Introducing the NeurOptics® Smart Approach to Pupillary Evaluation
A completely automated system from patient admission to discharge

1. Scan patient ID into SmartGuard® data storage device
2. Measure patient’s pupils per standard protocol/guidelines
3. Trend pupil size and reactivity for changes
4. Upload patient data into EMR system

An accurate, reliable and objective system that saves valuable nursing time and eliminates potential charting errors
**NPI®-200 Pupillometer System**

**NPI®-200 Pupillometer**
- Completely accurate, reliable and objective pupil size and reactivity data independent of examiner
- Pupil reactivity expressed numerically so that now changes in both pupil size and reactivity can be trended over time, just like other vital signs
- Infrared camera, high-precision optics, processor and LED light source
- Bluetooth®-enabled, customizable trending screen, EMR-compatible
- Durable, ergonomic design
- Industry-best full two-year replacement warranty

**SmartGuard®**
- Single-patient-use device with smart-card technology
- All patient data stored on SmartGuard memory
- Facilitates patient data upload into EMR system
- Patient data can be disabled in compliance with HIPAA guidelines and facility policies

**Barcode Scanner by Socket®**
- Simple and fast patient ID scans into SmartGuard
- One-time patient ID entry at initial programming of SmartGuard (no need to scan before each pupil measurement)

**SmartGuard® Reader**
- Retrieves and automatically uploads patient data from SmartGuard
- Simple USB connection allows Reader to be deployed at any nursing terminal or station

**NPi®-200 Pupillometer System**
Establish a Baseline and Trend for Changes

- Pupil reactivity expressed numerically
- Now changes in both pupil size and reactivity can be trended over time, like other vital signs
- Along with trending size and NPi®, the NPi®-200 can be customized to trend all parameters of the pupillary light reflex waveform, depending on clinician preference

**Pupil Size and Reactivity Variability Over Time**

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**The Neurological Pupil index™ (NPi®)**

**Pupil Reactivity Assessment Scale**

<table>
<thead>
<tr>
<th>Measured Value*</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 – 4.9</td>
<td>Normal/“Brisk”</td>
</tr>
<tr>
<td>&lt; 3.0</td>
<td>Abnormal/“Sluggish”</td>
</tr>
<tr>
<td>0</td>
<td>Non-Reactive, Immeasurable, or Atypical Response</td>
</tr>
</tbody>
</table>

*A difference in NPi between right and left pupils of ≥ 0.7 can also be considered an abnormal pupil reading

*Per the Neurological Pupil index (NPi) algorithm

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