Claims

1. A film compression bandage composite comprising
    a. an elastic film layer with a modulus of elasticity of 5 – 400 N/mm^2, when applying longitudinal expansions of 10 – 100%, and producing tensions of 1 – 40 N/mm^2,
    b. an adhesive coated on at least a portion of the lower surface of said elastic film layer, which is preferably pressure-sensitive and hypoallergenic, adhering to the upper side of the elastic film with an adhesive force of 0.12 – 2 N/25mm, and adhering to human skin with an adhesive force of 0.06 – 1 N/25mm measured after 24 hours of wearing,
    c. a first release liner for longitudinal removal covering the adhesive side of the film, and,
    d. optionally, a second release liner for longitudinal removal adhered to the upper side of the film,

    wherein the adhesion of said adhesive is stronger on the upper side of the film than on human skin, wherein said elastic film layer is vapor permeable with a moisture vapor transmission rate (MVTR) of 500 – 1000 g/m^2/24 hrs/37 °C.

2. The film compression bandage composite according to claim 1, wherein said adhesive coats uninterruptedly and homogeneously 90 to 100% of the lower surface of the elastic film layer.

3. The film compression bandage composite according to any of the claims 1 and 2, wherein said film layer has a width of 6-50 cm.

4. The film compression bandage composite according to any of the claims 1 to 3, wherein said film compression bandage composite is 6 - 30 microns in thickness.

5. The film compression bandage composite according to any of the claims 1 to 4, wherein the ratio of length to width is preferably >10.

6. The film compression bandage composite according to any of the claims 1 to 5, wherein a single layer closed loop of the composite achieves tissue pressures of 6 - 32 mmHg measured at the ankle of an average individual.

7. The film compression bandage composite according to any of the claims 1 to 6, wherein said elastic film layer shows an elongation at break of 100 - 400%.

8. The film compression bandage composite according to any of the claims 1 to 7, wherein the elastic film layer and the adhesive are characterized by optical and ultrasound transparency.

9. The film compression bandage composite according to any of the claims 1 to 8, wherein the film layer or the adhesive comprises elastic fibres or elastomeric elements in longitudinal orientation.

10. The film compression bandage composite according to any of the claims 1 to 9, wherein the film layer comprises an indicator for stretching.

11. The film compression bandage composite according to any of the claims 1 to 10, wherein said film layer comprises material selected from the group comprising polyethylene, polypropylene, polyurethane, polyether urethane, polyether polyurethane, polyester urethane, polyether-polyamid-copolymers, polyester, nylon, polyvinyl chloride, polyacrylate, biopolymer or composition thereof.

12. The film compression bandage composite according to any of the claims 1 to 11, wherein the first release liner is substantially non-elastic and the second release liner is elastic and expandable for removal after placement on the target.

13. The film compression bandage composite according to any of the claims 1 to 12 for use in a method for treating vein diseases and/or tissue lesions.

14. A dispenser comprising a roll of the film compression bandage composite according to any of the claims 1 to 13, wherein said dispenser comprises means for separating the film

from one or several backings, or parts of them, optionally comprising means to retain or collect one or several release liners or parts of them.