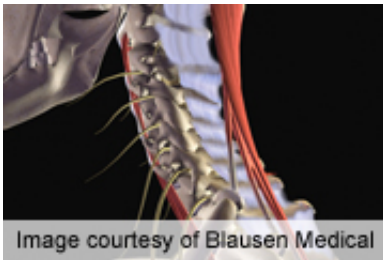


# Cognitive, physical impairment mar driving in chronic whiplash

August 26 2013

---



Cognitive and physical impairments have an independent effect on self-reported driving difficulty in individuals with chronic whiplash-associated disorder, according to a study published in the Aug. 15 issue of *Spine*.

(HealthDay)—Cognitive and physical impairments have an independent effect on self-reported driving difficulty in individuals with chronic whiplash-associated disorder, according to a study published in the Aug. 15 issue of *Spine*.

Hiroshi Takasaki, from the University of Queensland in Brisbane, Australia, and colleagues conducted a cross-sectional study to examine the physical, cognitive, and psychological domains contributing to self-reported driving difficulties in 40 individuals with chronic whiplash-associated disorders. The contribution of independent variables (physical, cognitive, and psychological domains) was assessed for each of the three driving [task performance](#) levels (strategic, tactical, and operational levels of the Neck Pain Driving Index). The models were

adjusted for neck pain, dizziness, and relevant demographics.

The researchers found that, in the strategic and tactical levels, symptom duration related to driving difficulty. The cognitive domain had an independent contribution to difficulties in driving tasks at the strategic and operational levels. The physical domain had an independent contribution to driving tasks at the tactical level.

"Physical and cognitive impairments independently contributed to self-reported driving difficulty in chronic whiplash-associated disorder beyond [neck pain](#), dizziness, and symptom duration," the authors write.

**More information:** [Abstract](#)  
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2013 [HealthDay](#). All rights reserved.

Citation: Cognitive, physical impairment mar driving in chronic whiplash (2013, August 26)  
retrieved 2 May 2024 from  
<https://medicalxpress.com/news/2013-08-cognitive-physical-impairment-mar-chronic.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.
---