





PVOTAL STUDY

For its primary Biocis study, abbreviated from Biomarker and Cogintion Study, Singapore, BICS is
working with local hospitals and
community partners such as Khoo
Teck Pust Hospital and National
Liniversity Hospital to recruit 2,000
certs to study 'Asian dementia' at
its prodromal, or earliest, stages.
Its aim: To detect diseases that
cause dementia at the earliest possible stage through cutting-egle
blood-based biomarkers and statesuble stage through the mentia,
although in many of these cases,
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as you for found to have in their brain,
although in many of these cases,
and the probable stage through the s

Chantal Sajan

Senior Correspondent

In an ongoing research study of Sts participants is expected to conclude in 2027. Those who signed up state of the conclusion of the state of the stat





victims of financial fraud. When we opened about a year ago, we did available only early last month," he adds.

"We focus on individuals with have some form of early-stage cognitive impairment, not those with have some form of early-stage cognitive impairment, not those with have some form of early-stage cognitive impairment, not those with have some form of early-stage cognitive impairment, not those with have some form of early-stage cognitive impairment, not those with have some form of early-stage cognitive impairment, and the studies are done on both healthy, as well as impacted, individuals so that we have a basis for comparison." It is the stage of the control of the study because once brain cells are lost, there is very little that can be done the study because once brain cells are lost, there is very little that can be done that is also worrying is that the study of the study of the study because once brain cells are lost, the study of the study because once brain cells are lost, and in 2022 for a battery of tests, including blood tests, brain MRI some, nearly-psychological assessment, and the part of the study the part of the study that is also worrying is that the study of the study because once brain cells are lost, and in 2022 for a battery of tests, including blood tests, brain MRI some, nearly special assessment of their cognition or in the participants are encouraged to onthey assessment of their cognition or if there are any abnormal finding and the participants are encouraged to one they want a detailed clinical assessment of their cognition or if there are any abnormal finding and the participants are encouraged to one they want and a detailed clinical assessment of their cognition or if there are any abnormal finding and the participants are encouraged to one they want a detailed clinical assessment of their cognition or if there are any abnormal finding and the participants are encouraged to one they want a detailed clinical asterior than the participants are encouraged to one they want and

Recognising the early symptoms of dementia and symptoms of dementia and continuous and a continuous as well as their families. A neurologist is able to draw up a list of treatments such as medication and cognitive the carbon stages, but not when the condition has been left undiagnosed for a long period of time.

The following are examples of mild cognitive impairment

was behavin

advance into dementia.

Mood and behavioural changes

Emotional dysregulation: When
or her emotional responses to
outside stimulator. This can be
seen when a person develops
sadness or becomes more

Physical changes

Physical changes

Slowness of person

Physical changes

Physical changes

Slowness of person

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or her emotional responses to outside stimulation. This can be seen when a person develops sadness or becomes more steen when a person develops sadness or becomes more showing the state of the state o



Professor Nagaendran Kandiah with research participant Connie Wong, whose MRI scans revealed white matter in her brain, indicating potential risk factors that may require medical attention. ST PHOTOS: DESMOND WEE

We have seen that if we can get the patient to adopt a healthier lifestyle, we can control the worsening of the risk factors that lead to dementia.

99

PROFESSOR NAGAENDRAN KANDIAH (left), director of Dementia Research Centre (Singapore), on the association between lack of exercise and dementia

erratically and could be suffering from dementia. She advised Madam Wong to seek medical help, months, ber muther was finally examined by a gerontologist at Singhore General Hospital. She went through an MRI brain scan and sat a series of tests, including an oral competency test. and seek the seek of the

PROMISING SIGNS

But things are looking up for those who have pre-dementia.

One of the biggest breakthroughs in the last two years are
two drugs that show promise in
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that Aducanumah was approved in
tia. Aducanumah was approved in
tia. Aducanumah was approved in
2022 by the American Food and
Drug Administration (FDA) and
lecanemah was just given the
green light in 2023.

"He has seen the efficacy of
these drugs in clinical trialsment," says Prof Kandiah.

He has seen the efficacy of
these drugs in clinical trialscarried out in Singapore. The
dance of the seen that the seen of
accumulation of amyloid and
greater cognitive decline in
patients," he notes.

Next in the pipeline are new yetto-be-named apps, which gamily
cognitive ascessments, and can be
organitive decline.

"We are developing personalised
emedical practitioner to test for
cognitive decline.

"We are developing personalised
assessments through the upcoming
DRCS app to help our patients.
"Says Prof Kandiah, who expects the
app to be rolled out in about a year.
"These apps will be clinically
sensitive, affordable and easy to
use from the comfort of one's home
complete. They will give a person a
good idea of whether he or she has
cognitive impairment and if he or
she should seek immediate medical attention," he adds.

We have been she will be a seek to the
should seek immediate medical attention, "he adds.

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complete. They will give a person a
good idea of whether he or she has
cognitive impairment and if he or
she should seek immediate medical attention," he adds.

