Checkpoint Surgical®

Wherever Motor Nerves are at Risk

FACE | NECK | ELBOW | HIP | HAND | KNEE | FOOT & ANKLE

Checkpoint® Stimulator/Locator

Selective Amplitude Switch (0.5mA, 2mA, 20mA)
Adjust threshold stimulus desired for precise, highly localized individual nerve stimulation to wide and deep generalized nerve activation

Pulse Width Slide Control
Continuously variable intensity at each amplitude to fine-tune stimulus parameters

Biphasic Waveform
Generation of biphasic waveform for safe and continuous nerve activation for as long as the stimulation probe is applied

Built-in Power Supply
Self-contained batteries eliminate the need for external electrical connection; no cables in the sterile field

360° LED Indicator Light
Provides continuous visual confirmation that stimulus is being delivered

Advanced Electronic Circuitry
Performs continuous circuit and software checks ensuring reliable stimulus parameters are delivered and maintained

Videos and Other Information

For additional information and surgical videos visit checkpointsurgical.com.

To schedule a trial or to place an order, contact Checkpoint Surgical:
Toll-free: 877.478.9106 Fax: 216.378.9116
Local: 216.378.9107 Email: info@checkpointsurgical.com

Product #9094 | Sold in a box of 4 | RX Only
The Checkpoint Stimulator is a single-use, sterile device intended to provide electrical stimulation of exposed motor nerves or muscle tissue to locate and identify nerves and to test nerve and muscle excitability. Do not use this Stimulator when paralyzing anesthetic agents are in effect, as an absent or inconsistent response to stimulation may result in inaccurate assessment of nerve and muscle function. For a complete list of warnings and precautions regarding the use of the Stimulator please see www.checkpointsurgical.com

