Measurements that matter in the moment.

Continuous and objective blood flow measurements on the table, so you know your work is working.
The challenge

When it comes to gauging the impact of peripheral arterial disease (PAD) revascularizations, angiography cannot fully assess distal blood flow.\textsuperscript{1,2} Is there a way to reduce procedural uncertainty by directly measuring blood flow?

Intraprocedural blood flow monitoring\textsuperscript{†}

The FlowMet system:

\begin{itemize}
\item Provides real-time, quantitative measurement of volumetric blood flow to distal tissue bed\textsuperscript{3,4}
\item Supplements angiography to support procedural insights\textsuperscript{4}
\item Continuously monitors blood flow changes throughout the intervention without inhibiting workflow\textsuperscript{4}
\item Noninvasive, simple, and easy to use
\end{itemize}

\textsuperscript{†}FlowMet device is only cleared for measuring blood flow as an intraprocedural monitoring device, and is intended to supplement angiographic assessment and other vascular assessment tools. FlowMet is not indicated to diagnose disease.

\textsuperscript{‡}Images are for illustration purposes only and may vary according to sensor location and disease stage.
Quantify and characterize blood flow

- Flow value quantifies volumetric blood flow through a calibrated numeric scale\(^4\).
- Waveform reflects real-time changes in blood flow during the cardiac cycle, enabling the characterization of blood flow as normal or abnormal\(^5\).
- Working together, these two measurements allow observation of baseline values and changes in blood flow throughout the procedure\(^4\).

How disease impacts flow waveform

- The presence of vascular disease alters waveforms.
- The more severe the disease, the more abnormal the waveform will appear\(^5\).

{\(\begin{array}{|c|c|}
\hline
\text{Vessel disease}^\ddagger & \text{Flow waveform}^\ddagger \\
\hline
\text{Normal} & \text{Waveform 1} \\
\text{Mild PAD} & \text{Waveform 2} \\
\text{Moderate PAD} & \text{Waveform 3} \\
\text{Severe PAD} & \text{Waveform 4} \\
\hline
\end{array}\)}
FlowMet™ disposable sensor technology

- Simply affix the disposable FlowMet sensor to the patient’s toe at the beginning of the procedure
- Laser light is transmitted through the entire digit, enabling measurement of the full tissue volume
- Using laser speckle imaging, the system continuously measures changes in blood flow during a case
- Blood flow movement alters the speckle pattern, and these real-time changes are reflected in the measurements on-screen

Learn more at medtronic.com/FlowMet

References

Important: Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device.
Indications for use: The FlowMet™ is a noninvasive probe that is affixed to the fingers or toes and intended to quantify tissue blood flow rate.
Caution: Federal (USA) law restricts this product for sale by or on the order of a physician.

UC201910865c EN ©2022 Medtronic. All rights reserved. Medtronic and the Medtronic logo are trademarks of Medtronic. All other brands are trademarks of a Medtronic company. For distribution in the USA only. 09/2022

medtronic.com/FlowMet