



Farrow Medical Innovations, Inc.

Compression Explained for the Patient

For patients with chronic edema, the only long-term solution currently is compression. Compression works through several methods. Compression...

1. Increases pressure in the limb and drives excess fluid back into the cardiovascular system.
2. Relieves tension on the veins and helps move blood up the limb.
3. In the leg, works with the calf muscle to move blood up the leg.

Traditionally, the only long-term compression options were an electronic pump or a compression stocking / sleeve.

Pumps, especially multichambered sequential versions, are very effective at reducing edema. However, most pumps, except DVTCare™, are also very inconvenient because they tie you down to a non portable machine and are thus generally only applied at night.

Compression stockings and sleeves have multiple pitfalls. They are made of a technology called long-stretch, which means that the more pressure is applied, the more it stretches, and it generally stretches quite a bit. Long-stretch is an inferior form of compression because it only provides one level of compression. It is monotone. Because of the monotone type of compression, compression stockings / sleeves are generally more uncomfortable, more dangerous to use if the patient has any arterial disease, and they are much harder to apply.

In fact, most patients that need compression have decreased hand strength and dexterity, and compression stockings are very difficult to get on and off. In many cases, patients cannot get them on and off by themselves. If they cannot do it by themselves, they must then impose on a family member, friend, or healthcare worker for help twice a day or worse go without.

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The very struggle of getting compression stockings / sleeves on and off occasionally tears the underlying skin, especially in patients with thin, fragile skin.

If the patient's limb swells, getting a compression stocking or sleeve on is practically impossible and the patient will either have to lie in bed with their limb elevated until the edema subsides or visit their doctor.

Knee-high compression stockings will not work at all in patients with hourglass-shaped legs because the stockings simply roll down the leg, which cuts off circulation and makes the edema worse. The only other option is a thigh-high or panty-hose type of compression stocking, which is even more uncomfortable and difficult to get on and off.

Lastly, compression stockings and sleeves generally only last about 4 months with daily wear.

The FarrowWrap™ Solution

The FarrowWrap™ was designed to address all of these problems. The impetus for the garment came when Dr. Farrow, who is director of Texas Wound & Lymphedema Center in Bryan, Texas, was struggling to find a product for one of his patients that could not wear a compression stocking. Dr. Farrow called Dr. Creighton, who is a podiatrist and had several years experience with compression products, for collaborative ideas. They identified the above problems and formulated 3 criteria they wanted to meet. One, they wanted to use the best type of compression technology, which is short-stretch, not long-stretch. Two, the product had to be easy to get on and off. Three, the product had to be high quality so that it would last the patient for at least 6 months. The result was the FarrowWrap™.

FarrowWrap™ controls edema better than a compression stocking because it uses short-stretch technology, and it is safer and more effective for patients with mild arterial disease.

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FarrowWrap™ is easy to get on and off. If the patient can reach the top of their foot, they can get the FarrowWrap™ on and off. If the patient cannot, but has a family member or friend that can reach their feet, they can easily get a FarrowWrap™ on and off.

FarrowWrap™ uses bands, so there is no dragging of material up and down a leg, which decreases the likelihood of tearing skin. Because the FarrowWrap™ uses bands, it can also accommodate additional swelling without elevating the limb or visiting the doctor.

The FarrowWrap™ resists rolling or sliding down the leg and so will work on patients with hourglass-shaped legs providing reliable compression. If the patient has only leg edema, a knee-high FarrowWrap™ is all they need.

The FarrowWrap should last at least 6 months with proper care, and may last longer.

Essentially, the FarrowWrap™ empowers the patient to take responsibility of their own healthcare.

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