

# Speech, its impairment and cognitive performance in Parkinson's disease

<https://neurodegenerationresearch.eu/survey/speech-its-impairment-and-cognitive-performance-in-parkinsons-disease/>

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### Country

Czech Republic

## Title of project or programme

Speech, its impairment and cognitive performance in Parkinson's disease

## Source of funding information

Ministry of Health of the Czech Republic

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## Start date of award

01/04/2012

## Total duration of award in years

4

## Keywords

### Research Abstract

Hypokinetic dysarthria (HD) belongs to the most common early symptoms of PD, which are difficult to treat by antiparkinsonian medication and/or surgical treatment. Impaired ability of communication significantly reduces the quality of life of PD subjects. Although some other axial symptoms of PD (e.g. postural instability/gait difficulty) are predictors of the development of dementia in PD, the relationship between HD and cognitive impairment is not clear. The aims of the project are firstly to identify the specific disorders of speech which are characteristic of PD depending on various demographic and clinical variables and secondly to identify the relationship between specific parameters of HD and cognitive impairment. Partial aims are to

explore effects of PD treatment, its pathophysiological mechanisms, and the effect of rTMS on HD. The results will make the speech therapy in PD patients more efficient and may help to find suitable biomarkers for cognitive impairment and dementia in PD.

**Further information available at:**

**Types:**

Investments < €500k

**Member States:**

Czech Republic

**Diseases:**

N/A

**Years:**

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**Database Categories:**

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**Database Tags:**

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