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INFORMATION
Daryl Cole: 706-272-6168

Hamilton Medical Center expands cardiac care with AI-driven analysis

DALTON, Ga. (October 26, 2026) – Hamilton Medical Center (HMC) has expanded its cardiac diagnostic capabilities with the addition of HeartFlow Plaque Analysis: an FDA cleared technology that evaluates coronary artery disease (CAD) using standard Coronary CT angiography (CCTA) data.

Using artificial intelligence, this technology measures total coronary plaque volume, characterizes plaque types (calcified, non-calcified, and low attenuation), and stages disease risk. These additional findings can help the care team assess coronary artery disease and inform individualized treatment decisions alongside each patient's symptoms, history and other clinical results.

"HeartFlow Plaque Analysis provides a validated measurement of total plaque volume and its calcified and noncalcified subcomponents across the whole coronary tree, allowing a more accurate estimation of cardiovascular risk than coronary artery calcium (CAC) score or degree of coronary artery stenosis alone, said Zorana Mrsic, MD, non-invasive cardiologist. "Our goal is to use this information as part of a comprehensive evaluation to guide prevention and treatment for each patient."

HMC also offers HeartFlow FFRCT Analysis, which uses coronary CT images to estimate how identified coronary artery narrowing may affect blood flow – without an additional imaging appointment or an invasive procedure such as heart catheterization. Along with this technology, HMC uses percutaneous coronary intervention (PCI) Navigator, an integrated AI-driven planning tool that provides patient-specific 3D modeling, which allows interventional cardiologists to assist in streamlining cardiac procedures with increased efficiency and clinical confidence.

To learn if you or someone you know could benefit from this testing, please call 706-226-3434.

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Photos:

Hamilton Medical Center has expanded its cardiac diagnostic capabilities with the addition of HeartFlow Plaque Analysis. From left are Robin Nguyen, cardiovascular specialist; David Fishman, MD, interventional cardiologist; and Heather Johnston, cardiovascular specialist.

Zorana Mrsic, MD

About Hamilton Medical Center

The flagship affiliate for Vitruvian Health's Northwest Georgia region, Hamilton Medical Center (HMC) is a 255-bed regional acute-care hospital that offers major medical, surgical and diagnostic services, including accredited stroke and chest pain centers. Advanced technology and wellness are two significant areas of focus for HMC. Services include the freestanding Hamilton Ambulatory Surgery Center, Hamilton Diagnostics Center, and Bradley Wellness Center, as well as a Level III trauma center, Peeples Cancer Institute, Heart & Vascular program (including open heart surgery), Bandy Endoscopy Center, Hamilton Spine Health and Sport, Level III Neonatal Intensive Care Unit, and more. HMC has been designated a Level I Emergency Cardiac Care Center by the Georgia Department of Public Health and has been recognized by the American College of Cardiology as a top hospital in Georgia for quality heart care.

About Vitruvian Health

Vitruvian Health, formerly Hamilton Health Care System, is a not-for-profit, fully integrated health system serving the Northwest Georgia and Southeast Tennessee regions. Vitruvian includes Hamilton Medical Center in Dalton, Ga., and Bradley Medical Center in Cleveland, Tenn., affiliated physician practices, walk-in care centers, retirement and skilled nursing centers, a diagnostic center, a cancer institute, an institute for children with developmental delays, and more. Known for its advanced care and personalized service, Vitruvian Health offers innovative treatment options in state-of-the-art facilities while maintaining a compassionate, friendly and tranquil healing environment.

The Vitruvian name draws from the organization's recognizable da Vinci-inspired Vitruvian Man icon, which has been a prominent part of Hamilton's logo since 1976. Da Vinci's Vitruvian Man represents harmony, balance, and the interconnectedness of all aspects of health, perfectly aligning with Hamilton's integrated system of care.