



What is your MicroVascular Health Score™ and why do you need to know it?

A healthy microvascular system is important to provide nutrients and oxygen to all the cells in our body and remove waste products away from our organs.

Nutrients and oxygen enter the blood via the intestinal system and lungs respectively and are distributed to our organs via the large arterial blood vessels. Inside the organs, delivery of nutrients and oxygen from blood to tissue cells occurs in the smallest blood vessels that are very close to individual tissue cells. These microvessels are imaged by the GlycoCheck® system and several important parameters are measured to be able to determine the health of the microvascular system.

Researchers and physicians can now quantify capillary density, capillary blood volume, blood flow and red cell velocity, and endothelial glycocalyx function with non-invasive technology. A healthy microvascular system should have a sufficient number of microvessels that facilitate nutrient exchange to the tissue cells.

To maintain a healthy microvascular system and to prevent loss of microvessels, the microvascular system is coated on the inside of each individual microvessel with a protective gel-lining, called the GLYCOCALYX. This protective coating prevents blood cells from sticking to the wall and fluid from leaking through the walls of microvessels. The GlycoCheck® system measures how deep red blood cells can penetrate into the protective glycocalyx coating, which is reflected in the PBR value. A high value means deeper penetration and more damage of the glycocalyx lining.

Overall health of the microvascular system is represented by the MVHS Score (MicroVascular Health Score™) that is calculated from capillary blood volume, recruitment capacity, and PBR.

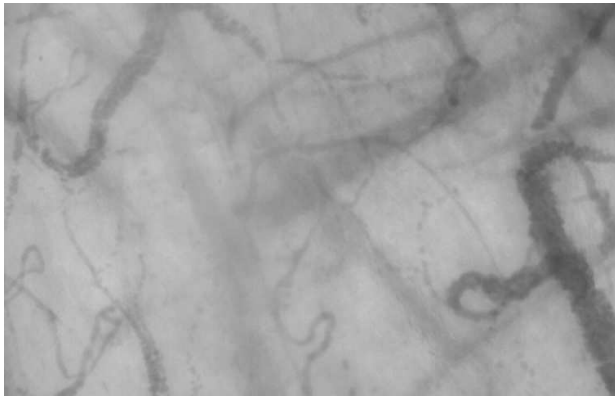
GlycoCheck® is the only automated imaging device that measures the health of microcirculation and produces a MicroVascular Health Score.™ The small vessels of microcirculation makeup 99% of the contact surface area of the vascular system. This is where the exchange of nutrients, oxygen, hormones, and waste and carbon dioxide removal, takes place.

Until now, current medical technology is only able to measure the macrocirculation—arteries and veins—representing only 1% of all circulation.

What is the GlycoCheck® test?

GlycoCheck® is a non-invasive test, using a video microscope camera placed under the tongue. It evaluates your microvascular system down to the smallest capillaries and reflects your entire body's health. The video microscope shows live movement of your red blood cells as they travel through your microvessels.

Research confirms that under-the-tongue measurements are indicative of the health of the entire vascular system which supplies nutrients and oxygen to organs such as the brain, eyes, heart, kidneys, and all others.



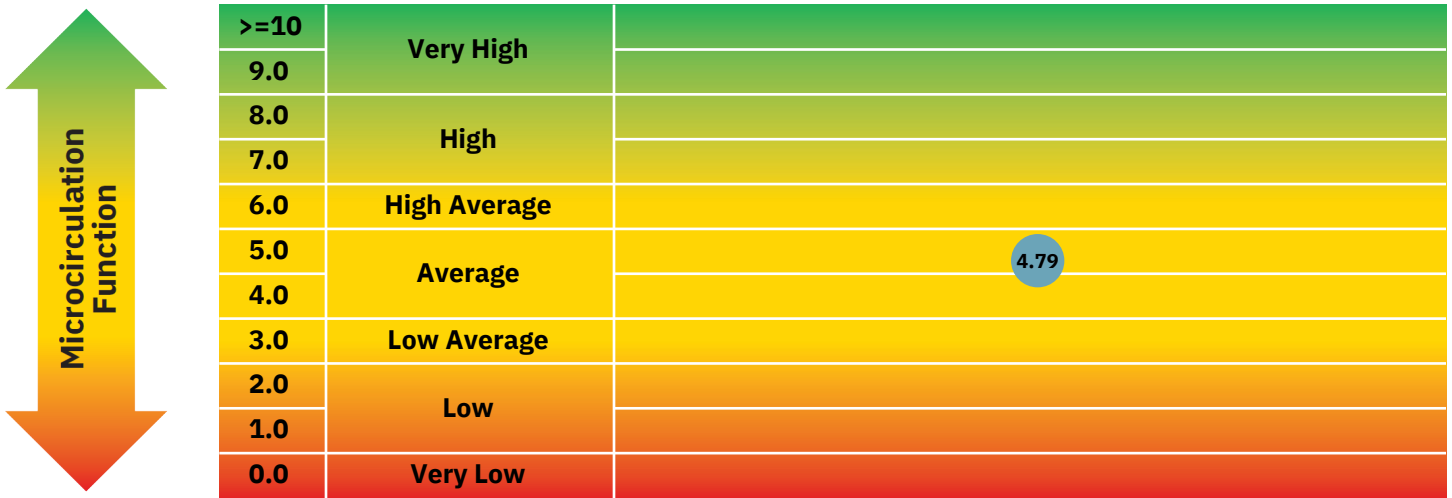
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GlycoCheck measures and analyzes microvascular health and objectively reports your systemic MicroVascular Health Score.™ In just minutes, 100,000 vessels are measured, with 1,000 measurements calculated per vessel. The result: over 100 million calculations.

MicroVascular Health Score™



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Your organs could be slowly starving, and you don't even know it. It's estimated that over 80% of people of all ages are exposed to risks associated with breakdown of the microvascular system. Risk factors include aging, genetics, obesity, stress, pollution, smoking, vaping, and many additional risk factors.

Early warning signs of poor microcirculation include:

- High Blood Pressure
- Diabetes
- Skin Problems
- Slow Wound Healing
- Hair Thinning
- Fatigue
- Memory Loss
- Lack of Focus
- Certain Eye Problems
- Erectile Dysfunction
- Severe PMS
- Cold Hands and Feet
- Leg Cramps
- Hearing Loss

Research links poor microcirculation to these silent killers:

- Diabetes
- Hypertension
- Heart Disease
- Stroke
- Kidney Disease
- Dementia
- Septic Shock
- Inflammatory Disorders
- Compromised Immunity
- Cancer Metastasis
- COVID-19

It's important to maintain or adopt a healthy lifestyle that includes a balanced diet and exercise. Talk to your doctor about your MicroVascular Health Score™ (MVHS) and discuss how this correlates with other tests that are being tracked for your health. Your doctor can provide options that can improve your MVHS.



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