

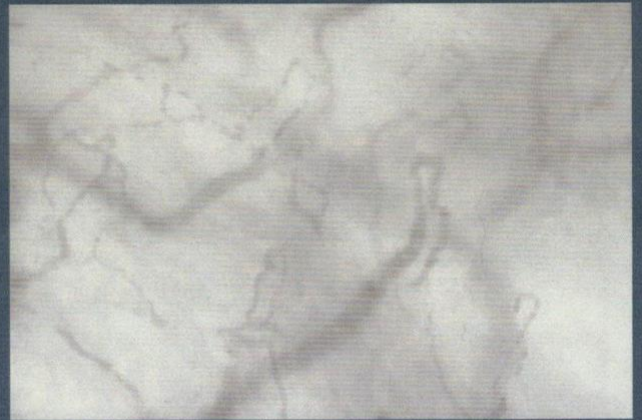
Monitor the status of the endothelial glycocalyx lining inside the microvessels with GlycoCheck. *Available for patient testing in your office*

**Unhealthy
microcirculation
BEFORE
taking Endocalyx Pro™**

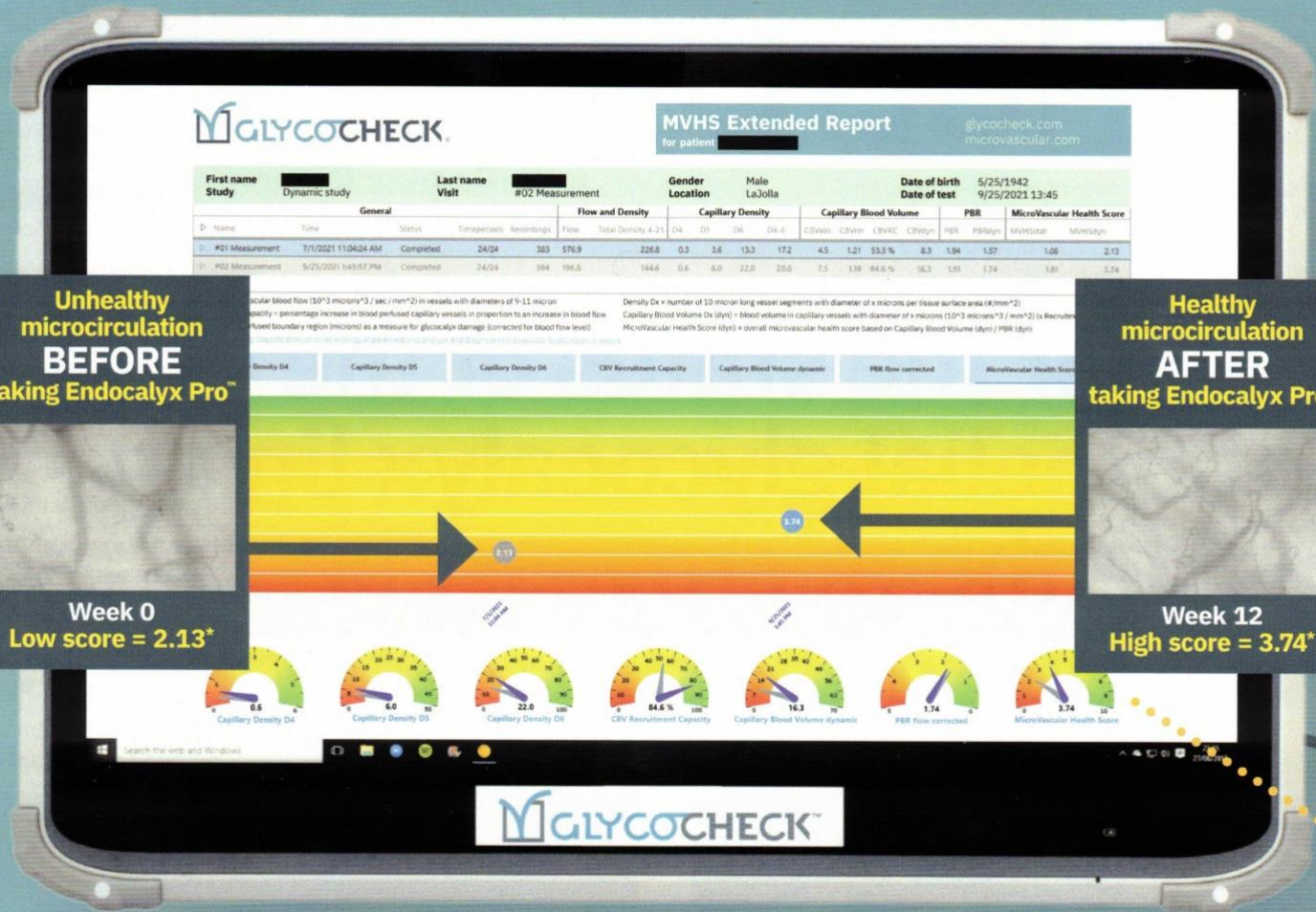


**Week 0
Low score = 2.13***

**Healthy
microcirculation
AFTER
taking Endocalyx Pro™**



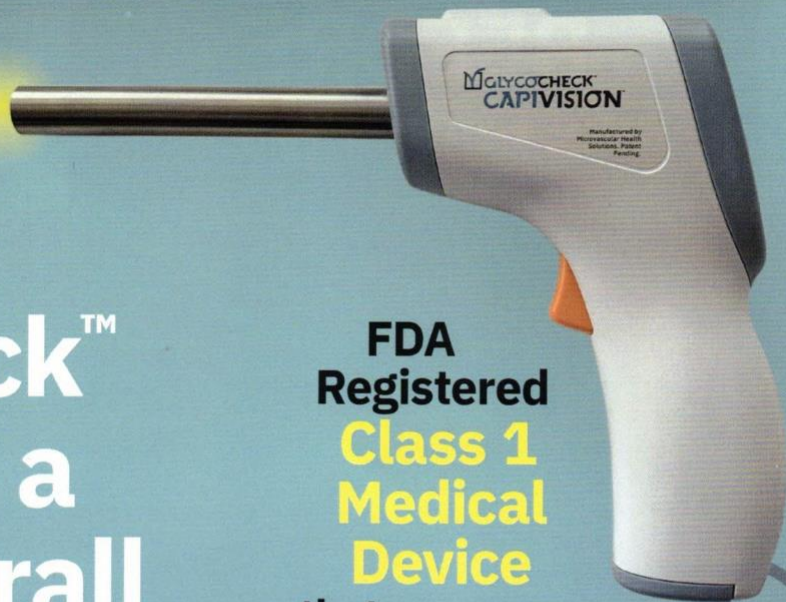
**Week 12
High score = 3.74***



Monitor the status of the endothelial glycocalyx lining inside the microvessels

GlycoCheck™ generates a single overall MicroVascular Health Score™

FDA Registered Class 1 Medical Device
that measures and analyzes the endothelial glycocalyx



GlycoCheck is a non-invasive under-the-tongue test that produces a single MicroVascular Health Score™ that reveals the health of the microvessels lining the arteries, veins, and most importantly, the capillaries.

Lower scores are linked to

- ✓ Diabetes
- ✓ Hypertension
- ✓ Heart Disease
- ✓ Kidney Disease
- ✓ Stroke
- ✓ Dementia
- ✓ Septic Shock
- ✓ Inflammatory Disorders
- ✓ Cancer Metastasis
- ✓ Long-Haul COVID-19 Complications

Non-invasive
under-the-
tongue test



GlycoCheck measures several key parameters of the microvascular system
Values are displayed in small dials below the main chart

Capillary Density D4-D6

The number of capillary blood vessels with a diameter of 4 to 6 microns. This number tells you the capacity of your capillary network to get nutrients to organs and tissue cells. A higher number is better. Average normal ranges are in the yellow area.

CBV (Capillary Blood Volume) Recruitment Capacity

Reserve capacity that shows the additional number of functional capillary blood vessels that can be engaged when blood flow goes up. This is important to know if capillary blood vessels can increase the supply of nutrients to tissues when organs need more nutrients and oxygen (for example, during exercise). Higher is better, but average normal ranges are in the yellow area.

Capillary Blood Volume Dynamic

The maximum capillary blood volume when all available capillary blood vessels are engaged at high blood flow levels. This tells the maximum functional capacity of the capillary network. Higher is better, but average normal ranges are in the yellow area.

