

## **Abstract EFAS/DGA 2007**

### **The effect of age over the dichotic digit test**

Zenker Castro, F. (1), Mora Espino, R. (2), De Lucas Carmona, G. (1), Fernández Belda, R. (1), and Barajas, J.J. (3)

(1) Clínica Barajas

(2) Fundación Canaria Dr. Barajas para la prevención e investigación de la Sordera

(3) Universidad de La Laguna

The Central Auditory Processing mechanism of binaural integration can be assessed through behavioural non-invasive procedures such as the Dichotic Digit Test. This procedure consists of simultaneous presentation of digits to the two ears in a unpredictable presentation in groups of one, two and three pairs of items. The Dichotic Digit Test is commonly used in the diagnosis of Central Auditory Processing Disorders in the educational setting and in the clinical audiological practice. In the present study the effect of age, ear and difficulty were studied in a group of 127 participants aged from 6 to 72 years old. Results showed a Right Ear Advantage of scores obtained by the right ear in all subjects. As age and difficulty increase worse scores were obtained. The effect of age over the items recognitions were described by a curvilinear regression function. Normative values are obtained according to the age of the subjects who took part in the present study.

