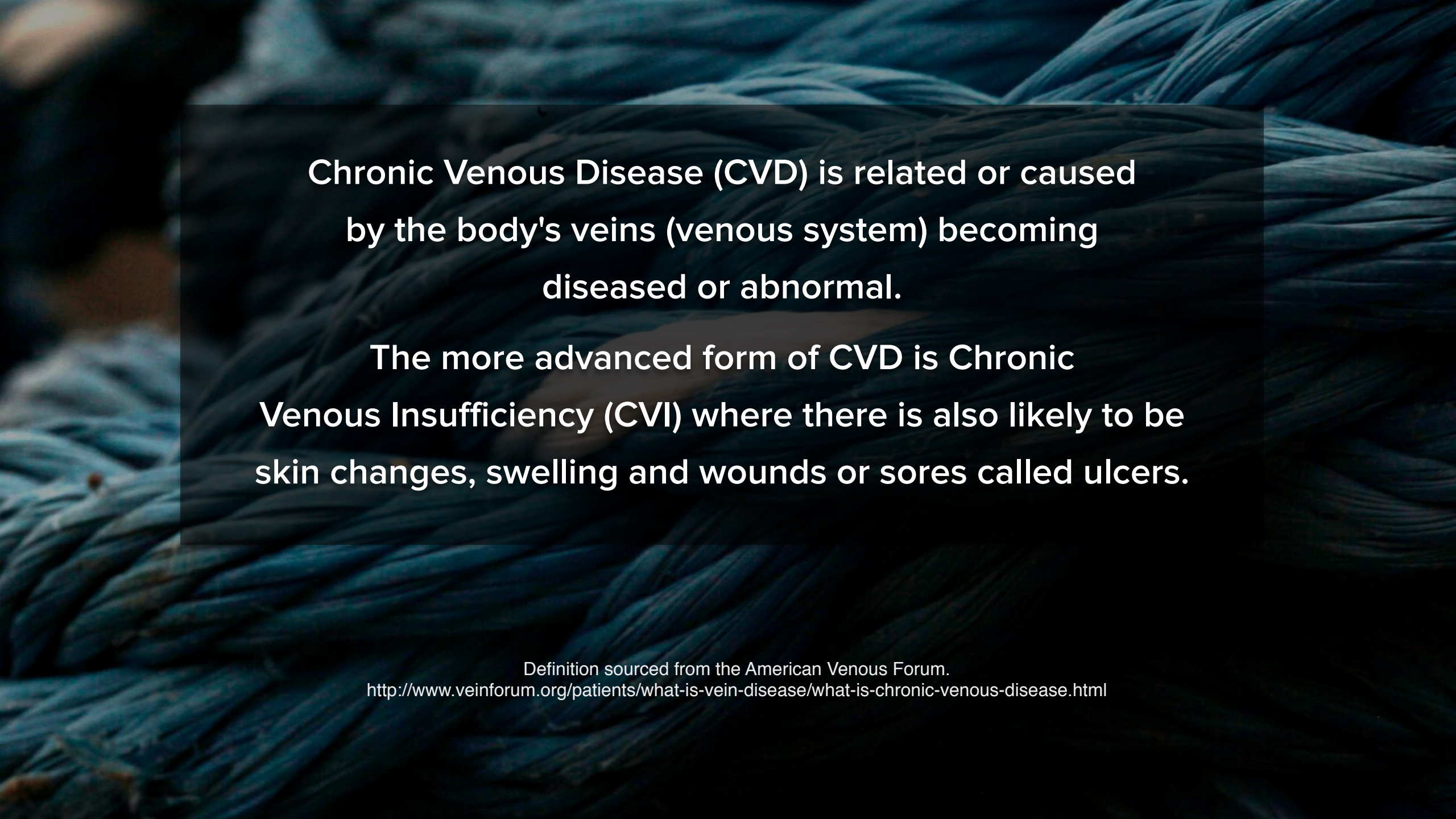


WHAT IS CHRONIC VENOUS DISEASE? (CVD)



This has been reviewed by the Working Group in CVI,
a group of leading vascular experts

The background of the slide is a close-up, artistic photograph of blue veins, likely from a human leg, showing the intricate branching and texture of the venous system. The veins are a deep blue color, and the lighting creates a sense of depth and texture.

Chronic Venous Disease (CVD) is related or caused by the body's veins (venous system) becoming diseased or abnormal.

