

# Higher pain expression tied to pro-nociceptive state

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"This is the first study to report a coupling between the general SOR to daily innocuous [stimuli](#) and enhanced [pain](#) facilitation rather than deficient inhibition," the authors write.

**More information:** [Abstract](#)  
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(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 ( $P ? 0.001$ ), habituation responses ( $P$

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