Preserve facial nerve function and enhance patient care with the Silverstein Facial Nerve Monitor/Stimulator.

Intraoperative facial nerve monitoring has been shown to reduce the probability of iatrogenic injury to the facial nerve during surgery. The Silverstein provides a simple, non-invasive method of providing the best patient care for your ear surgery patients.

A strain-gauge sensor placed in the corner of the patient's mouth detects facial contractions, signified by an audible signal, and a sterile tip probe delivers precise amounts of current to the facial nerve during surgery.

Silverstein™

Facial Nerve Monitor/Stimulator

- Provides early identification of the facial nerve by using electrical stimulators in soft tissue, tumor, and bone.
- Signals unintentional mechanical stimulation of the facial nerve during surgery
- Allows mapping of the facial nerve in the temporal bone or tumor using electrical stimulation
- Reduces mechanical trauma to the facial nerve during tumor dissection
- Provides a method for evaluation and prognosis of facial nerve function at the conclusion of surgery
- Enhances patient care

For routine use in all otologic procedures
- Tympanoplasty
- Mastoidectomy

For use in soft tissue and tumor dissection
- Parotidectomy

For stimulation of motor nerves

WR Medical Electronics Co.

Silverstein™

ACCESSORIES

The **Cheek Muscle Sensor** attaches easily to the patients mouth, and detects movements caused by nerve activity, indicated by an audible sound. No false positives, no interpretation of inapplicable noises.

The **Remote Probe** is re-usable, and features buttons on the hand-piece, allowing the surgeon to control precise current output.

The **Monopolar Disposable Probe** is an excellent option for busy ORs with limited time to sterilize instruments between cases.

The **SACS Kit** (Silverstein Adaptor for Continuous Stimulation) allows microsurgical tools and pneumatic drills to be electrified with continuous stimulation, eliminating the need for a separate probe. A great nerve locating tool that lessens surgical time.

Simple to Use

Practical

Non-invasive monitoring

Low cost per case

Rapid Set-up

TECHNICAL SPECIFICATIONS

- **Current output:** 0.0 to 10.0 milliamperes (mA) measured across a 1K + 1% resistive load. Tolerance at 0.0 indicated, with a residual current of 0.05 mA, is +0.005A. Tolerance at 10 mA is +0.4 mA
- **Pulse width:** 0.0002 seconds ±20 microseconds
- **Pulse time off:** 0.1998 seconds
- **Pulse frequency:** 0.200 seconds ±5 milliseconds
- **Hertz:** 5
- **Dial accuracy:** Linear down to 0.15 mA, residual current of 0.05 at 0.0 indicated.
- **Batteries:** NiCad rechargeable
- **Battery life:** 15 hours continuous use between charges.
- **Size:** 10 x 10.25 x 5.5 inches (25.4 x 26.04 x 13.97 cm)
- **Weight:** 6.1 lbs (2.76 kg)

QUALITY AND SAFETY

ISO 9001:2000
ISO 13485:2003

For more information on this product, please contact:

WR Medical Electronics Co.
123 North 2nd Street
Stillwater, MN 55082

www.wrmed.com
Call: 800.635.1312
Fax: 800.990.9733

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