

EVIDENCE BASED STATEMENT

DOMAIN **09**, Statement **03**

TOPIC: “Compression prescription education requirements”

SEARCH TERMS & SOURCES

(graduated compression) AND (prescription)

INCLUSION CRITERIA

- Lower limb only
- Systematic Reviews, Meta-Analysis, Reviews, RCI
- Publication < 10 years, only ENG

SEARCH RESULT BEFORE - AFTER SELECTION

2/0

PERTINENT LITERATURE NOT IDENTIFIED BY THE LITERATURE SEARCH

1. <https://www.accessdata.fda.gov/>
2. Bar L, Brandis S, Marks D. Improving Adherence to Wearing Compression Stockings for Chronic Venous Insufficiency and Venous Leg Ulcers: A Scoping Review. Patient Prefer Adherence. 2021 Sep 17;15:2085-2102
3. Aronson JK, Heneghan C, Ferner RE. Medical Devices: Definition, Classification, and Regulatory Implications. Drug Saf. 2020 Feb;43(2):83-93
4. Dawson AJ, Akaberi A, Galanaud JP, et al. Patient-reported reasons for and predictors of noncompliance with compression stockings in a randomized trial of stockings to prevent postthrombotic syndrome. Res Pract Thromb Haemost. 2019 Dec 29;4(2):269-277.
5. Uhl JF, Benigni JP, Chahim M, Frédéric D. Prospective randomized controlled study of patient compliance in using a compression stocking: Importance of recommendations of the practitioner as a factor for better compliance. Phlebology. 2018 Feb;33(1):36-43
6. Bouman AC, Ten Cate-Hoek AJ, Dirksen CD, Joore MA. Eliciting patients' preferences for elastic compression stocking therapy after deep vein thrombosis: potential for improving compliance. J Thromb Haemost. 2016 Mar;14(3):510-7
7. Sippel K, Seifert B, Hafner J. Donning devices (foot slips and frames) enable elderly people with severe chronic venous insufficiency to put on compression stockings. Eur J Vasc Endovasc Surg. 2015 Feb;49(2):221-9.
8. Ayhan H, Iyigun E, Ince S, et al. A randomised clinical trial comparing the patient comfort and efficacy of three different graduated compression stockings in the prevention of postoperative deep vein thrombosis. J Clin Nurs. 2015 Aug;24(15-16):2247-57

EVIDENCE BASED STATEMENT

Domain 9; Statement 3

1. none

EVIDENCE BASED STATEMENT

Domain 9; Statement 3

TEXT FOR INCLUSION IN THE DOCUMENT

DOMAIN 01, Statement 01, TOPIC: “Compression prescription education requirements”

Better and repeated recommendations by the practitioner result in an increase in compliance by 33% of patients.

[Uhl JF, Benigni JP, Chahim M, Frédéric D. Prospective randomized controlled study of patient compliance in using a compression stocking: Importance of recommendations of the practitioner as a factor for better compliance. Phlebology. 2018 Feb;33(1):36-43]

Nevertheless, it's not clear what professional figure is allowed to prescribe medical stockings, if any.

[Aronson JK, Heneghan C, Ferner RE. Medical Devices: Definition, Classification, and Regulatory Implications. Drug Saf. 2020 Feb;43(2):83-93]

Despite the risk/benefit ratio in graduated compression stockings use is greatly in favor of the benefit, side effects could be triggered in case of wrong indication.

Scientific societies and institutions should clarify the requirements for both prescription and prescribers eventual educational background.

EVIDENCE BASED STATEMENT

Domain 9; Statement 3

STATEMENT FOR PUBLIC EVIDENCE-BASED AWARENESS

DOMAIN 09, Statement 03

“An expert health professional must educate the user of graduated compression stocking on why should them use it and how to use them at best”

SELECTED REFERENCES

1. Uhl JF, Benigni JP, Chahim M, Frédéric D. Prospective randomized controlled study of patient compliance in using a compression stocking: Importance of recommendations of the practitioner as a factor for better compliance. *Phlebology*. 2018 Feb;33(1):36-43
2. Aronson JK, Heneghan C, Ferner RE. Medical Devices: Definition, Classification, and Regulatory Implications. *Drug Saf*. 2020 Feb;43(2):83-93

identified LITERATURE BIAS

Lack of clarity on national and international certification and regulatory requirements for graduated compression stockings prescription

SUGGESTED NEXT LINES OF RESEARCH

Certification and regulatory evaluation on prescription needs for medical graduated compression stockings