A S Aprily TIMES I

## life is

The neurones that

these exercises, the keep you on your feet are in decline. The earlier you do

better. By Peta Bee are tended to at the our muscles and mind

at bettering your balance? last time you worked running and Spinning ramped up with cardiovascular fitness Yet when was the gym, and your

plays a significant part in prevention. and Muscle Trauma Group, exercise avoided and, according to a recent review by the Cochrane Bone, Joint £450 million a year. Yet many could be estimated to cost the NHS close to once a year. Falls in the home are among the most prevalent, Figures half of those over 80 do so at least beople over 60 have falls, and about from the NHS show that a third of Of all the perits of ageing, falling

against this downside of ageing than others in protecting your body found that some activities are better controlled trials from 25 countries and Oxford looked at 108 randomised a big difference. Researchers from the Iniversity and the University of Iniversity of Sydney, Manchester What type of exercise you do makes

someone 30 years younger. physical function that are the same as sixties and seventies they are displaying many parameters of hours a week," McPhee says. "In their of these athletes are training 12 to 14 density and metabolic health. "Some whose ages ranged from 40 to 90-plus study leader, says that these athletes musculoskeletal physiology and the health, muscle strength, bone mineral displayed superior cardiovascular Jamie McPhee, a professor of

potatoes of the same age. "It seems much better at balancing than couch prowess, the masters athletes were no that a reduction in muscle mass and better balance. Despite their physical However, none of this translated to

as t'ai chi and some yoga postures, are and functional balancing moves, such own are not effective in preventing resistance training performed on their report, says that "dance, walking or falls". Activities incorporating standing the contributors to the Cochrane at the University of Sydney and one of tar more beneficial. researcher in musculoskeletal health Professor Anne Tiedemann, a

athletic people of a similar age. nelp to offset the decline seen in less whether their supreme fitness levels Athletics Federation, to find out representatives of the British Masters balance in leading older athletes, all researchers at Manchester affects us all. In research funded by Metropolitan University looked at Medical Research Council (MRC) are superfit for your age you will be the European Union and the UK immune to deteriorating balance. It Don't think that just because you

"We do know that risk of falling balance as early as possible," she says. exercise to maintain their ability to people should be thinking about and that this is one factor that is important for balance, then ideally muscle strength from about age 40 that there is an age-related decline in time to start is now. "If we consider And, according to Tiedemann, the best to balance is to do specific training. regular forms of exercise prevents it." He says that the only way to hold on

from about 40 muscle strength related decline in There is an age-

Dalance, it can be us sful," McPhee

suggested that standing yoga poses "Since a lot of yoga postures involve may be helpful in preventing falls.

In the Cochrane review, results

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of movement deteriorates." muscles we have as our brain's control partly down to poor control of the get older. Diminishing balance is the only reason why people fall as they strength that occurs with age is not

evidence at all that staying fit with as much a part of ageing as greying co-ordination and balance in people hair," McPhee says. "And there's no with all levels of physical fitness. "It's been lost, resulting in lower levels of cent of these motor neurones have shown that, by the age of 75, 40 per movement. McPhee and his team have leg muscles to control balance and about 70,000 specialised nerve cells --the spinal cord that connect with our notor neurones — in the lower part of in our younger years we each have

and are performed standing up. a t'ai chi class is an excellent prevention strategy, McPhee says. Most of the moves involve balance learning ballroom dancing, "Joining had spent the same number of weeks etter in balance tests than those who ittending t'ai chi classes performed

better to not wait until you fall to pay prevent a fall? attention to prevention strategies. increases by around age 65, but it's So what should we be doing to

suggested a reduction of 19 per cent in preventing falls; their evidence among the most effective ways of Cochrane reviewers found it to be we should all consider trying and the your balance. Don't be put off by the shifting your bodyweight to challenge The martial art t'ai chi uses a series of low intensity — it really is something flowing metions that involve moving from one pose to another by gently

their risk of falling fell by 43 per cent. rate and levels of the stress hormone regularly did tai chi for up to a year, reported that in a study of people who the American Geriatrics Society balance. Two years ago the Journal of cortisol, all of which can affect help to lower blood pressure, heart One study showed that those There's evidence that t'ai chi can

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he rate of falls.