

Higher pain expression tied to pronociceptive state

August 11 2017



(HealthDay)—Sensory over-responsiveness (SOR) in otherwise healthy



subjects is associated with a pro-nociceptive state, according to a study published online Aug. 7 in *PAIN Practice*.

Irit Weissman-Fogel, Ph.D., from the University of Haifa in Israel, and colleagues conducted psychophysical testing in 30 healthy subjects (14 SOR and 16 non-SOR participants, based on the Sensory Responsiveness Questionnaire). Testing evaluated (1) hyperalgesic responses; (2) adaptation and sensitization to 14 phasic heat stimuli; (3) habituation; (4) six minutes after-sensation; and (5) conditioned pain modulation (i.e., phasic heat stimuli applied with and without hand immersion in hot water).

The researchers found that, compared to non-SOR individuals, the SOR group had a steeper escalation in numerical pain scale ratings to temperature increase (P = 0.003) indicating hyperalgesia, increased sensitization (P \leq 0.001), habituation responses (P

"This is the first study to report a coupling between the general SOR to daily innocuous <u>stimuli</u> and enhanced <u>pain</u> facilitation rather than deficient inhibition," the authors write.

More information: Abstract

Full Text (subscription or payment may be required)

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Citation: Higher pain expression tied to pro-nociceptive state (2017, August 11) retrieved 7 May 2024 from <u>https://medicalxpress.com/news/2017-08-higher-pain-tied-pro-nociceptive-state.html</u>

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