

## ABSTRACT

**Title:** Neuropsychological Differential Diagnosis of selected Movement Disorders

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**Abstract:** The diploma thesis deals with the insight into the problems of the extrapyramidal system and its diseases and the key structures of the extrapyramidal system - basal ganglia. Furthermore, a basic description of Parkinson's disease (PN), progressive supranuclear palsy (PSP) and multisystem atrophy (MSA) with emphasis on the cognitive aspects of these diseases. Thesis also deals with neuropsychological examination in clinical practice, in more detail screening methods of cognitive functions, which are a necessary part of the diagnosis of cognitive deficits. We briefly describe selected screening methods, including the Mattis dementia scale (DRS2), which is used in the empirical part of the work. The theoretical part concludes with a brief search of studies that examine using DRS2, but also other screening methods, cognitive deficit and cognitive profile, especially in PN, PSP and MSA, but also in other neurodegenerative diseases. The empirical part of the work focuses on the analysis of DRS2 results in patients with PN, PSP and MSA, taking into account the time of onset of the first motor symptoms. The secondary goal of this work is the interpretation of cognitive profiles in DRS2 and the comparison of their trajectories between diagnoses.

**Key words:** Parkinson disease, Progressive Spranuclear Palsy, Multiple System Atrophy, Mattis Dementia Rating Scale, DRS2, cognitive profile