



Vitruvian Health

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INFORMATION

Daryl Cole: 706-272-6168

Hamilton Medical Center is region's first to implant world's smallest defibrillation lead

DALTON, Ga. (January 30, 2026) – Hamilton Medical Center's cardiac team is the first in the region to introduce the world's smallest defibrillation lead for patient care — a tool designed to help recipients keep implanted defibrillators longer with reduced risk of complications over time.

Thinner than a grain of rice, the wire-like OmniaSecure™ Defibrillation Lead by Medtronic is part of a system placed under the skin to treat life-threatening heart rhythm disorders and prevent sudden cardiac arrest. The device itself connects to the heart through thin cables called leads and can deliver electrical shocks and pacing signals if a patient's heart rhythm becomes abnormal.

Traditional leads have a hollow center for a removable guide wire and can be susceptible to weakening over time. The newer lead is solid but flexible and uses a different design for guiding it into place.

"The OmniaSecure lead, which is close to half the size of what we have used in the past, is designed to support better quality of life over the long term," said Anand Kenia, MD, chief of cardiac electrophysiology for Vitruvian Health Heart & Vascular. "The fact that Hamilton is the first in the Chattanooga and Northwest Georgia area to bring this technology to our patients is a reflection of how much we prioritize care."

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Photo: Anand Kenia, MD (right), is pictured with cardiac surgery associates.

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 II trauma center, Peeples Cancer Institute, Heart & Vascular program (including open heart surgery), Hamilton Spine Health and Sport, Level III Neonatal Intensive Care Unit, and more.

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.