

Title: Predictors and Course of Cognitive Decline and Depression Early in the Course of Parkinson's Disease based on the DATATOP Cohort

Principal Investigator: Ergun Y. Uc, M.D., Associate Professor of Neurology, University of Iowa, Carver College of Medicine, Department of Neurology, Iowa City, Iowa.

Abstract: Dementia and depression are common in Parkinson's disease (PD) and are associated with decreased functional ability, reduced quality of life, and increased mortality. Identification of clinical subtypes of with highest vulnerability to these important non-motor aspects of PD is critical for providing adequate clinical care and focusing research.

We will study the incidence and predictors of dementia and depression in the DATATOP (**D**eprenyl and **T**ocopherol **A**ntioxidative **T**herapy **o**f **P**D) study cohort, one of the largest and best-studied early PD cohorts in the world. In the DATATOP study, 800 patients were followed for 7 years using a detailed battery of demographic information and standardized measures on motor symptoms (e.g., Unified Parkinson's Disease Rating Scale), cognitive abilities in various domains, psychiatric features, quality of life, and disability. A repository of biologic samples (e.g., for determination of APO E genotypes) and long term mortality information are available.