The more advanced form of CVD is Chronic Venous Insufficiency (CVI) where there is also likely to be skin changes, swelling and wounds or sores called ulcers.

Definition sourced from the American Venous Forum.
<http://www.veinforum.org/patients/what-is-vein-disease/what-is-chronic-venous-disease.html>

CVD

Chronic Venous Disease is a common disease in adults in the US

25 million adults in the US are affected by CVD
More than 6 million have more
advanced venous disease

Source: Beebee-Dimmer, JL, et al. The Epidemiology of Chronic Venous Insufficiency and Varicose Veins. *Ann Epidemiol* 2005;15:175–184.

CVD Risk Factors



Older Age



**Risk Factors
for CVD**

Standing



Obesity

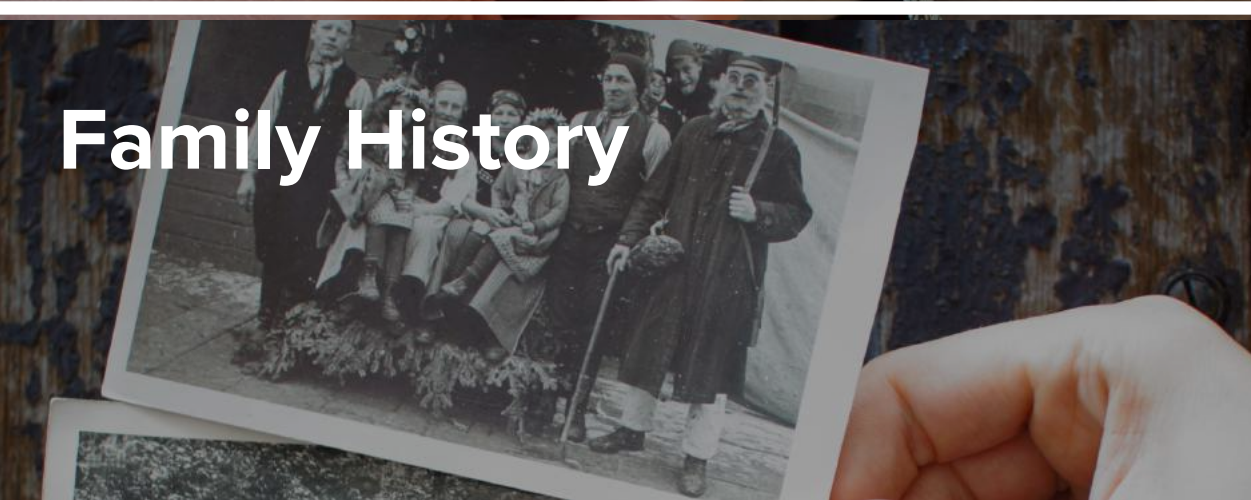


**History of Blood Clot in Legs
(DVT*)**

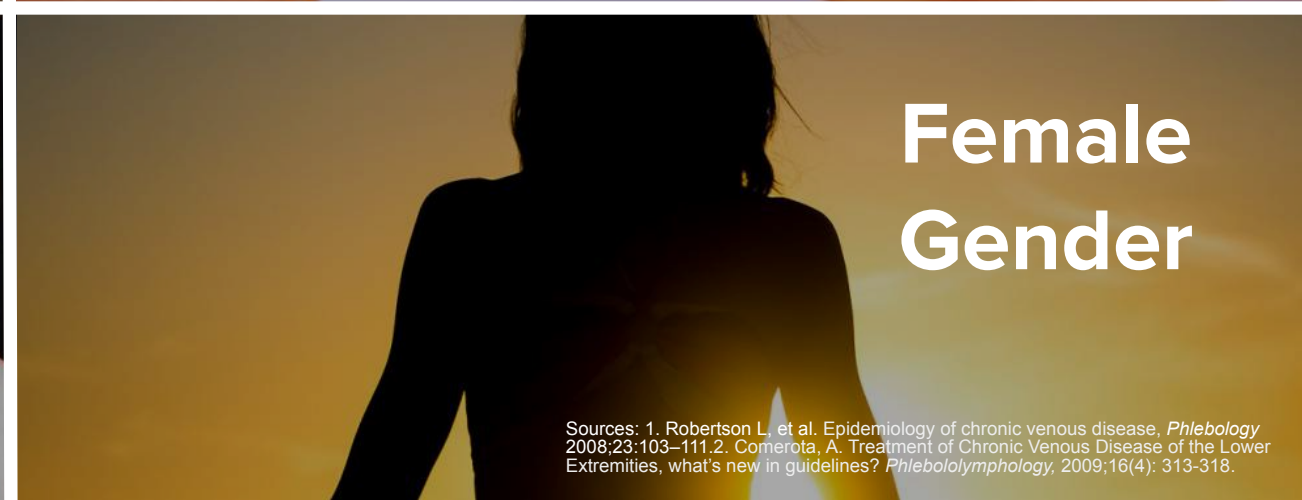
*Deep vein thrombosis (DVT)--when a blood clot forms in one or more of the deep veins in your legs



