

Fast, Accurate, Easy

Quickly diagnose and treat Chronic Pain Patients who Present with:

- **CRPS** (complex regional pain syndrome),
- **Neuropathy**
- **Chronic Opioids**
- **Possible Malingers**

LifeGuard Scan™ is a fast, accurate quantitative test that may be used to evaluate neuropathies, manage pharmacological treatments and help identify possible malingers

Why clinicians choose LifeGuard™ Scan:

• Fast

Rapid results in 10 minutes for efficient patient care.

• Straightforward

Easy to learn and operate. Automated Voice Commands. Multiple Language Options. Reports Print Immediately after test.

• Accurate

Based on established and validated standards and mathematical procedures set forth by the Heart Rhythm Society (previously known as North American Society of Pacing and Electrophysiology) and ANS technology

• Quantitative

Reports Beat - to - Beat, Sympathetic/ Parasympathetic Response. If the sympathetic nerves respond to stress then pain is a stressor. Comparison of previous tests indicate a change in pain levels. Also, abnormal parasympathetic activity can inflate the sympathetic level and increase the perception of pain.

• Efficient

Compact, portable design allows testing in every exam room.



Optional Medical Cart

Call Today
LEAR Medical

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954-748-2800

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Clinical Benefits

LifeGuard Scan™
550 MEANINGFUL HEALTH MARKERS.
FOR THE CLINICAL TREATMENT OF PAIN IN HOME & HOSPITALS.

Impact patient management by detecting, confirming and monitoring

- CRPS (complex regional pain syndrome),
- Neuropathy
- Chronic Opioids
- Possible Malingers

Detect

Even in the absence of symptoms and signs

Distinguish

Distinguish three different types of pain

1. Normal Pain
2. Psychosomatic
3. CRPS

Quantify

Measures the parasympathetic and sympathetic at rest and in response to stress (Valsalva). If the sympathetic nerves respond to stress then the pain is a stressor. Comparison of previous tests indicate a change in pain levels. Abnormal parasympathetic activity can inflate the sympathetic levels and increase the perception of pain.

Confirm

Help confirm or rule-out and quantify severity
Monitor changes over time and in response to treatment

Titrate Medicine

- a. If sympathetics are high - increase pain medication
- b. If sympathetics are normal - do not give more medication and question addiction
- c. If sympathetics are low - decrease medication

Document Rehabilitation Efficacy

If greater balance is noted between the nerve branches than noted on previous test, then the modality is working. If balance is the same or decreased, reconsider that approach.



Tousignant-Laflamme Y, Rainville P, and Marchand S. Establishing a Link Between Heart Rate and Pain in Healthy Subjects: A Gender Effect. The Journal of Pain, 6(6), 2005 (June): pp 341-347
Sandroni P. Testing the Autonomic Nervous System. International Association for the Study of Pain Technical Corner from IASP Newsletter November/December 1998.
Drummond PD. Involvement of the Sympathetic Nervous System in Complex Regional Pain Syndrome. Lower Extremity Wounds 3(1); 2004 pp of. 135-42.



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