CS-9094-MKT-170-A

Protect

Mapping

Checkpoint allows you to identify nerves through dense tissue

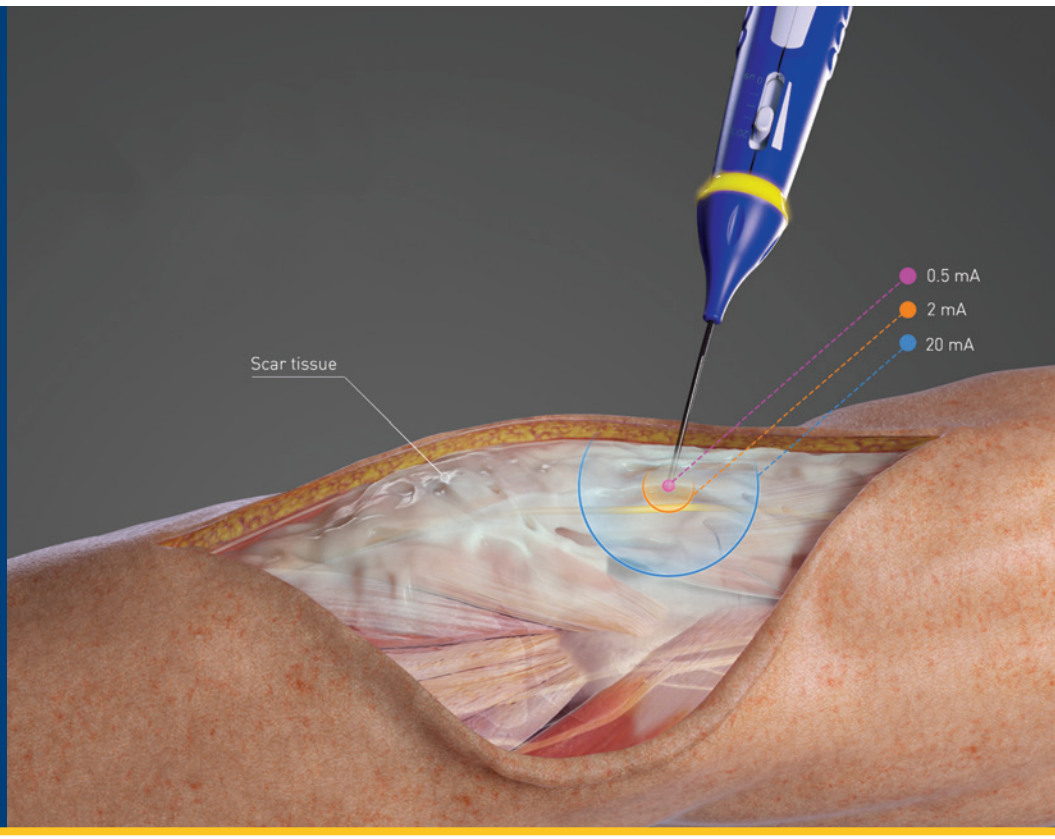


Illustration of increasing area of effect, through surrounding tissues, based on stimulation amplitude setting.

Revision Elbow Surgery

Scan QR code to view clinical benefits of Checkpoint for localizing nerve in complicated revision surgery.

Reliably locate nerves in altered anatomy or any time nerves are at risk

- Map location of nerve through tissue
- Localize nerve tissue obscured by scarring, tumor and bone
- Biphasic stimulation allows user to safely stimulate nerve repeatedly and continuously without diminished response

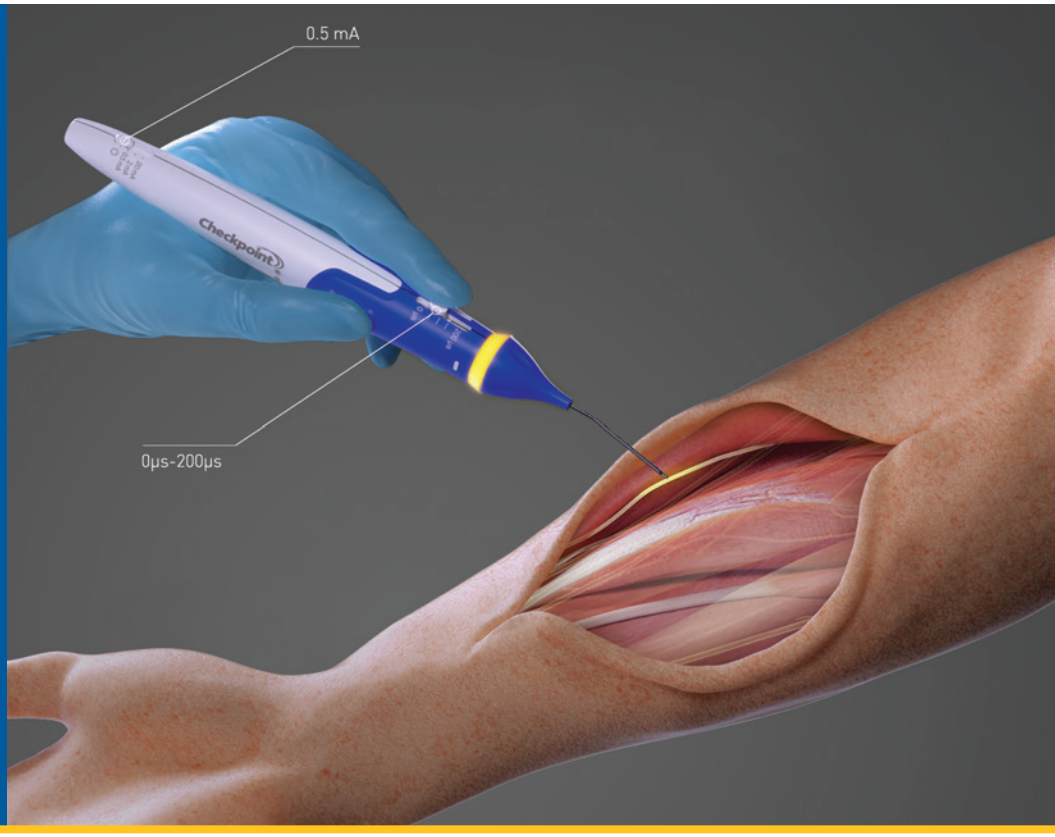
"Top Five Rules to Avoid Neurovascular Injury During Total Shoulder Arthroplasty"

