

## Implications of Obstructive sleep apnea on cognitive evolution of Alzheimer's disease patients

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Figure E1. ADAS-cog evolution after 12 months of follow-up according to OSA severity (non-OSA, moderate and severe). ADAS-cog= Alzheimer’s Disease Assessment Scale-cognitive.

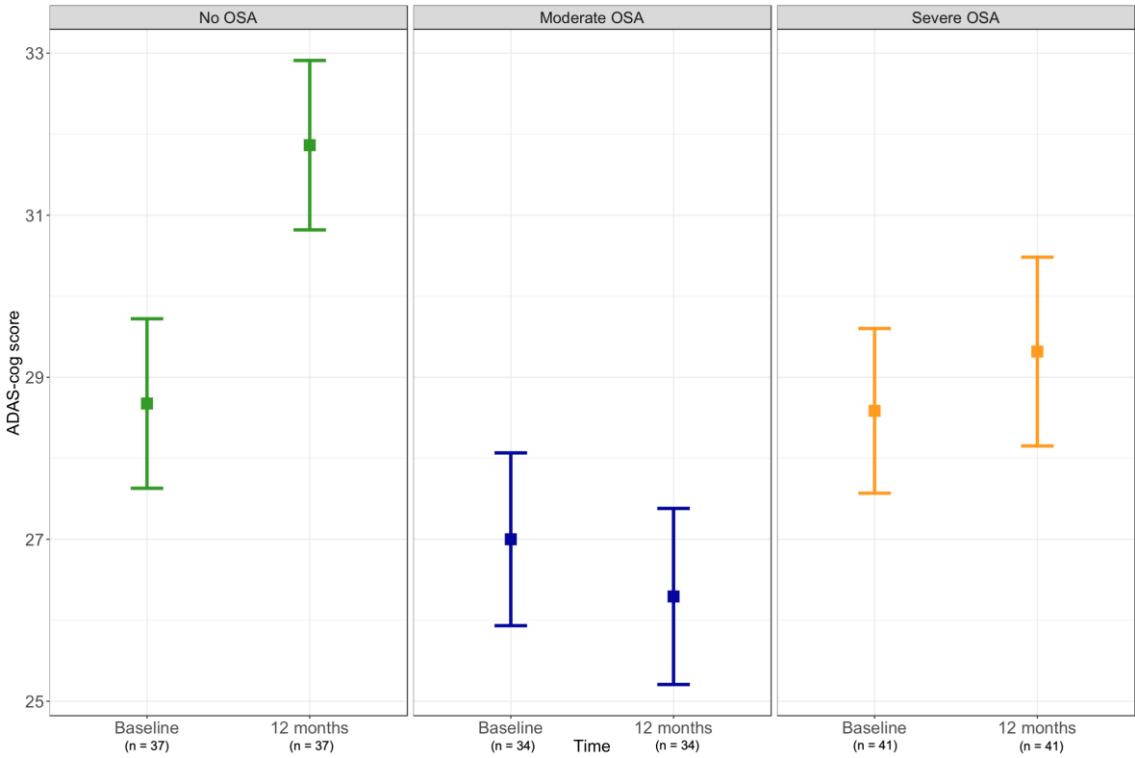


Figure E2. MMSE evolution after 36 months of follow-up according to OSA severity (non-OSA, moderate and severe). MMSE= Mini-Mental State Examination.

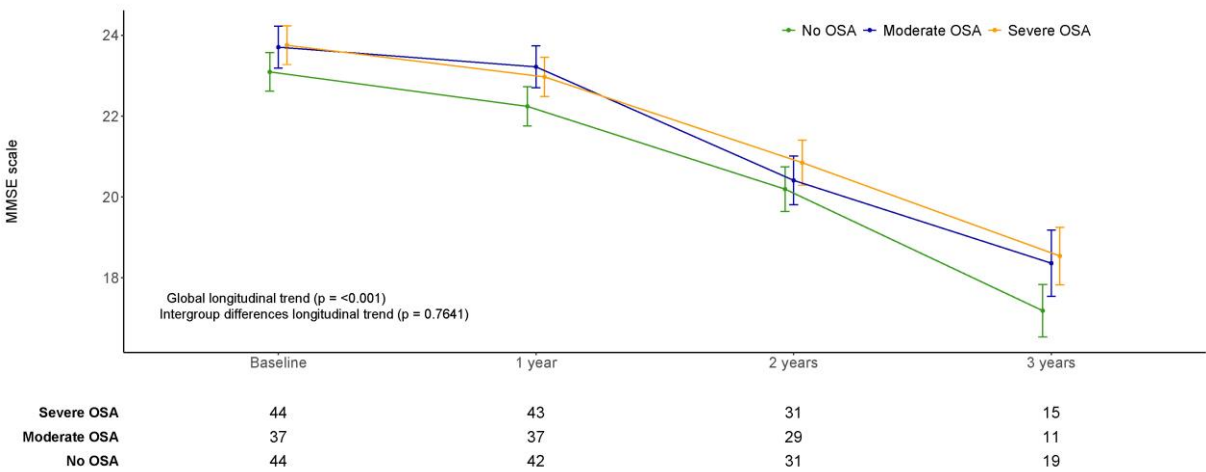


Figure E3. ADAS-cog evolution after 12 months of follow up in patients with  $A\beta_{42}$  in CSF  $\leq 600$  pg/ml according the presence of OSA. ADAS= Alzheimer's Disease Assessment Scale-cognitive.

