Alzheimer’s disease is one of the most feared of all illnesses. Besides being the sixth leading cause of death, it’s the most common cause of dementia – often robbing people of their memories and dignity. But technology is now giving researchers new ways to find it sooner and, perhaps, zero in on much more effective ways to treat the condition.

One recent advance is the ability to see specific protein components forming in the brain with positron emission tomography, or PET scans. “If we look at Alzheimer’s disease from its basic definition, it is the presence of the neuritic plaque made of amyloid in the brain and the presence of the neurofibrillary tangle comprised of tau in the brain,” says Ronald Petersen, M.D., Ph.D., director of the Alzheimer’s Disease Research Center at Mayo Clinic.

“Now, we can see those two entities – the plaques and the tangles – in the living individual using some of our new imaging techniques,” Dr. Petersen says. How does it work? Here’s Dennis Douda for the Mayo Clinic News Network.
better we will be, and, perhaps, we can even prevent the disease.”

| Dennis Douda speaking | For the Mayo Clinic News Network, I’m Dennis Douda. |

Anchor tag: November is national Alzheimer’s Disease Awareness Month. Nearly 5.5 million Americans are believed to be living with Alzheimer’s. Unless major medical advances are made for treating or preventing it, that number is expected to triple by the year 2050.