How SimonMed 3T MRI makes a difference in diagnosis

This high-resolution scanning uses brain structure quantification to provide physicians with early indication for patients with mild cognitive impairment. NeuroQuant’s FDA cleared software references a known “healthy” database of people the same age, gender and intracranial volume.

Research has shown that patients with a smaller than normal hippocampus are more likely to develop Alzheimer’s disease. A healthy hippocampus shrinks about 1% per year, compared to 5% for someone with Alzheimer’s.

Physicians can use NeuroQuant software to monitor brain volume changes over time, determining whether there is atrophy and how quickly a disease is progressing, and also characterize more severe findings as well as focal white matter disease.

While it can be costly and time-consuming, SimonMed—unlike many specialized centers—does not charge extra for this added quantification.