

A stylized illustration of a human figure from the back, showing a complex network of nerves in blue and yellow. The head and neck area is highlighted with a yellow glow, indicating the focus of the document. The figure is positioned on the left side of the page, with the head turned slightly to the right.

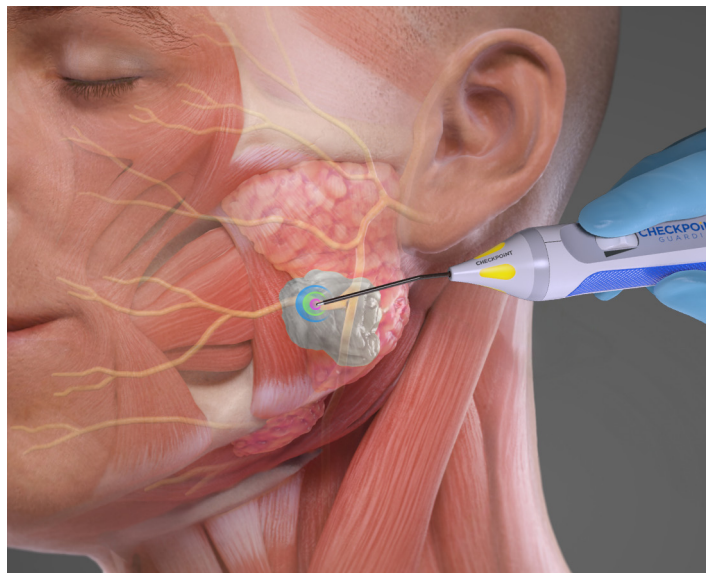
# CHECKPOINT GUARDIAN<sup>®</sup>

Applications in Head & Neck

# PAROTIDECTOMY

## Reliably locate nerves in altered anatomy when motor nerves are at risk

- Locate motor nerves through tissue to facilitate dissection
- Biphasic stimulation allows the surgeon to safely stimulate the nerve repeatedly and continuously without diminished motor response



*"There is potential for wide application of the CHECKPOINT GUARDIAN® in head and neck surgery, especially in cases where the nerve is encased in scar tissue or involved in the tumor. In addition to its reliability, I particularly appreciate the ease of use of the device and its ability to penetrate dense tissue."*<sup>1</sup>

- Babak Larian, MD, Los Angeles, CA

# THYROIDECTOMY

## Reliably locate nerves in altered anatomy any time motor nerves are at risk

- Safe and reliable nerve stimulation
- Provides a robust muscle response, increasing ease of palpation
- Biphasic stimulation allows for repeated nerve stimulation without diminished response



*"I've used Checkpoint in well over 400 cases. Over the last two or three years I've expanded my use of Checkpoint to any case in which nerves are at risk, including all of my thyroidectomy surgeries."*<sup>2</sup>

-Raymond Chai, MD, New York, NY

## NECK DISECTION

### Confidently identify motor nerves during surgical exposure

- Locate motor nerves through fibrotic tissue and tumor to facilitate dissection in complicated revision cases.
- Definitive confirmation of a motor nerve
- Confirm motor nerve response with a tetanic contraction



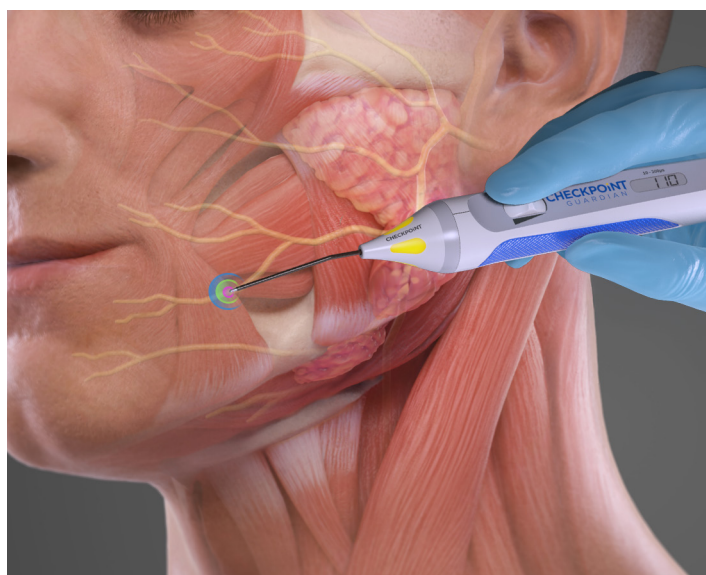
*"Checkpoint Stimulation effectively penetrates surrounding soft tissue allowing verification of nerves before they can be visualized, thus facilitating neck dissection."*<sup>3</sup>

- Salvator Caruana, MD

## FACIAL REANIMATION

### Precise nerve evaluation for informed surgical decision-making

- Provides reliable, precise nerve assessment to determine nerve viability or candidates for nerve transfer
- Direct muscle stimulation provides proportional muscle contraction for free muscle transfer to evaluate vector of pull



