

(20) The influence of linguistic and acoustic variables on sound naming

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Previous data suggested an impairment of abilities in picture and sound naming in normal ageing from 60 years-old (Ehrlé et al., 2008), with a more important decrease for probable Alzheimer's disease patients (Fabiani et al., 1996). The objectives of our study are (1) to improve knowledge on the decline in cognitive process during normal and pathological ageing (e.g. Alzheimer disease) and then, (2) to elaborate a naming battery including visual and auditory modalities. We elaborated a battery assessing sound naming of 117 environmental sounds divided into 5 categories: actions without object, animals, musical instruments, actions associated with an object, actions not associated with an object. Firstly, we characterised acoustic variables and studied their influence on sound naming in young adults (18-30, n=30). We also selected relevant sounds and collected lexical items associated with each sound. Secondly, we tested two groups of 15 participants (30-44 years-old ; 45-60 years-old) in order to determine the possible age influence on sound naming before 60 years-old. The

results will be presented during the conference. Later, we will test older adults and Alzheimer's disease patients in order to evaluate the age and the pathological state influence on sound naming.