Evan Flatow, MD, and Victor Olujimi, MD Leni & Peter W. May Department of Orthopaedic Surgery, Icahn School of Medicine at Mt. Sinai, NYC, NY Seminars in Arthroplasty, March 2017. Volume 28, Issue 1, Pages 2-4

Assess

Threshold Testing

Identify the lowest amplitude and lowest pulse duration required to evoke a motor response to assess nerve and muscle excitability



Femoral Nerve Neurolysis

Scan the QR code to watch threshold testing in a femoral nerve exploration procedure

Evaluate nerve and muscle function for surgical decision-making

- Determine stimulation threshold for motor response
- Test for changes in nerve function throughout the procedures
- Evaluate for over-tensioning of nerve tissue
- Stimulate muscle to evaluate excursion in tendon and free muscle transfers

Intraoperative Nerve Monitoring With a Handheld Intraoperative Biphasic Stimulator: Evaluation of Use During the Latarjet Procedure.

Rimmke, Nathan A. MD; Jones, Grant L. MD; Bishop, Julie Y. MD Techniques in Orthopedics: June 2018 – Volume 33 – Issue 2 – p e5-e8

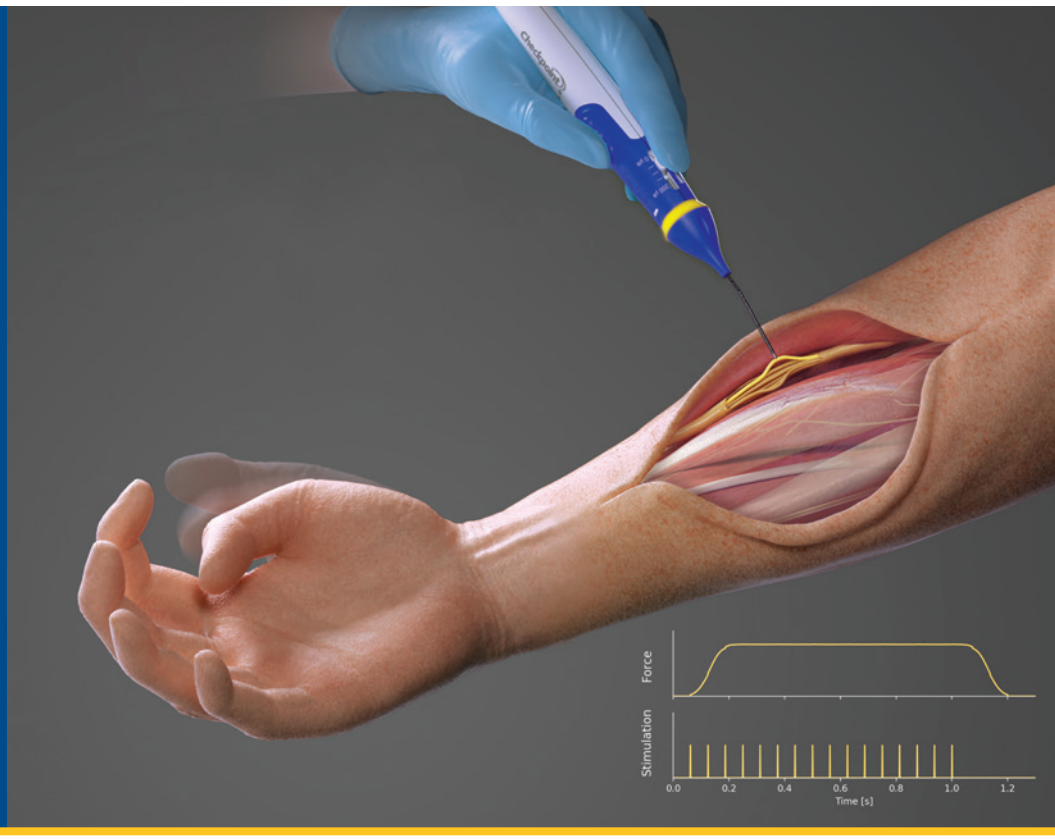
Intra-Operative Sciatic Nerve Assessment in Complex Total Hip Arthroplasty Using a Handheld Nerve Stimulator: A Case Series