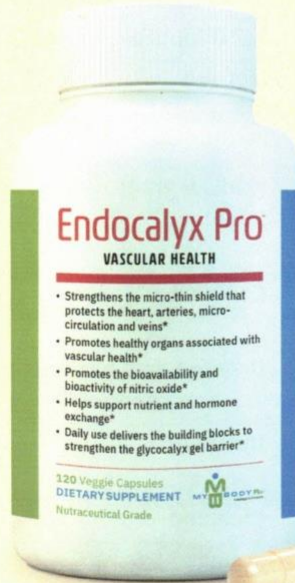
PBR (Perfused Boundary Region) Flow Corrected

The level of damage to the endothelial glycocalyx. A lower number means a healthier glycocalyx. The functional implication: you need a healthy glycocalyx to protect the capillaries and keep the recruitment capacity high. A lower number is better and implies a thicker systemic glycocalyx.

MicroVascular Health Score (MVHS)

An overall score based on capillary density, recruitment capacity, and glycocalyx health to report the health of the microvascular system. A higher MVHS score means better microvascular health, enabling delivery of nutrients and oxygen to, and removal of waste and carbon dioxide from, organs and tissues. Scores of most healthy people range between 3.0 and 7.0.

For patients who want to improve their MicroVascular Health Score, there is the Endocalyx Pro™ solution.



Strengthens the micro-thin shield that protects the heart, arteries, microcirculation and veins*



Restore, regenerate, and protect the endothelial glycocalyx with Endocalyx Pro™

Endocalyx Pro™ is a proprietary, patented dietary supplement that has been clinically shown to maintain a healthy glycocalyx*

This patented anti-aging supplement formula has been clinically shown to improve the health of the glycocalyx using seven synergistic ingredients from three classes of compounds:

- **Restore: Polysaccharides enable repair of damage to the glycocalyx.** Polysaccharides are long sugar chains that can interact with proteins and other molecules of the glycocalyx to restore its protective structure.
- **Regenerate: Amino sugars enable the production of more glycocalyx.** Amino sugars are the precursor for polysaccharide biosynthesis. They enable the cells of the vessel wall to produce more glycocalyx polysaccharides and regenerate the body's ability to produce more of the protective gel.
- **Protect: Antioxidants protect the polysaccharides** of the endothelial glycocalyx from additional damage and breakdown.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.

GlycoCheck™ system options

GlycoCheck System Information	Healthcare Practitioner Option	Academic Research Hospital Option
	<i>New for healthcare practitioner offices.</i>	<i>Only available for academic research hospitals.</i>
Software Version	5.2 (Cloud-based SaaS)	5.2 (Cloud-based SaaS or System Installed)
GlycoAnalysis Software	N/A	GlycoAnalysis (called LocalViewApplication) which gives access to all raw videos and detailed data per vessel segment
Computer System	Medical grade, large screen, all-in-one tablet	Custom high-powered multi-core, multi-drive laptop or Medical grade, large screen, all-in-one — or medical grade tablet if SaaS model is selected.
High-Definition Auto-Focus Video Microscope Camera	CapiVision™	CapiVision™
Video Data Calculations and Report Generation	Detailed data per diameter class and two levels of reports	Access to all raw videos and detailed data per vessel segment
User Manual and Demonstration Video	Included	Included
24/7 Tech Support	Included	Included
Online Training and Certified Technician Training	Included	Included
Practitioner CME Training on Glycocalyx and Microvascular Science	Basic included at no cost. Advanced training available.	Basic included at no cost. Advanced training available.
Research Training and Data Analysis	Not available	Available on a case-by-case basis
5-Year Warranty	Included	Included
Single-Use Disposable Lens Covers	150 included; additional available for purchase	150 included; additional available for purchase
System Cost (US Dollars)	\$19,995.00 (Leasing or other financing available)	\$32,000.00
Per Test Cost	\$75.00 per test	Cloud data storage package options available; a fee per test for SaaS tests will apply.

- Endothelial glycocalyx research using GlycoCheck is being conducted in Africa, Asia, Australia, China, Europe, Japan, Russia, and the United States
- GlycoCheck is used in over 140 academic research hospitals worldwide
- Over 80 peer-reviewed published papers have used GlycoCheck



For more information about **GlycoCheck** visit GlycoCheck.com.



For more information about **Endocalyx Pro™** visit NuLifeSciences.com.