Health Benefits Of



recently, for example, people with depression who meditated before they went for a run showed greater improvements in their mood than people who did either of those activities alone.

But many people do not have the physical capacity or taste for running or other similarly vigorous activities.

So for the new study, which was published weekly in April in the Journal of Alzheimer's Disease, routine researchers at the University of California, of yoga and Los Angeles, and other institutions decided may to test whether yoga, a relatively mild, strengthen thinking skills and help to stave meditative activity, could alter people's

They began by recruiting 29 middle-aged and older adults from the Los Angeles area Most of us past the age of 40 are aware who told the researchers that they were that our minds and, in particular, memories anxious about the state of their memories at the names and words no longer spring readily university, were found to have mild cognitive to mind, and car keys acquire the power to impairment, a mental condition that can be a

The volunteers also underwent а Some weakening in mental function sophisticated type of brain scan that tracks appears to be inevitable as we age. But how different parts of the brain communicate

The volunteers then were divided into two groups. One began a well-established braintraining program that involves an hour a practice tai chi, or regularly garden have week of classroom time and a series of mental exercises designed to bolster their memory that volunteers were asked to practice at home for about 15 minutes a day.

The others took up yoga. For an hour might intensify the benefits of both pursuits. each week, they visited the U.C.L.A. campus In an interesting study that I wrote about to learn Kundalini yoga, which involves

meditation

off aging-related mental decline, according brains and fortify their ability to think. to a new study of older adults with early signs of memory problems.

begin to sputter as the years pass. Familiar and who, during evaluations teleport into jacket pockets where we could precursor to eventual dementia. not possibly have left them.

emerging science suggests that we might be with one another. able to slow and mitigate the decline by how we live and, in particular, whether and how we move our bodies. Past studies have found that people who run, weight train, dance, a lower risk of developing dementia than people who are not physically active at all.

There also is growing evidence that combining physical activity with meditation movement and poses. The researchers chose that control attention, suggesting a greater this form of yoga largely because people who ability now to focus and multitask. are out of shape or new to yoga generally find it easy to complete the classes.

The yoga group also was taught a type brain training. of meditation known as Kirtan Kriya that involves repeating a series of sounds — a mantra — while simultaneously "dancing" of the brain effects, said Dr. Helen Lavretsky, with repetitive hand movements. They were a professor of psychiatry at U.C.L.A. who asked to meditate in this way for 15 minutes oversaw the study. every day, so that the total time commitment was equivalent for both groups.

The volunteers practiced their programs for 12 weeks.

for another round of cognitive tests and a about the state of their minds," she pointed second brain scan.

By this time, all of the men and women were able to perform significantly better on various biochemicals in the muscles and most tests of their thinking.

But only those who had practiced yoga and meditation showed improvements in their moods — they scored lower on an assessment meditation or either activity on its own might of potential depression than those in the likewise bulk up the brain remains a mystery, brain-training group — and they performed she said. But there may be something much better on a test of visuospatial memory, especially potent, she said, about combining a type of remembering that is important for yoga with the type of meditation practiced balance, depth perception and the ability to in this study, during which people were not recognize objects and navigate the world.

The brain scans in both groups displayed more communication now between parts Foundation, which partially funded this of their brains involved in memory and study, provides information on its website language skills. Those who had practiced about how to start meditating in this style. yoga, however, also had developed more

breathing exercises and meditation as well as communication between parts of the brain

In effect, yoga and meditation had equaled and then topped the benefits of 12 weeks of

"We were a bit surprised by the magnitude"

How, physiologically, yoga and meditation had uniquely changed the volunteers' brains is impossible to know from this study, although reductions in stress hormones and anxiety are likely to play a substantial role, Then they returned to the university's lab she said. "These were all people worried out.

> Movement also increases the levels of brains that are associated with improved brain health, she said.

> Whether other forms of yoga and completely still.

> The Alzheimer's Research and Prevention