Shai S Shemesh, MD, Samuel Overly, MD, Jonathan Robinson, MD, Catlin S. Mouchas, MD, Darwin Chen, MD Hip Int. 2018 Mar;28(2):210-217. doi: 10.5301/hipint.5000553. Epub 2017 Sep 10.

Confirm

Tetanic Contraction

Producing a tetanic contraction can provide a more definitive response than a brief muscle twitch, especially important in nerve transfer decision-making



Oberlin Transfer

Scan the QR code to watch Checkpoint elicit a full, fused muscle contraction during an Oberlin nerve transfer.

Confidently identify motor nerves during surgical exposure

- Confirm whether a tissue structure is or is not a nerve
- Definitive confirmation with tetanic contraction
- Identify individual fascicle groups within a nerve

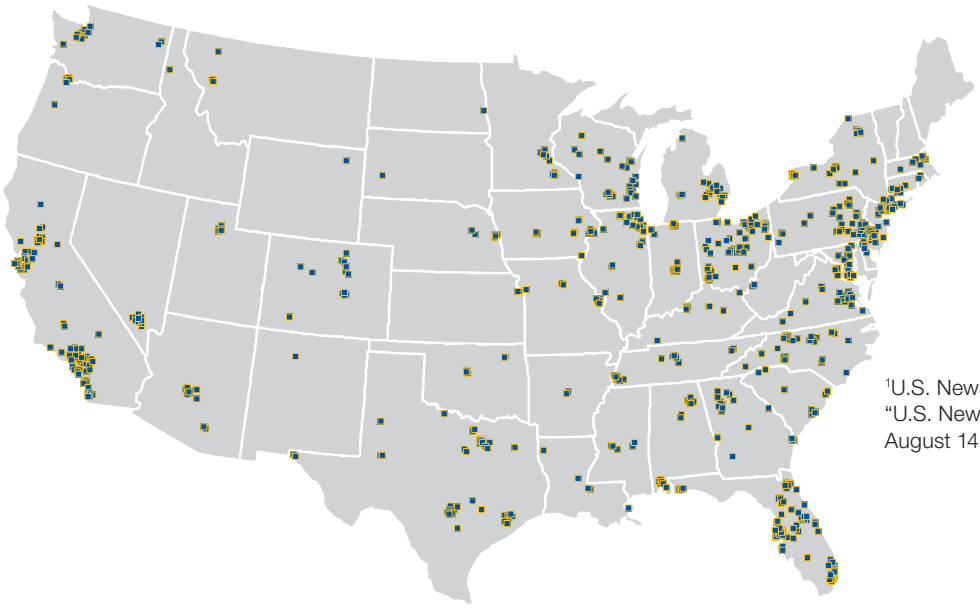
"Empowering the Surgeon – New neuroprotective and neuroreconstructive techniques"

Michael R. Hausman, MD, Lippmann Professor of Orthopedic Surgery, Vice-Chairman, Department of Orthopedic Surgery, Chief, Hand and Elbow Surgery, Mount Sinai Medical Center

"Nerve Repair Manual – A practical approach to injury and repair in the brachial plexus and upper extremity"

Scott H. Kozin, MD, Chief of Staff, Shriners Hospital for Children – Philadelphia; Team Leader, Touching Hands Project, American Society for Surgery of the Hand

