and the angle of inclination of the upper surface of the intermediate part with respect to the base is 30 – 65 degrees.

One aspect of the invention relates to a device (1) for rebalancing the pelvis, comprising first and second support elements (2), and a base (4), wherein the support elements (2), comprise: a first side (3), the shape of which is adapted to rest on the base (4), and a second side (5), the shape of which is such that when the first side (3) rests on the base (4), a first elevation (6), a second elevation (7) and an intermediate part (8) are formed, wherein the first elevation (6) comprises an upper surface with a surface area of 0.5 - 5 cm^2 and is higher than the second elevation (7), which comprises an upper surface with a surface area of 5 - 16 cm^2, the intermediate part (8) provides a gradual transition from the first elevation (6) to the second elevation (7), and the intermediate part (8) comprises an upper surface (9) which is inclined with respect to the base (4) with an angle of inclination (α) of 30 – 65 degrees, such that in a position of use for a user standing on the base (4) the support elements (2) are each situated underneath a large part of the arch (12) of a user's foot (10) in such a way that the first elevation (6) is situated underneath a first foot arch part (13), which first foot arch part (13) is situated in the centre on the medial side of the foot arch (12), and the second elevation (7) is situated underneath a second foot arch part (14), characterized in that the base comprises a first plate part (20a) for forming the base for the first support element (2a) and a first foot, and a second plate part (20a) for forming the base for the second support element (2b) and a second foot, and a first weighing unit (25a) and a second weighing unit (25b) are operatively connected to the first plate part (20a) and the second plate part (20b), respectively; and a sensor for providing a feedback signal to the user indicative of the correct use of the device.

Another aspect relates to a device for rebalancing the pelvis, comprising a base (4) and first and second support elements (2) mounted on the base, the support elements (2), comprising contoured surfaces arranged to support beneath the arches of a user's feet when standing on the support elements with the medial edges of the feet generally parallel and spaced by between 4 cm and 15 cm,

characterized in that the device further comprises sensors for determining a contact between the arch and the contoured surface and an indicator operatively connected to the sensors to provide feedback of contact between the arch and the contoured surface, indicative of a correct position of the feet.

In this application, the term "pelvis" is understood to mean the entirety of the two pelvis halves and the tailbone in between. Rebalancing of the pelvis is intended to include training and retraining of the muscles in the pelvic and lumbar regions and also realignment and repositioning of the bones and muscles in the pelvic and lumbar regions. It is also intended to include treating or preventing disorders resulting from an imbalance of the pelvis.

The inventor has empirically found that standing on a base in which a device as described above is in a position of use has a positive effect on the balance of the pelvis and consequently has a positive effect on the abovementioned disorders. There are many known disorders which are associated with an imbalance of the pelvis, such as disorders associated with organs in the vicinity of the pelvis, but likewise disorders which are associated with organs in the vicinity of the spinal column. As has already been mentioned above, the balance or imbalance of the pelvis has a significant effect on the position of the spinal column. Balancing the pelvis may therefore lead to the spinal column becoming balanced, and thus prevent or treat disorders associated with organs in the vicinity of the spinal column. Some examples of the above-described disorders are gallbladder disorders, liver disorders, stomach disorders, kidney problems, diabetes, cardiac arrhythmia, impaired lung function, rheumatism, some forms of sterility, constipation, colitis, varicose veins, incontinence, impotence, low back pain, poor circulation in the legs, disorders in the sacroiliac region, trapped nerves and associated pain and the like. In addition, the inventor has found that the device according to the invention can successfully treat disorders associated with the autonomous nervous system, such as impaired secretion of sweat, impaired circulation, skin disorders, such as eczema and psoriasis and the like and can also assist in the normalisation of blood pressure.

This positive effect on the abovementioned disorders is seen in particular after an individual has stood on the support element in a suitable manner and has,

Claims

1. Device (1) for rebalancing the pelvis, comprising first and second support elements (2), and a base (4), wherein the support elements (2), comprise:

a first side (3), the shape of which is adapted to rest on the base (4), and

a second side (5), the shape of which is such that when the first side (3) rests on the base (4), a first elevation (6), a second elevation (7) and an intermediate part (8) are formed, wherein the first elevation (6) comprises an upper surface with a surface area of 0.5 - 5 cm^2 and is higher than the second elevation (7), which comprises an upper surface with a surface area of 5 - 16 cm^2, the intermediate part (8) provides a gradual transition from the first elevation (6) to the second elevation (7), and the intermediate part (8) comprises an upper surface (9) which is inclined with respect to the base (4) with an angle of inclination (α) of 30 – 65 degrees, such that in a position of use for a user standing on the base (4) the support elements (2) are each situated underneath a large part of the arch (12) of a user's foot (10) in such a way that the first elevation (6) is situated underneath a first foot arch part (13), which first foot arch part (13) is situated in the centre on the medial side of the foot arch (12), and the second elevation (7) is situated underneath a second foot arch part (14),

characterized in that

the base comprises a first plate part (20a) for forming the base for the first support element (2a) and a first foot, and a second plate part (20a) for forming the base for the second support element (2b) and a second foot, and a first weighing unit (25a) and a second weighing unit (25b) are operatively connected to the first plate part (20a) and the second plate part (20b), respectively; and

a sensor for providing a feedback signal to the user indicative of the correct use of the device.

