Imaging Study Information

**Purpose:** Alzheimer's disease (AD) likely begins its degenerative process several years prior to the onset of clinical symptoms such as memory loss. The purpose of the imaging component to the WRAP study is to study ways of detecting AD early in the disease process when treatments may be most effective. Various neuroimaging techniques are used, including functional magnetic resonance imaging (MRI) and perfusion MRI, to study the areas of the brain that are compromised early in the course of Alzheimer's disease.

**Description:** By combining imaging data with other clinical information gathered by the WRAP study, we will gain a deeper understanding of the processes underlying the learning and memory problems in Alzheimer's disease and how these processes are related to risk factors like family history and genetics.

**Who can participate?** We are currently enrolling people with and without a parent with Alzheimer's disease.

**Who may not participate?**
- People who have experienced claustrophobia
- People who have MRI-incompatible devices, implants, or objects such as pacemakers, shrapnel, etc.
- Women who are pregnant
- People who have certain diagnoses that affect brain function such as epilepsy, MS, and psychiatric disorders.

**What does my participation involve?** This sub-study involves three study visits spaced two years apart. Each visit will take approximately 2.5 hours and involves the MRI scan, a computerized task, physical measurements (height, weight, blood pressure, blood sugar) and a brief questionnaire. Subjects are to fast for 8 hours (4 hours if necessary) prior to their visit and abstain from taking morning medications. You may drink water as normal.

**Compensation:** $40.00 per visit

**Other Information:** Free parking is available.

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