Family History



**Female
Gender**



Sources: 1. Robertson L, et al. Epidemiology of chronic venous disease, *Phlebology* 2008;23:103-111.2. Comerota, A. Treatment of Chronic Venous Disease of the Lower Extremities, what's new in guidelines? *Phlebology*, 2009;16(4): 313-318.



Risk Factors for Men

Low Fiber Diet/Constipation

Lack of Physical Activity

Previous Leg Injury

Source: The Influence of Environmental Factors in Chronic Venous Insufficiency Arkadiusz Jawien, *Angiology* 54(1) :S19-S31, 2003



Risk Factors for Women

Pregnancy/Multiple Births

Overweight and Obesity

Prolonged Standing
or Sitting with
Limited Movement

Source: The Influence of Environmental Factors in Chronic Venous Insufficiency Arkadiusz Jawien, *Angiology* 54(1) :S19-S31, 2003

The background of the slide features a dark blue, textured surface with concentric ripples emanating from a central point, resembling a drop of water hitting a pool. The ripples create a sense of depth and movement, with lighter blue highlights and darker blue shadows. The text "Causes of CVD" is centered over this background.

Causes of CVD

Combination of Factors



Genetic



Inflammation



Stress On Legs

Signs of Venous Inflammation

The background of the image is a photograph of a snowy, rocky landscape under a dark night sky. A vibrant green aurora borealis is visible, with several bright, flowing bands of light arching across the upper half of the frame. The foreground shows dark, jagged rocks partially covered in a layer of white snow. The overall mood is serene and mysterious.

Swelling

Edema



A condition characterized by an excess of watery fluid collecting in the tissues of the legs

Varicose Veins

Occur when vein walls are stretched out and lose their tone



The veins most commonly affected are those in your legs and feet



Pigmentation

Skin discoloration



Skin darkens, or becomes reddish or brown at the ankles or lower legs

Venous Eczema



Caused by fluid collecting, which can form itchy, red, blistered, or crusted patches on both lower legs

