

Hypoxia challenge test can ID fitness to fly in neonates

February 16 2016



(HealthDay)—Many infants with bronchopulmonary dysplasia (BPD)

fail hypoxia challenge testing (HCT) and cannot be deemed fit to fly, according to a study published online Feb. 15 in *Pediatrics*.

Susanne Vetter-Laracy, Ph.D., M.D., from the University Hospital Son Espases in Palma de Mallorca, Spain, and colleagues determined the earliest fit-to-fly age by testing neonates younger than 1 week in an observational study. The study included three groups: healthy term infants aged ≤ 7 days (24 infants); preterm infants (≥ 34 weeks corrected [gestational age](#) [CGA]; 62 infants) two to three days before discharge; and preterm infants with [bronchopulmonary dysplasia](#) (BPD; 23 infants). A body plethysmograph with a 15 percent fraction of inspired oxygen was used to conduct HCT.

The researchers found that one term infant (4.2 percent), 12 preterm infants without BPD (19.4 percent), and 16 preterm infants with BPD (69.3 percent) failed HCT ($P < 0.001$), with a median decrease in oxygen saturation of 16 percent (test fail point was

Citation: Hypoxia challenge test can ID fitness to fly in neonates (2016, February 16) retrieved 3 May 2024 from <https://medicalxpress.com/news/2016-02-hypoxia-id-neonates.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.
