

## Clinical application

### Vocal cord nerve monitoring

● IONM "Four-step method":

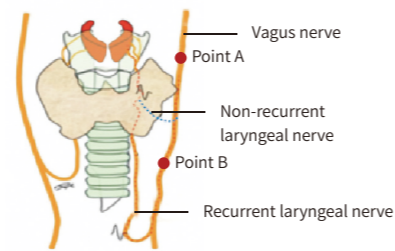
Before performing surgery in the thyroid area, stimulate the ipsilateral vagus nerve to evaluate the patient's neurological function and identify any underlying nerve issues

Upon exposing the recurrent laryngeal nerve, stimulate it in order to identify its position and check for any anatomical variations

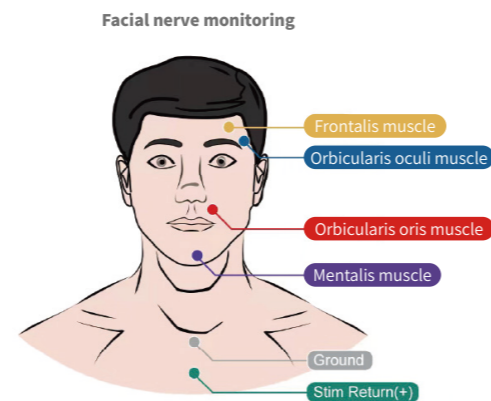
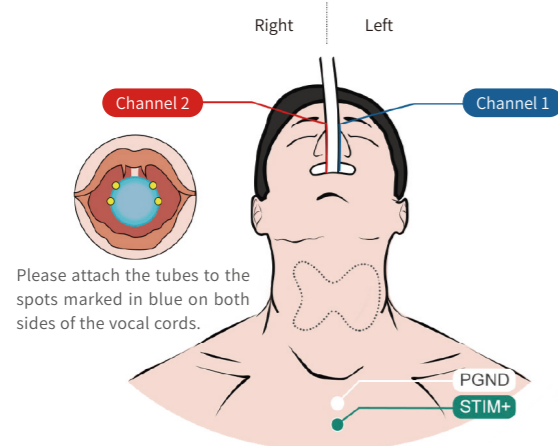
After complete dissection, stimulate the recurrent laryngeal nerve to confirm its normal function

Upon the surgical field being completely blood-free, stimulate the ipsilateral vagus nerve to verify nerve function stability and rule out neurological complications post-surgery

A  
B  
B  
A



# Smart IONM System



For more, please contact us:

**Diagnostic:** EEG, EMG

**Surgical monitoring:** Cynapse IONM, Smart IONM

**Rehabilitation:** Biofeedback system, Micro-current stimulator, Surface EMG system

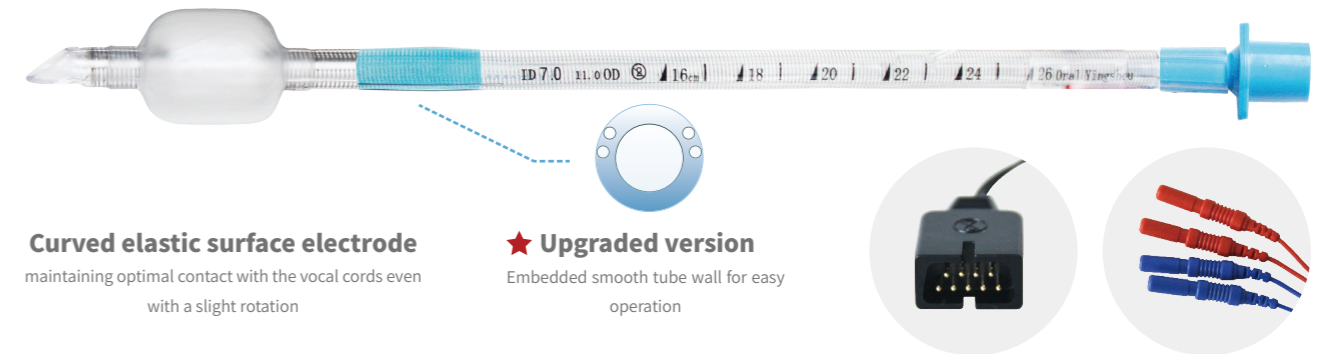


## Special consumables

Surgeries	Main Function
Thyroid, parathyroid, and other neck surgeries	Monitoring the integrity of the recurrent laryngeal nerve, vagus nerve, accessory nerve, and superior laryngeal nerve
Facial surgeries such as parotid gland and ear procedures, acoustic neuroma resection, and facial spasm decompression surgery, etc	Monitoring the integrity of the facial nerve function
Selective dorsal rhizotomy, spinal cord decompression surgery, etc	Assisted monitoring of motor nerve roots and spinal motor conduction tracts

### EMG endotracheal tube

- The new EMG endotracheal tube design with a smooth wall, reducing the risk of vocal cord damage similar to non-monitoring tubes
- The arc-shaped electrode design providing the best contact during data collection



### Curved elastic surface electrode

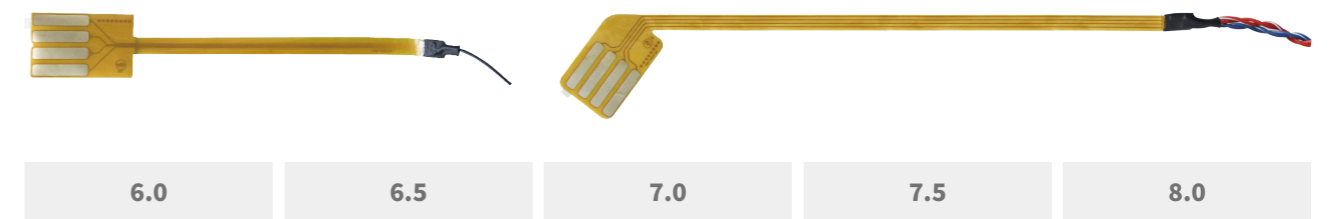
maintaining optimal contact with the vocal cords even with a slight rotation

### ★ Upgraded version

Embedded smooth tube wall for easy operation

### Adhesive laryngeal electrode

- Up to 4 channels
- Only 0.08mm electrode thickness
- Less space, better connection with full covered vocal cords
- ENIG technology ensures strong electrical conductivity, good oxidation resistance, and long service life



Five different sizes available for selection to suit for different body sizes

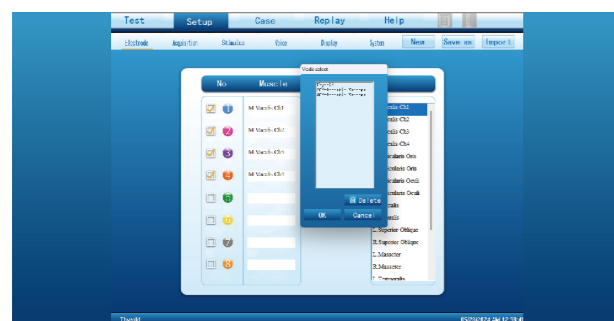
## Product features



▲ Professional intraoperative neuromonitoring



▲ Portable design, multiple channels for free selection



▲ Template design for instant use, with user-friendly operation



▲ Furnished with various alert tones providing instantaneous feedback

### Disposable stimulation probe-Bipolar

- During surgery, stimulating nerves to diagnose and monitor nerve function
- Precise control of stimulation range, reducing current diffusion, and efficiently eliciting nerve impulses



STERILE EO

STERILE R