

Novel device for prognosing small fiber neuropathy



- New Contact Cool/Heat Evoked Potential Stimulator
- No risk for the patient
- Highest-accuracy
- Small device

KEYWORDS

*Small fibers
CHEPS
Pain perception
Prototype*

PATENTS

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INVENTOR

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TECHNOLOGY

- Advanced thermal stimulator for pain evoked-potential
- Allows objective response to pain perception by investigating human thermal and nociceptive pathways (A δ fibers)
- Extremely rapid cooling rate of 300°C/sec
- Rapid heating rate of 150°C/sec
- Short pulse of heat <100 ms

APPLICATION

- Objective measurement of pain perception
- Exploration of pain response to medications and treatments
- Useful for monitoring pain in clinical trials
- May be suitable for use on animals

INNOVATION ADVANTAGES

- Ultrafast cool/heat stimulation allows highest-accuracy
- No risk of burns
- Quick setup and system initialization
- Ultraportable

DEVELOPMENT STATUS

- Prototype available
- Currently used in research

Partnership : seeking partner for licensing

