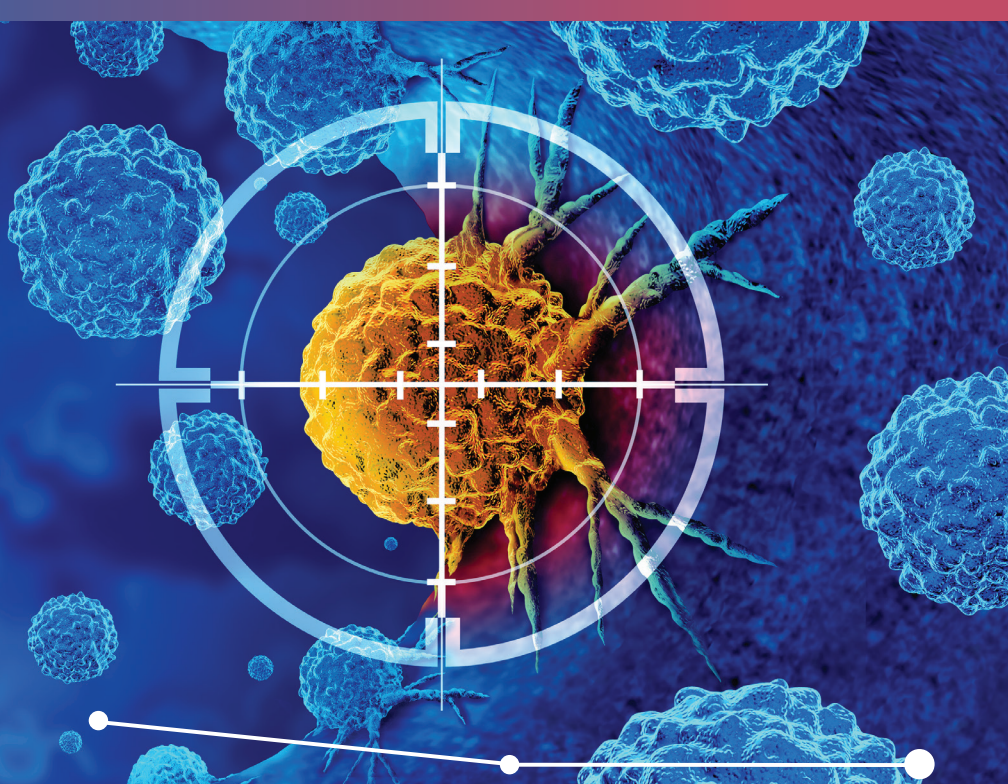


Chronic inflammation is a persistent, often silent condition¹ that may not be apparent during routine clinical evaluation.

A low-grade inflammation that remains for months or years within the body can be quite damaging. While not visible, it can open the door to tissue and organ damage, a weakened immune system, and may contribute to vascular dysfunction and endothelial injury caused by dyslipidemia, hypertension, and diabetes.^{1,2,3}



SmartVascular Dx™

Understanding biological processes associated with chronic inflammation is important for maintaining vascular and endothelial health. Although inflammation is a natural protective response to injury or infection, it can become harmful when it persists long after it is needed.¹

Inflammation caused by abnormal lipid levels, blood sugar content, and blood pressure will activate white blood cells and cytokines—chemical messengers—involved in the inflammatory response that respond to an injury or infection within the body.⁴

Chronic inflammation can impact your vascular/endothelial health

The endothelium is the inner cellular lining of the vascular system, which includes blood vessels and the lymphatic system.³ This system transports blood, nutrients, oxygen, and hormones while also removing metabolic waste.

Chronic conditions such as dyslipidemia, hypertension, and diabetes, can contribute to ongoing vascular inflammation and endothelial dysfunction.⁴ Over time, this inflammatory stress may damage blood vessels, impair circulation, and increase the risk of vascular-related complications.

SmartVascular Dx™ (SVDx) is designed to help physicians and healthcare providers assess biomarkers associated with vascular inflammation and endothelial health when evaluating patients with dyslipidemia, hypertension, and diabetes. The results may provide additional information for physicians to consider alongside clinical findings to support medical evaluation and patient management.

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