

# SenSmart 8006

## Innovation in Regional Oximetry

You know that monitoring cerebral perfusion can help you make more confident decisions in situations from cardiopulmonary bypass to emergency resuscitation. But some hospitals limited the use of regional oximetry (rSO<sub>2</sub>) because of cost. The sensors were simply too expensive.

**Until now.**

## Introducing the SenSmart 8006 hybrid system

Research suggests that rSO<sub>2</sub> monitoring can help clinicians respond more effectively to desaturations, which are correlated with higher costs and adverse health outcomes.

The SenSmart 8006 hybrid system incorporates a reusable sensor and disposable patient interface, bringing this technology within reach of more hospitals.

## Limited Market Release

Clinicians in three facilities used SenSmart 8006 sensors in six cardiovascular operating rooms to monitor a total of 89 patients. They said the system performed as well as disposable sensors, and was just as easy to use—while minimizing cost and waste. The system was evaluated at:

- **Azienda Ospedaliera Universitaria Integrata**  
Verona, Italy
- **Centre Hospitalier Universitaire**  
Lille, France
- **Cooper University Hospital**  
Camden, New Jersey, USA



8006CA Reusable Sensor



8006PI Patient Interface



8006 System

**“In recent years, we have used regional oximetry in about a third of all cases. We would have used it more often, but the cost of disposable sensors was a problem. The Nonin 8006 sensor system reduces cost per patient and helps us reduce our environmental impact, too.”**

— *Leonardo Gottin, specialist in anesthesia and intensive care, University of Verona, Italy.*



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## Previous Practice

The participating facilities used regional oximetry in about 30% of surgeries, for procedures with higher risk of cerebral hypoperfusion, such as heart transplants or lesions to the carotid artery.

## Key Findings

- One investigator for this test said his facility would use regional oximetry in many more cases, such as with elderly patients, with sensors that cost less to use.
- Clinicians familiar with Nonin rSO<sub>2</sub> sensors adapted easily to the 8006 system; users did not experience any workflow interruptions.
- Users found that the patient interface adhered securely to skin without additional adhesive; it was also easy to remove, whether or not attached to the sensor.
- Clinicians say hybrid sensors will make regional oximetry more accessible. (Disposable sensors may be preferred for patients with infections transmissible by contact.)

**99%** OF  
USERS  
SAID THEY WERE  
**HIGHLY SATISFIED**  
WITH THE **8006 SENSOR**

## Implications

Reducing the cost per use of sensors brings rSO<sub>2</sub> monitoring technology within reach of more clinicians and facilities. For the same cost, you can now monitor more patients.

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