We was pecially designed these apps
to make it easier for clinicians in
the story of the seek of the control of the constraints," adds Prof Kandiah. "We
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* The Dementia Research Centre (Singapore) is looking for volunteers aged 30 to 95 for its research studies, which comprise a range of free neuropsychological assessments, blood tests and brain scans. To sign up, go to www.drcs.sg

For dementia-related issues and community care options, check out these helplines - 4 general fortime 1800-650-6606 - 1 Demential Helpline 6377-0700 - 1 Demential Helpline 6377-0700 - 1 Demential Helpline 6375-0700 - 1 Demential Helpline 1800-222-0000 (24 hours) - 1 Demential Singapore and the 1 Demential Singapore 1 Demential Helpline 1 Demential Help

Changes in vocabulary, grammar and word finding; One of the most obvious signs of cognitive decline is the inability to remember names or find the correct word to complete a sentence when interacting with others. Grammar can also be affected in both verbal and written communications.

Moderate- to severe-stage

dementia Severe forgetfulness: When a person is unable to remember the day of the week, this is when his or her condition has deteriorated rapidly. Introducing interventions such as medication or rehabilitative therapies may be ineffective at this stage.

this stage.

Inability to manage finances:
In the moderate stage, a person
will display difficulties counting
money, dealing with cash or

withdrawing money from an ATM. In the severe stage of dementia, he or she will need constant assistance as he or she will not be able to manage day-to-day functions. Delusions and

day-to-day functions. Debusions and hallucinations: In the severe stage of dementia, a person may become violent as he or she may see of heart hings that are not there. He or she may see of heart hings that are not there. He or she may also develop throughts that are not there. He or she may also develop throughts that are not there. He or she may also develop throughts that are not neighbour, is constantly trying to cause him or her harm. Frequent falls: As the cognitive functions that govern mobility, balance and strength deteriorate in those with severe-stage dementia, there will be frequent falls. This is the time when round-the-clock to prevent life-threatening accidents.

Reduce dementia risk and boost brain health

There is no cure for dementia, but early detection, maintaining regular contact with a dementia specialist such as a neurologist, as well as improving overall health, can help in reducing one's risk of suffering from neurodegenerative diseases. Here are some tips for a "brain-healthy" lifestyle.

neurodegenerative diseases, Here are some tips for a "brain-beathy" lifestyle.

Phospholipids and phytomutrients for brain nutrition
Professor Nagsendran Kandiah says phospholipids are crucial for brain cells and phospholipids are the basic structural component of cell membranes in the brain. Brain lipids comprise about 50 per cent phospholipids.
A clinical trial with a phospholipids.
A clinical trial with a phospholipid control of the component of the compon

amproving cognition and regulating censions, says Frof Kandiah.

2 Multivitamins

A new study published in late May in the American Journal Of Clinical Nutrition has found that taking a daily multivitamin a belter which can be bought from supermarkets and pharmacies – hope is improve memory and aprimate cognitive decline associated with againg.

A group of scientists from Harvard Medical School and Columbia University confirmed that data collected from monitoring 3,500 people over the age of 60 who took a multivitamin for seniors called Centrum Siber over a period of three years showed they had better memory. The seniors showed an improvement in their ability to recall items on a cognitive test by 2 per cent compared with their baseline performance three years prior to the testing-those with heart disease who took multivitamins also showed the biggest. Those with heart disease who took multivitamins also showed the memory compared with their bunk memory compared with their such proposed took multivitamins also showed in memory compared with their such proposed to the such that the such proposed to the such proposed to the such proposed the such proposed to the such proposed the such proposed to the such prop

The second process of the second process of

"It also strengthens muscles, improves stamina and can help to reduce blood pressure."

Brain stimulation

One of the most important adjustments to the daily routine of those above 60 should involve activities that provide stimulation to the brain.

Prof Kandish asys moving from passive watching of programmes or movies on television and streaming platforms to active television and streaming platforms to active television and streaming platforms to active television and streaming bafforms to active television and streaming the details of the segments is important. "It's vital to remember what you just watched on TV, says Prof Kandish. "This is how you can stimulate the brain's ability to create and retrieve memories. Persons with severe demental often grapple with memory loss over time."

**He advises writing down details about a movie, TV show or social media reel immediately after it has ended to strengthen the ability to recall memories, such as the plot and names of any actors, and critique the way and sketchbooking, where you put together newspaper clippings, photos or mementoes to describe what happened earlier in the day, and sketchbooking, where you put together newspaper clippings, photos or mementoes to describe the main events for a particular day descriptively and visually gives a workout to the brain and keeps one alert."

Tech wearables

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5 Tech wearables

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Another way to monitor overall health is through technology-enabled wearable gadgets available in stores such as Apple and Fithit.

The latest Apple watches are able to alert a caregiver if someone has falien and is heart an otionless. The albest on the caregiver is more than the constant of the control of the