Kemmler W, von Stengel S, Kockritz C, Mayhew J, Wassermann A, Zapf J.** Effect of compression stockings on running performance in men runners. *J Strength Cond Res* 2009; 23(1):101-105.

Stemmer Chapter: 6, 9

Number of references/number of self citations: 22/0

Type of publication: experimental study

Language: en

Language of abstract: en

**The CLOTS Trials Collaboration.** Effectiveness of thigh-length graduated compression stockings to reduce the risk of deep vein thrombosis after stroke (CLOTS trial 1): a multicentre, randomised controlled trial. *Lancet* 2009.

Stemmer Chapter: 9, 10

Number of references/number of self citations: 21/0

Type of publication: randomized controlled study

Language: en  
Language of abstract: en

**van der Wegen-Franken CP, Tank B, Nijsten T, Neumann HA.** Changes in the pressure and the dynamic stiffness index of medical elastic compression stockings after having been worn for eight hours: a pilot study. *Phlebology* 2009; 24(1):31-37.

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Number of references/number of self citations: 13/1  
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**van der Wegen-Franken K, Tank B, Neumann M.** Correlation between the static and dynamic stiffness indices of medical elastic compression stockings. *Dermatol Surg* 2008; 34(11):1477-1485.

Stemmer Chapter: 5, 9  
Number of references/number of self citations: 12/1  
Type of publication: experimental trial  
Language: en  
Language of abstract: en

## Chapter 10 Compression and Mobilization Strategies

**Altintas F, Gurbuz H, Erdemli B, Atilla B, Ustaoglu RG, Ozic U et al.** [Venous thromboembolism prophylaxis in major orthopaedic surgery: A multicenter, prospective, observational study]. *Acta Orthop Traumatol Turc* 2008; 42(5):322-327.

Stemmer Chapter: 10  
Number of references/number of self citations: 23/2  
Type of publication: prospective observational study  
Language: en  
Language of abstract: en, turc

**Arpaia G, Carpenedo M, Pistelli R, Mastrogiacomo O, Cimminiello C, Agnelli G.** Attitudes to prescribing compression stockings for patients with acute dvt: the MASTER registry. *J Thromb Thrombolysis* 2009.

Stemmer Chapter: 9, 10  
Number of references/number of self citations: 16/1  
Type of publication: survey  
Language: en  
Language of abstract: en

**Coleridge-Smith PD.** Leg ulcer treatment. *J Vasc Surg* 2009; 49(3):804-808.

Stemmer Chapter: 10  
Number of references/number of self citations: 27/1

Type of publication: review  
Language: en  
Language of abstract: en

**Espinosa-de-Los-Monteros A, Hinojosa CA, Abarca L, Iglesias M.**

Compression therapy and liposuction of lower legs for bilateral hereditary primary lymphedema praecox. *J Vasc Surg* 2009; 49(1):222-224.

Stemmer Chapter: 10

Number of references/number of self citations: 20/0

Type of publication: case report

Language: en

Language of abstract: en

**Ettema HB, Mulder MC, Nurmohamed MT, Buller HR, Verheyen CC.**

Dutch orthopedic thromboprophylaxis: a 5-year follow-up survey. *Acta Orthop* 2009; 80(1):109-112.

Stemmer Chapter: 10

Number of references/number of self citations: 15/3

Type of publication: survey

Language: en

Language of abstract: en

**Hach-Wunderle V.** [Treatment of deep vein thrombosis in the leg and pelvis]. *Med Monatsschr Pharm* 2009; 32(1):7-14.

Stemmer Chapter: 10

Number of references/number of self citations: 40/4

Type of publication: review

Language: de

Language of abstract: de

**Karki A, Anttila H, Tasmuth T, Rautakorpi UM.** Lymphoedema therapy in breast cancer patients - a systematic review on effectiveness and a survey of current practices and costs in Finland. *Acta Oncol* 2009;1-13.

Stemmer Chapter: 10

Number of references/number of self citations: 41/2

Type of publication: review

Language: en

Language of abstract: en

**O'Meara S, Cullum NA, Nelson EA.** Compression for venous leg ulcers.

*Cochrane Database Syst Rev* 2009;(1):CD000265.

Stemmer Chapter: 10

Number of references/number of self citations: 80/0

Type of publication: Cochrane review

Language: en

Language of abstract: en

**Prandoni P, Kahn SR.** Post-thrombotic syndrome: prevalence, prognostication and need for progress. *Br J Haematol* 2009; 145(3):286-295.

Stemmer Chapter: 10

Number of references/number of self citations: 106/13

Type of publication: review

Language: en

Language of abstract: en

**The CLOTS Trials Collaboration.** Effectiveness of thigh-length graduated compression stockings to reduce the risk of deep vein thrombosis after stroke (CLOTS trial 1): a multicentre, randomised controlled trial. *Lancet* 2009.

Stemmer Chapter: 9, 10

Number of references/number of self citations: 21/0

Type of publication: randomized controlled study

Language: en

Language of abstract: en

**Vowden KR, Vowden P.** The prevalence, management and outcome for patients with lower limb ulceration identified in a wound care survey within one English health care district. *J Tissue Viability* 2009; 18(1):13-19.

Stemmer Chapter: 10

Number of references/number of self citations: 3/0

Type of publication: clinical study

Language: en

Language of abstract: en

## **Arbeiten ohne Abstracts**

**Garreau C, Pibourdin JM, Nguyen LC, Boisseau MR.** [Elastic compression in golf competition]. *J Mal Vasc* 2008; 33(4-5):250-251.

**Iversen L, Lemcke A, Bitsch M, Karlsmark T.** Compression bandage as treatment for ulcers induced by intramuscular self-injection of paraffin oil. *Acta Derm Venereol* 2009; 89(2):196-197.

**Patterson P.** Are staff using compression hose correctly? *OR Manager* 2009; 25(3):16-17.

**Studd C.** Compression therapy. *Nurs Stand* 2009; 23(30):59.