Ulcers

Skin erosions

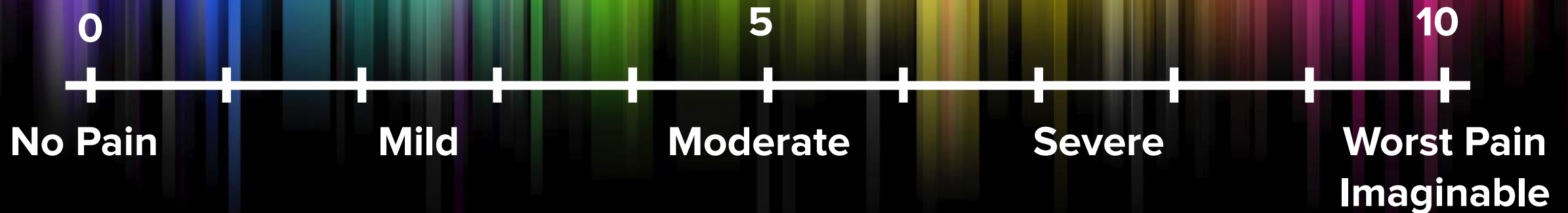


A breakdown of the skin caused by fluid building up from poor vein function



CVD Symptoms

**Pain
Discomfort
Aching
Cramps**





Heaviness Swelling

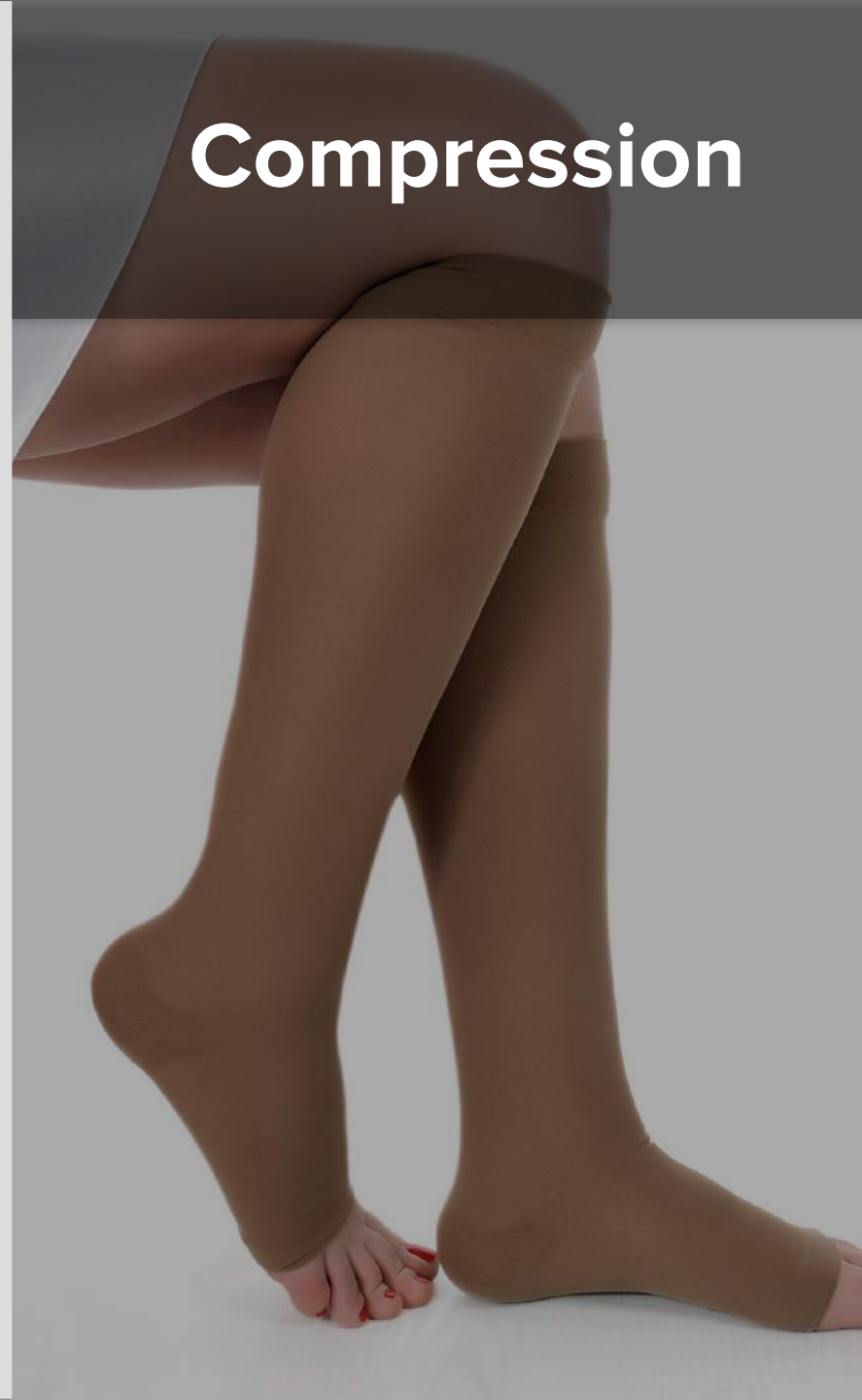
A photograph of a male doctor with grey hair and glasses, wearing a white lab coat over a blue shirt and a striped tie. He has a stethoscope around his neck and is holding a clipboard. He is looking down at the clipboard and talking to an elderly woman with short, wavy grey hair. The woman is wearing a light blue top and a grey cardigan. She is smiling and looking up at the doctor. His hand is resting on her shoulder. The background is a clinical setting with shelves containing various bottles and containers.