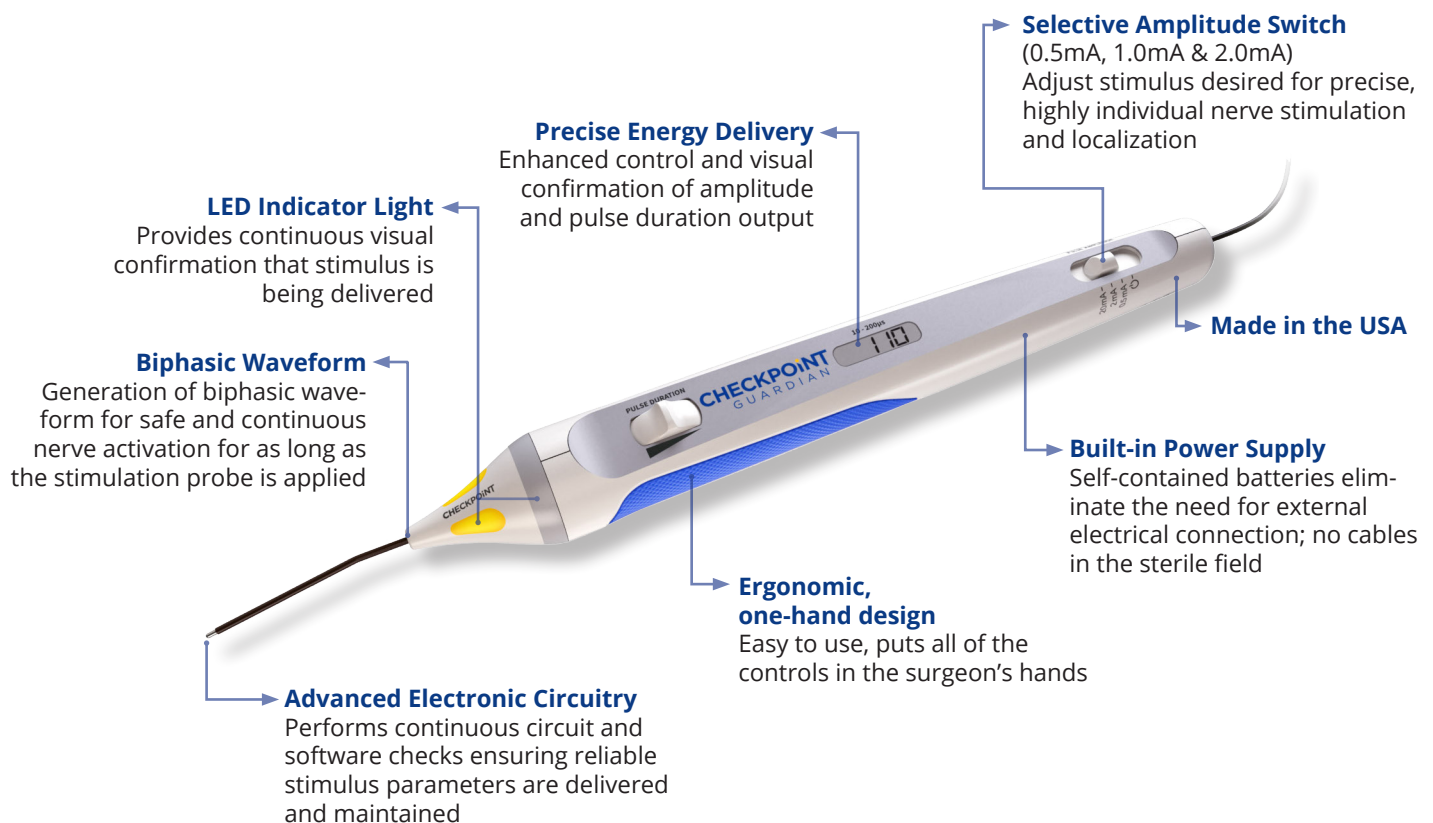
<sup>1</sup> Source: "USE OF THE CHECKPOINT STIMULATOR IN REVISION PAROTIDECTOMY", White Paper, Checkpoint Surgical, January 2014  
Babak Larian, MD, FACS, is Chief of Otolaryngology, Head & Neck Surgery at a leading academic teaching hospital in Los Angeles, California

<sup>2</sup> Source: COSM 2018 - Company Sponsored Presentation April, 2018  
Raymond Chai, MD, is the Assistant Professor of Otolaryngology at a leading academic teaching hospital in New York City and is the Director of Head and Neck Robotic Surgery.

<sup>3</sup> Source: COSM 2018 - Company Sponsored Presentation April, 2018  
Salvatore Caruana, MD, is the Director of the Division of Head and Neck Surgery in the Department of Otolaryngology-Head and Neck Surgery at a leading academic hospital in New York City.



# CHECKPOINT GUARDIAN®



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Fax: 216.378.9116

Email: [info@checkpointsurgical.com](mailto:info@checkpointsurgical.com)



## **Product #9095 | 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](http://www.checkpointsurgical.com).