

## 4<sup>th</sup> International Conference and Exhibition on **Neurology & Therapeutics**

July 27-29, 2015 Rome, Italy

### **An investigation for elderly drivers' experiences of driving accidents and penalties after cognitive perceptual assessment for driving**

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**Objective:** The present study was to investigate the actual experiences of driving accidents and penalties of the elderly drivers who took the CPAD (cognitive perceptual assessment for driving) test.

**Method:** We attained the data for 168 elderly drivers including their CPAD scores, and incidents of traffic accidents and fines from the Road Traffic Authority and National Police Agency.

**Result:** The mean age of the drivers was  $70.25 \pm 4.1$  and their mean CPAD scores was  $52.75 \pm 4.72$ . The drivers age was negatively related with CPAD score; that is, the older the driver, the lower the CPAD score ( $p < 0.001$ ), Gender difference was not shown in CPAD scores. The pass group of the test had experienced more traffic accidents (3.6%) compared to the group that did not pass the test (10.6%). However, incidence rates of traffic fines were not significantly different between the pass and non-pass groups.

**Conclusion:** We demonstrated that the CPAD was a good tool for evaluating elderly drivers safe driving capabilities and screening age-related cognitive and perceptual deficits related to driving.

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