

# Oxytocin ups feeding, social skills in infants with prader-willi

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(HealthDay)—For infants with Prader-Willi syndrome (PWS), oxytocin

(OXT) administration is associated with improvement in feeding and social skills, according to a study published online Jan. 18 in *Pediatrics*.

Maïthé Tauber, M.D., from the Hôpital des Enfants in Toulouse, France, and colleagues conducted a phase 2 dose escalating study of a seven-day course of intranasal OXT [administration](#) in 18 infants with PWS under 6 months old. Infants received 4 IU of OXT every other day, daily, or twice daily.

The researchers found that there were no reports of adverse events, and no dose effect. At baseline, all infants had abnormal sucking, as measured by the Neonatal Oral-Motor Scale; sucking was normalized in 88 percent after treatment. There were significant decreases in the scores of Neonatal Oral-Motor Scale, from 16 to 9 (P functional magnetic resonance imaging, which was associated with sucking and behavior changes.

"OXT is well tolerated in [infants](#) with PWS and improves feeding and [social skills](#)," the authors write. "These results open perspectives for early treatment in neurodevelopment diseases with feeding problems."

Two authors obtained a patent based on the results of their studies regarding administration of oxytocin in *Magel2* KO mouse and adults with Prader-Willi syndrome.

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