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### The effectiveness of a dementia and driving education module on practitioner knowledge, confidence and competence: a pilot study

H.C. Chang

*University of Wollongong, hchang@uow.edu.au*

Victoria Traynor

*University of Wollongong, vtraynor@uow.edu.au*

Nadine S. Veerhuis

*University of Wollongong, nadinev@uow.edu.au*

Mu-Hsing Ho

*University of Wollongong, mhh838@uowmail.edu.au*

Li-Yu Tang

*Taiwan Alzheimer Disease Association*

*See next page for additional authors*

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# The effectiveness of a dementia and driving education module on practitioner knowledge, confidence and competence: a pilot study

## Abstract

Abstract presented at the 11th International Association of Gerontology and Geriatrics Asia/Oceania Regional Congress, 23-27 October 2019, Taipei, Taiwan

## Keywords

pilot, module, education, driving, practitioner, effectiveness, study, competence:, knowledge, dementia, confidence

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## Authors

H.C. Chang, Victoria Traynor, Nadine S. Veerhuis, Mu-Hsing Ho, Li-Yu Tang, Megan F. Liu, Hui-Wen Chien, and Yung-Jen Yang

# **The Effectiveness of a dementia and driving education module on practitioner knowledge, confidence and competence: a pilot study**

Hui Chen (Rita) Chang<sup>1</sup>, Victoria Traynor<sup>1</sup>, Nadine Veerhuis<sup>1</sup>  
Mu-Hsing Ho<sup>1</sup>, Li Yu Tang<sup>2</sup>, Megan. F. Liu<sup>3</sup>, Hui Wen Chien<sup>2</sup> and Yung-Jen Yang<sup>2</sup>

<sup>1</sup>University of Wollongong, Australia

<sup>2</sup>Taiwan Alzheimer's Disease Association, Taiwan

<sup>3</sup>Taipei Medical University

## **Background**

Dementia causes cognitive and memory difficulties which can reduce the driving safety of individuals. The decision making process for driving retirement is challenging and current resources provide only limited guidance. This study builds on the previous development of the Dementia and Driving Decision Aid (DDDA) booklet and translated into Mandarin version. DDDA promotes a common decision-making approach, by initiating dialogue to guide decision-making that promotes driving retirement, collaboration, and then placing the person central on decision-making. This study aimed to evaluate the effectiveness of the train-the-trainer workshops using dementia and driving education module to increase practitioner knowledge, confidence, competence and awareness of using DDDA in supporting decision making on driving.

## **Methods**

The pretest-posttest design was used for this study. Two train-the-trainer workshops were delivered using dementia and driving education module (2017 and 2018). Paired t test and Wilcoxon rank signed test were used to test the effectiveness of the train-the-trainer workshops.

## **Result**

A total of 82 and 25 participants in 2017 and 2018 respectively completed the survey. Most of participants were healthcare professionals (45.8%) and college or university educational level (59.8%). The Knowledge, confidence, competence and awareness of using DDDA to address dementia and driving issues were significantly increased ( $p < 0.001$ ) after the workshops.

## **Discussion**

The Taiwan Minister of Transportation and Communications launched a 75-year-old driver cognition test policy in 2017. In line with the government policy, this is a very appropriate time to implement the DDDA to assist the older adult in decision on driving. The Mandarin version of the DDDA will be implemented through NGOs and evaluate the culturally adaptable and acceptable to consumers and practitioners to support the complex decisions on when to retire from driving. The DDDA booklets are available through Aged and Dementia Health Education and Research (ADHERE) ([www.adhere.org.au](http://www.adhere.org.au)) and Taiwan Alzheimer's Disease Association.