1. **Speaking in Alzheimer’s disease, is that an early sign? importance of changes in language abilities in Alzheimer’s disease**

* Page 2:
  + Spoken task; speech-based detection Might be a good method for detecting early AD
* Page 3:
  + The following aspects of spontaneous speech were included in the analysis: articulation rate, speech tempo, hesitation ratio, and grammatical error ratio. Results showed that articulation rate in mild and severe AD patients was significantly different from normal controls

1. **Automatic speech analysis for the assessment of patients with predementia and Alzheimer's disease**

**-**<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4876915/>