2. Device (1) according to Claim 1, **characterized in that** it comprises deforming means for moulding the support elements to a desired shape by deforming a deformable part, such as by pneumatic or hydraulic means.

3. Device (1) according to Claim 1, **characterized in that** it comprises a spacer (18) between the two support elements (2) of 0.5-15 cm.

4. Device (1) according to one of the preceding claims, **characterized in that** the first elevation (6) increases the height by 0.8 – 3 cm compared to the position of the first foot arch part (13) if the individual were to stand on a flat surface and the second elevation (7) increases the height by 0.05 to 0.4 cm compared to the position of the second foot arch part (14) if the individual were to stand a flat surface..

5. Device (1) according to one of the preceding claims, **characterized in that** a pressure sensor (16) is incorporated at least in the first elevation (6).

6. Device according to claim 5, characterized in that each support element comprises at least three pressure sensors, activated by low pressure contact with the arch of a user's foot.

7. Device (1) according any preceding claim, **characterized in that** the first and second weighing units comprise first and second heel sensors located on the first and second plate parts at a position that is spaced outwardly from the support elements.

8. Device (1) according to any preceding claim, **characterized in that** it further comprises a display for providing a readout from the first and second weighing units providing an indication of the difference therebetween.

9. Device (1) according to one of the preceding claims, **characterized in that** it also comprises a height sensor for determining the position of the first foot

arch part (13) if the individual were to stand on the base (4) without being in contact with the support elements (2).

10. Device (1) according to one of the preceding claims, **characterized in that** it also comprises vibrating means for causing the support elements (2) to vibrate, the sensory feedback signal is a vibration provided in response to completion of a required action.

11. Device (1) according to one of the preceding claims, **characterized in that** it also comprises means for determining the body temperature.

12. Device (1) according to one of the preceding claims, **characterized in that** the sensory feedback signal is an audible or vibratory tactile signal for indicating the correct placement of a user's feet on the support elements (2).

13. Device (1) according to claim 12, **characterized in that** the signal is audible and has a frequency between 50 Hz and 5000 Hz, preferably between 2800 Hz and 2900 Hz.

14. Device (1) according to one of the preceding claims, **characterized in that** it further comprises an electronic control unit including a memory for controlling operation of the device and storing device parameters and treatment parameters.

15. Device (1) according to claim 14, **characterized in that** it further includes a communication port for communicating with a remote computer.

16. Device according to claim 14 or claim 15, **characterized in that** the electronic control unit is programmed to follow a treatment protocol comprising:

displaying respective heel weight readings when a user initially stands on the base with heels spaced apart and in contact with heel sensors;

emitting an audible signal when a user stands on the base with arches in contact with the support elements;

providing a tactile vibration during a period of at least 5 seconds while a user alternately bends a first and second knee four times and the arches remain in contact with the support elements.

17. Device (1) according to one of the preceding claims, **characterized in that** the base comprises a treatment plate on which the support elements are provided and a measurement plate provided with sensors for measuring anatomical parameters.

18. Device (1) according to claim 17, **characterized in that** the anatomical parameters are selected from the group consisting of: blood flow rate, blood pressure, weight, weight distribution, arch height, temperature and pulse rate.

19. Device (1) according to one of the preceding claims, **characterized in that** it further comprises a hand rail at a height above the base for gripping by a user while standing on the base.

20. A device for rebalancing the pelvis, comprising a base (4) and first and second support elements (2) mounted on the base, the support elements (2), comprising contoured surfaces arranged to support beneath the arches of a user's feet when standing on the support elements with the medial edges of the feet generally parallel and spaced by between 4 cm and 15 cm, characterized in that the device further comprises sensors for determining a contact between the arch and the contoured surface and an indicator operatively connected to the sensors to provide feedback of contact between the arch and the contoured surface, indicative of a correct position of the feet.

21. Device according to claim 20, **characterized in that** the contoured surface is an anti-slip surface preferably comprising a rubber-like material.

22. A method of using a device according to any preceding claim, the method comprising:

standing on the base with the heels spaced apart;

measuring a differential heel pressure for the respective heels and displaying a representation of the difference;

moving the feet closer together and generally parallel to each other such that the arches enter into contact with the first elevation (6), the second elevation (7) and the intermediate part (8) of the support elements;

alternately bending a first and second knee at least four times while keeping the arch in contact with the support elements; and

stepping off the support elements.

23. The method according to claim 22, further comprising emitting an audible signal when the user's arches are in correct contact with the support elements.

24. The method of claim 22 or claim 23, further comprising providing a tactile vibration during a period of at least 5 seconds while the user performs the knee bending motions and the arches remain in contact with the support elements.