Managing CVD

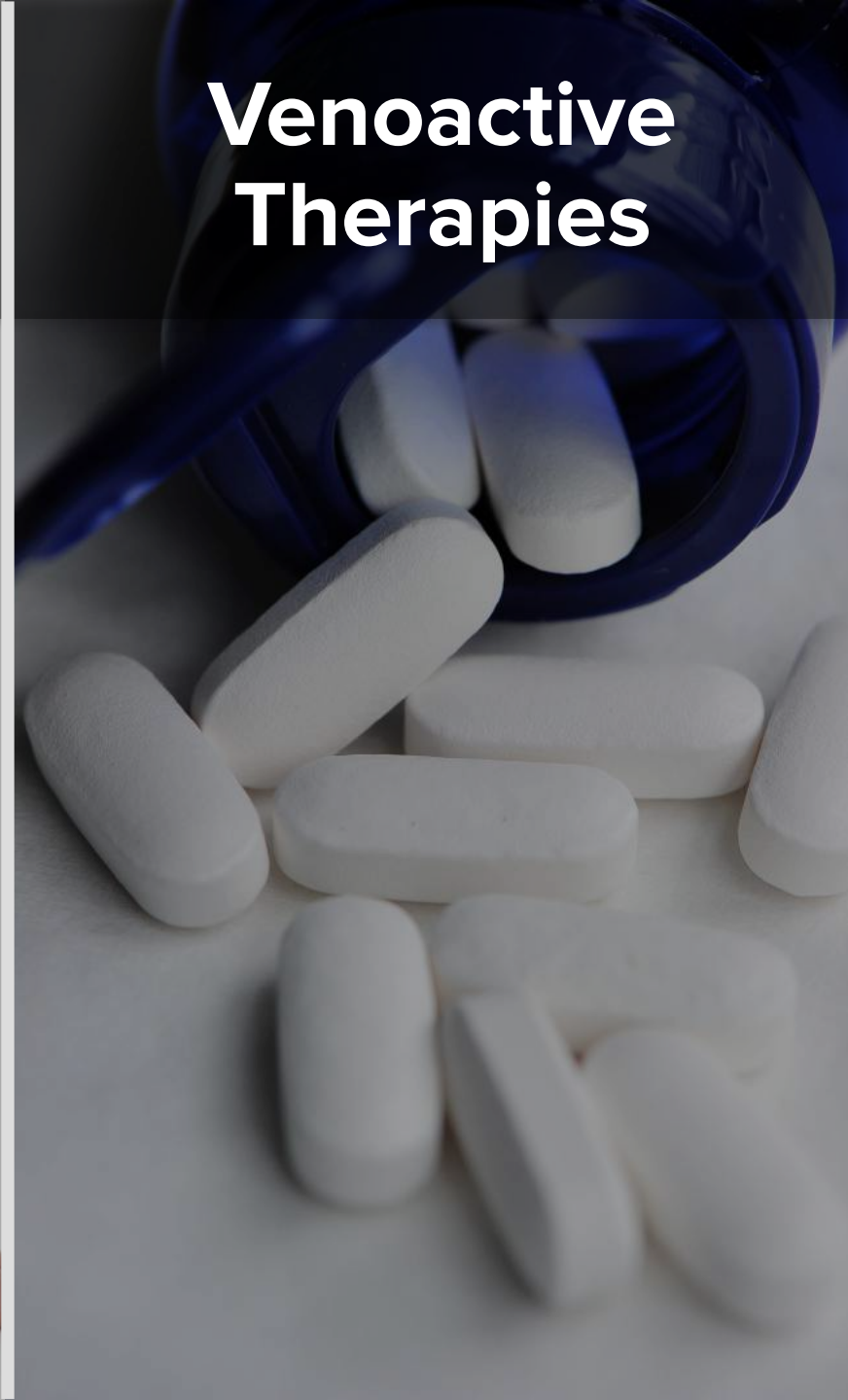
Procedures



Compression



Venoactive Therapies



A high-pressure water spray from a hose against a dark background. The spray is a bright, conical jet of water originating from the top right corner and extending towards the center. The background is dark and textured, possibly a wall or ground surface. The overall image has a muted, greyish tone.

Reducing Inflammation

Venoactive Therapies

Micronized Purified
Flavanoid Fraction (MPFF)

A pill, available only by prescription,
made from food or plant substances,
that effect swelling (edema) and
other symptoms of CVD

You would have to eat 25 - 50 oranges with their peels per day to get the same amount of MPFF



Vasculera
diosmiplex 630mg

Self-Checklist for Managing CVD

- ☒ Wear compression stockings
- ☒ Avoid too much standing
- ☒ Keep legs elevated
- ☒ Make an effort to exercise
- ☒ Ask your vein specialist about naturally-derived venoactive therapy for symptoms

For More Information About Venoactive Therapies
Like MPFF, Go to [Vasculera.com](https://www.Vasculera.com)