

## WHAT PHYSICIANS ARE SAYING

“The results seen with the Claret Medical system are striking. They clearly show that by removing embolic debris from cerebral circulation when performing TAVI we can dramatically reduce both the quantity and volume of brain lesions.”

-Axel Linke, MD, Professor of Preventative and Regenerative Cardiology, University Leipzig Heart Center, Leipzig, Germany

“We are now able to universally remove debris that otherwise had the potential to travel to patients’ brains. This is a meaningful step in enhancing the safety of TAVI.”

-Dr. Raj Makkar, Cedars-Sinai Medical Center

“We would never drive without a seat belt and we should never do TAVI without embolic protection.”

-Dr. Susheel Kodali, NewYork-Presbyterian

Ask your cardiologist if you are eligible for the Sentinel for Protected TAVI.



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medical

Treat Your Heart. Protect Your Brain.  
With the Sentinel Cerebral Protection System.

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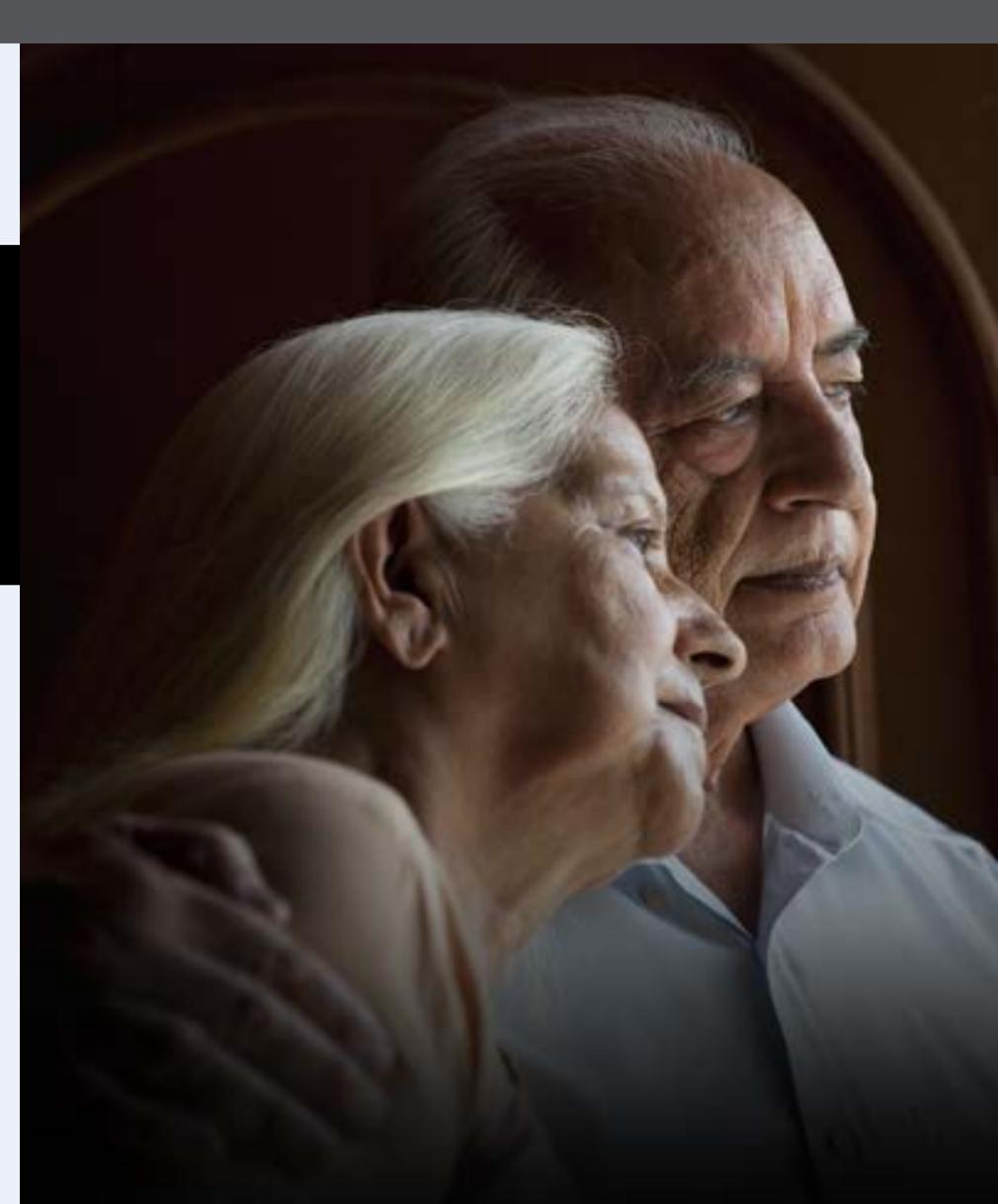
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#### References:

1. Kapadia S, Kodali S, Makkar R, et al. Protection against cerebral embolism during transcatheter aortic valve replacement. JACC. 2017 Jan 31; 69(4): 367-377
2. Seeger J, Gonska B, Otto M, Rottbauer W, Wöhrle J. Cerebral embolic protection during transfemoral aortic valve replacement significantly reduces death and stroke compared with unprotected procedures. JACC Cardiovasc Interv. 2017 Sep 7. pii: S1936-8798(17)31313-4. doi: 10.1016/j.jcin.2017.06.037. [Epub ahead of print]