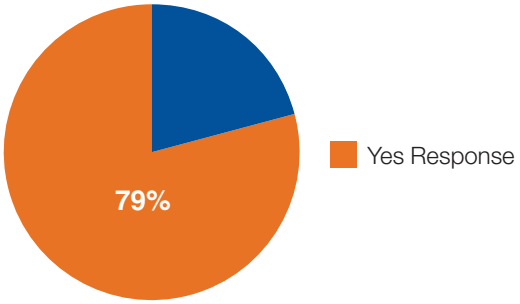
Over 400 (and 19 of top 20[1])
U.S. hospitals trust Checkpoint



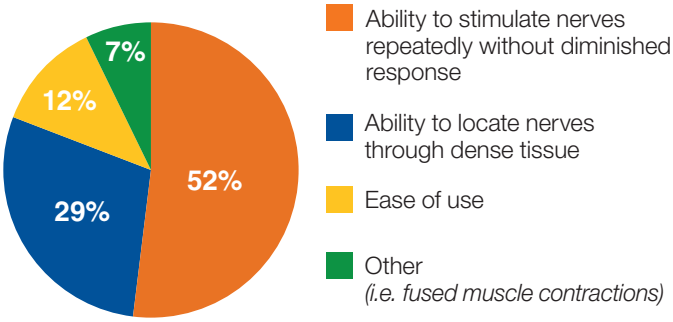
[1]U.S. News & World Report
"U.S. News Announces 2018-19 Best Hospitals"
August 14, 2018

Why do they trust Checkpoint?*

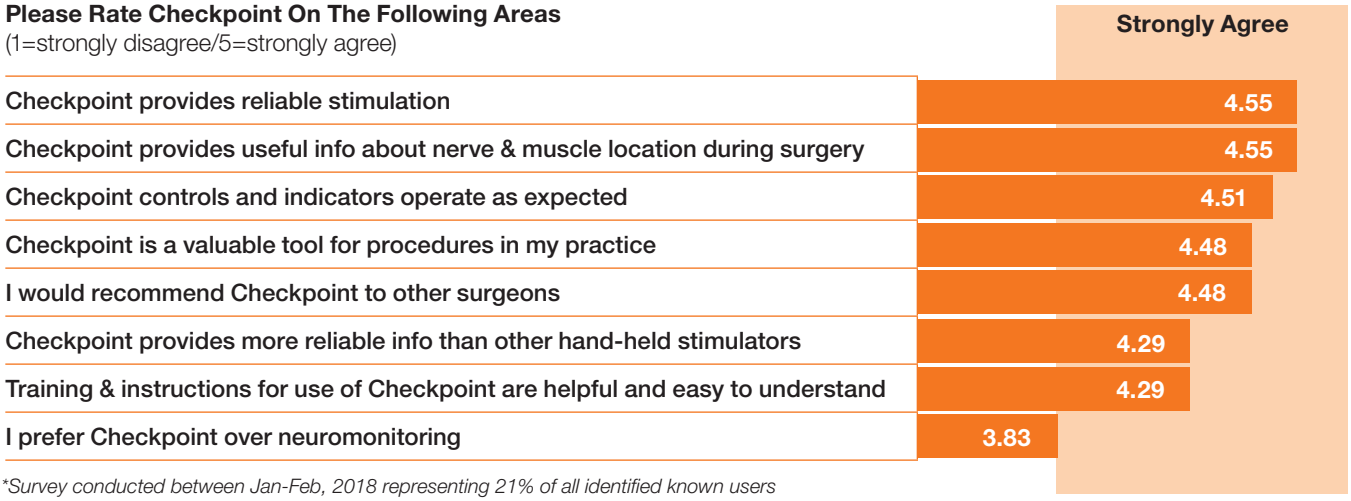
Has Checkpoint Served A Role In Helping You Prevent Iatrogenic Nerve Injury?



What Is The Most Valuable Aspect of Checkpoint



Please Rate Checkpoint On The Following Areas
(1=strongly disagree/5=strongly agree)



*Survey conducted between Jan-Feb, 2018 representing 21% of all identified known users