

Wrong diagnosis

Fluid on the brain misdiagnosed as Alzheimer's disease

By **LINDA SHRIEVES**

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ORLANDO, Fla. — Alicia Harper spent years as a missionary, working in Puerto Rico, the Dominican Republic and Mexico, but she faced her greatest challenge six years ago when, at age 69, her mind and body began to falter.

When her children visited, she often sat on the sofa in her Longwood, Fla., home, unresponsive to what was going on around her. A regular churchgoer, she gradually lost interest in attending church. She didn't recognize her own bedroom.

Meanwhile, she was beginning to have trouble walking — and her right hand and right leg often shook.

The diagnosis? Alzheimer's disease.

The reality? Fluid on the brain.

Experts say a significant percentage of those diagnosed with Alzheimer's disease suffer from something else. A study released last week underscored that message.

Researchers in Honolulu autopsied the brains of 426 Japanese-American men who were residents of Hawaii, and who died at an average age of 87. Of those, 211 had been diagnosed with a dementia when they were alive, most commonly Alzheimer's disease.

The study found that about half of the men diagnosed with Alzheimer's did not have sufficient numbers of the brain lesions characterizing that condition to support the diagnosis.

For the Harpers, it would take

several years — and visits to a handful of doctors — before they discovered Alicia did not have Alzheimer's disease.

Instead, she had normal pressure hydrocephalus. With NPH, patients have a buildup of fluid on the brain — and often experience memory loss, trouble walking and loss of bladder control. As many as 5 percent of those diagnosed with Alzheimer's, Parkinson's disease or some form of dementia may have NPH instead, doctors say.

"We hear it so often, over and over again from families," said Dr. Phillip St. Louis, a neurosurgeon and director of Florida Hospital's NPH Program. Harper "went to three or four different doctors before they finally found it. And her case is not unusual. But many health-care providers aren't aware of (the condition)."

And that's as frustrating for families as it is for doctors and medical researchers.

After doctors told them Alicia might have Alzheimer's disease, her husband and their four adult children had to accept that she might never be the same.

"To me, it was just a consequence of life," her husband, Nildo, said. "You just have to live with it."

Nildo became both nurse and caretaker for Alicia, a Cuban emigre who had been the glue that held their family together. He couldn't leave the house because he was afraid she might fall.

Alicia doesn't remember much about that time — it's just a hazy memory. "I remember that I wasn't able to walk," she said recently. "And that I wasn't in charge of the

house — the cleaning, the cooking — anymore. I just didn't care."

Her condition continued to worsen. Walking became increasingly difficult — even with a walker. And she couldn't control her bladder.

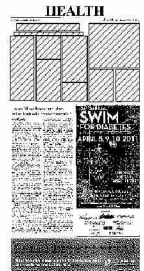
Finally, a neurologist suggested performing a series of tests on Alicia, including a spinal tap, to see if she had NPH.

The condition is often characterized by how quickly a patient seems to age, St. Louis said.

"Let's say you have Uncle Joe, who you've seen and when you see him six months later, he has trouble remembering things from one minute to the other. And his walking is incredibly bad — he has to use a cane or a walker," said St. Louis. "It's very easy for someone to say, 'Well, he's 70, he's getting old.' But it should be a much more gradual decline."

Neurologists typically conduct memory tests on patients — and follow up with MRI scans of their brains, said Dr. Ashok Raj of the Florida Alzheimer's Disease Research Center. A neurologist cannot look at an MRI and conclude that a patient has Alzheimer's, Raj said, but "nine times out of 10, an MRI is going to exclude a lot of other memory problems — such as strokes, NPH and tumors."

Added St. Louis, "Doctors should at least do an imaging study to see if there's any reason for this (decline). Many times they don't. They just assume it's Alzheimer's."





TINA RUSSELL / Orlando Sentinel

LONGWOOD, FLA., resident Alicia Harper, right, stands with her husband, Nildo Harper, in their Longwood home. Alicia Harper, treated six years for Alzheimer's, was misdiagnosed as she has NPH, normal pressure hydrocephalus, a buildup of fluid on the brain.