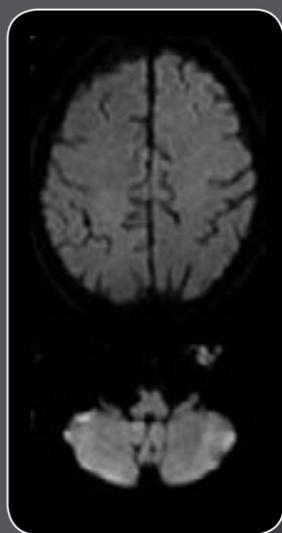
**THE SENTINEL™  
CEREBRAL PROTECTION  
SYSTEM**

**FOR PROTECTED TAVI™**

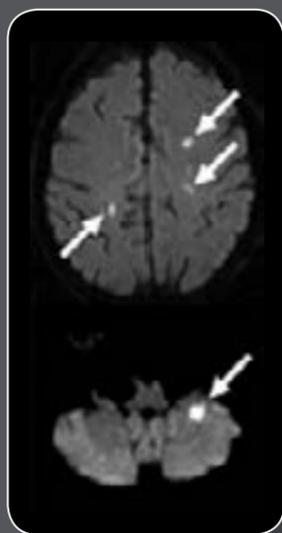


## ABOUT TAVI

Transcatheter aortic valve replacement, or TAVI, is the gold standard therapy for patients with severe aortic stenosis. It replaces a diseased aortic valve in a minimally-invasive way, letting you avoid open heart surgery. TAVI can save lives and significantly improve quality of life, but like all medical procedures, it may involve risk.



Pre-TAVI Brain



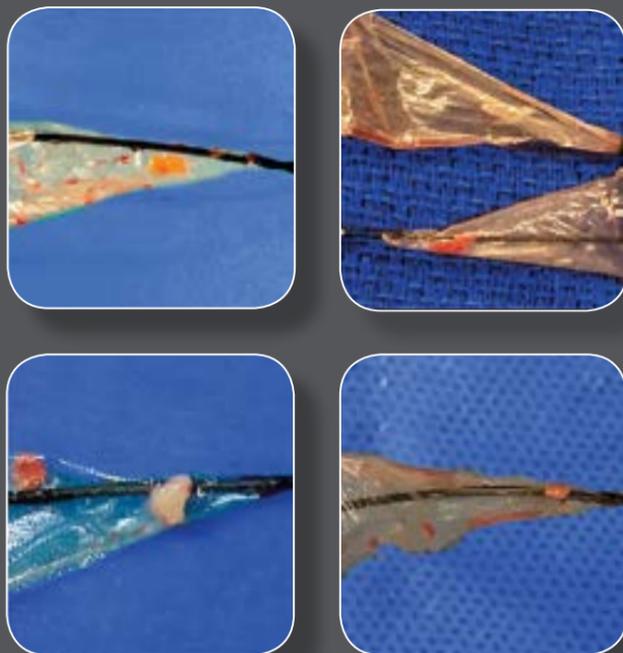
Unprotected TAVI Brain

During the procedure, pieces of the calcified heart valve or other debris can break loose and travel through the arteries toward the brain. This material may block blood flow in vessels that supply oxygen to the brain, which can lead to long-term damage. Unfortunately, the damage is difficult to predict.

In fact, studies show that almost one in 10 patients exhibit obvious signs of brain injury (or stroke) as a result of TAVI.<sup>1</sup>

## ABOUT THE SENTINEL

The Sentinel™ Cerebral Protection System is the first and only device in the U.S. to offer you protection from the risk of stroke during TAVI. It works by capturing debris released during TAVI and removing it before it can reach the brain.

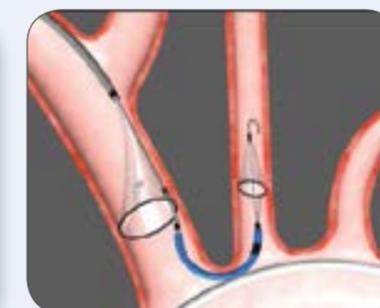
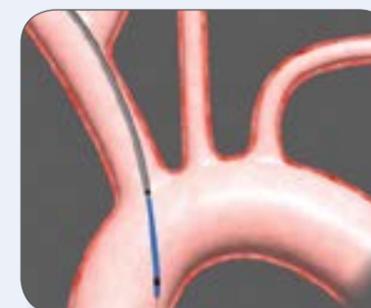


Examples of debris captured by the Sentinel device

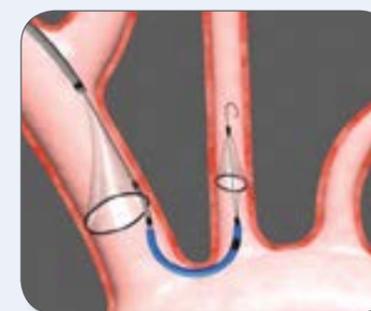
Clinical trials of more than 1,500 patients have demonstrated that the Sentinel device is safe and easy to use.<sup>1,2</sup> It removes visible debris headed toward the brain in 99% of TAVI cases.<sup>1</sup> The Sentinel has also demonstrated it reduces TAVI-related strokes by as much as 70%.<sup>2</sup> The Sentinel technology has been used to protect thousands of patients worldwide and is the most-studied device in its field.

## HOW THE SENTINEL WORKS

- 1 The Sentinel device is delivered at the beginning of the TAVI procedure, via a small tube inserted through a puncture in the right wrist.
- 3 Throughout the TAVI procedure, the Sentinel filters collect debris and prevent it from traveling to the brain.



- 2 Using a minimally-invasive catheter, two tiny filters are placed in the two main arteries feeding the brain. This takes about five minutes.
- 4 At the completion of the TAVI procedure, the filters and collected debris are recaptured into the catheter and removed from your body.



The Sentinel provides Protected TAVI™ so you and your loved ones can have peace of mind.

Endorsed by



American Association of Neurological Surgeons