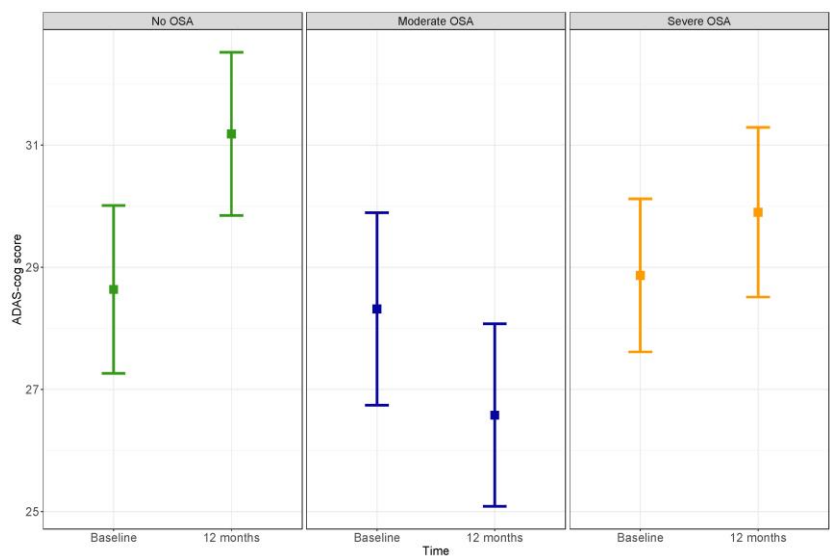


Figure E4. MMSE evolution after 12 months of follow up in patients with  $A\beta_{42}$  in CSF  $\leq 600$  pg/ml according the presence of OSA. MMSE= Mini-Mental State Examination.

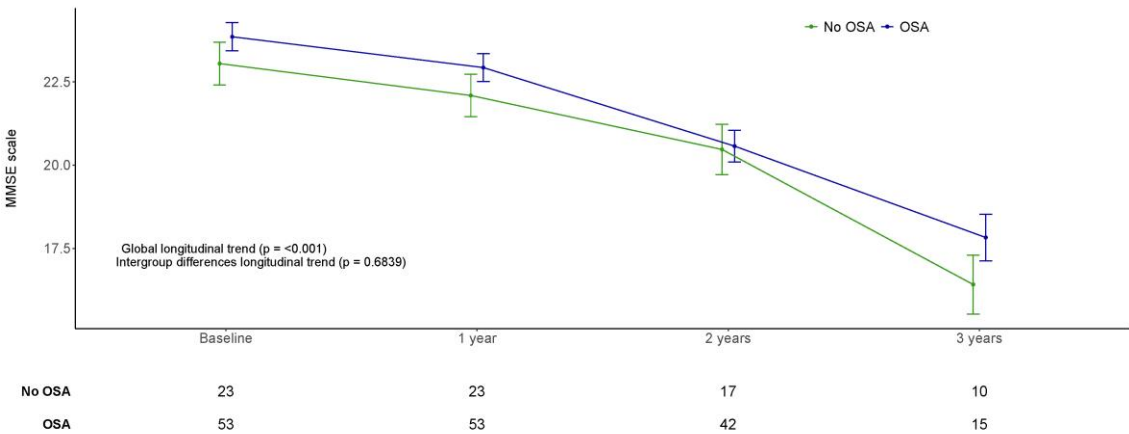


Figure E5. MMSE evolution according the status of T90% after 36 months of follow up. MMSE= Mini-Mental State Examination.

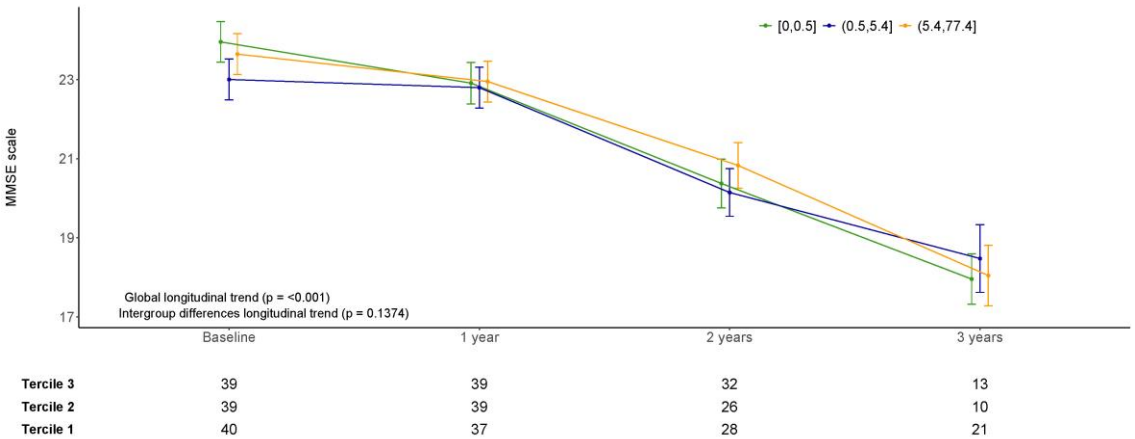


Figure E6. MMSE evolution according the status of arousal index after 36 months of follow up. MMSE= Mini-Mental State Examination.

