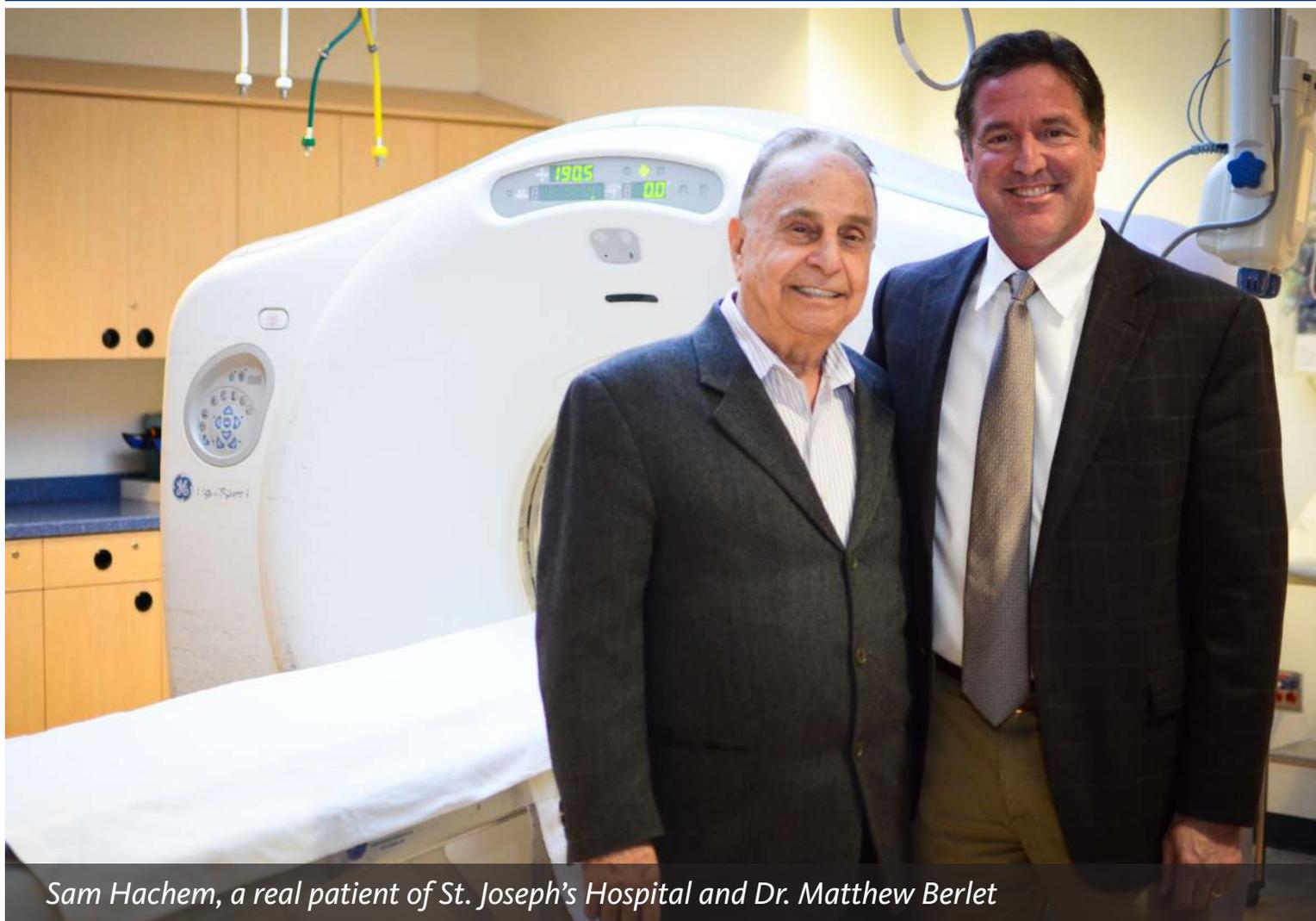


# Noninvasive Optimal Vessel Analysis



*Sam Hachem, a real patient of St. Joseph's Hospital and Dr. Matthew Berlet*

For patients like Sam Hachem, who had a 99 percent stenosis in a critical artery of the brain, NOVA is truly a lifesaver. He sought treatment at St. Joseph's for his intracranial narrowing when medical therapies were not working. A stent was placed to open his artery, but it was difficult to ensure there was no reoccurrence of his vessel narrowing without doing dangerous, invasive cerebral angiography.

Dr. Berlet recommended monthly scans using NOVA MRA technology, which was available only in Chicago at the time. The technology enabled the physician to monitor blood flow to the brain and adjust medications accordingly. Mr. Hachem decided to donate the technology to St. Joseph's Hospital so other members in the community can benefit from it.

**For more information or  
to refer a patient:  
(813) 870-4919**

 **St. Joseph's Hospital**  
BayCare Health System  
IMAGING SERVICES

# Noninvasive Optimal Vessel Analysis

## St. Joseph's Hospital Is the First in Florida to Offer a Noninvasive Test to Predict Stroke Risk

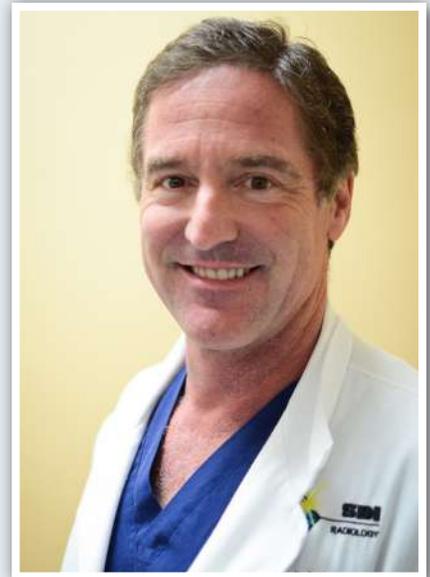
### What Is NOVA?

NOVA MRA is a flow analysis system that works with magnetic resonance imaging to produce a 3D model of the vasculature and quantify vessel blood flow. This determines the severity of the patient's stenosis, or blockage. NOVA has proven to be highly beneficial in diagnosing and treating individuals who are at risk for or who have suffered from stroke or cerebral aneurysms.

There is no direct alternative to the NOVA MRA system. Cerebral angiogram can give the degree of narrowing but exposes the patient to ionizing radiation; and there is also a chance of stroke during the procedure.

### Benefits of NOVA

- NOVA is the first system that allows fast, accurate and noninvasive determination of actual flow in ml/min.
- The entire process is streamlined for an efficient and accurate assessment of the patient's risk for stroke.
- Completely noninvasive and no contrast is needed.



▶ Dr. Matthew Berlet

Neuro interventional radiologist Dr. Matthew Berlet serves as the medical director of the Department of Radiology and the stroke program at St. Joseph's Hospital. He is a board-certified radiologist with a subspecialty expertise in neuroradiology.

*"We now have such a rare commodity – and the community needs to know about the importance and availability of NOVA."*

*Dr. Berlet*