How dementia can be beaten by a drain in vour brain

By LISA **BUCKINGHAM**

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tripping over more often, she started to worry. I'd be walking along quite happily, but en trip suddenly and fall flat on the oor, says Carole, 74, from Henley-onnames, Oxon. 'I'd often bruise myself tite badly, but I never mentioned it to hyone. My walking had become more boured and slower, too.' There was another, more embarrassing toblem. 'I just couldn't get to the toilet time,' she says. 'It started ten years to I was so embarrassed and upset. I dn't tell anyone — not even my GP.' Then in 2006, when she was 67, Carole ipped on a kerb while carrying some topping home and broke her ribs.

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HREE months after the physio, Carole went to her GP to seek an explanation. 'When I explained ly symptoms, she asked to see e walk across the room. She ommented on the fact that my ait was wide and I was unable keep my knees near each ther and said she wanted to efer me to a neurologist for irther tests.

Her GP told Carole she thought ne problem was hydrocephalus as it happened, she'd just een to a lecture on it and said he incontinence and the way arole was walking and falling

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Hydrocephalus is an abnormal ncrease of cerebrospinal fluid in the brain. When this fluid builds p it starts to affect the brain's inction, causing symptoms uch as gait disturbance (a ride, slow, shuffling gait with



injury or after conditions such as stroke, brain haemorrhage, brain

tumour or meningitis.
The condition is most common in people aged 60 or older and its trio of symptoms are also classic signs of other conditions, such as Alzheimer's or Parkinson's disease, so it often goes misdiagnosed.

Incredibly, it's estimated that 2 per cent of all people over 60 who've been diagnosed with dementia actually have normal pressure hydrocephalus, which equates to about 10,000 people

in the UK.
'One study showed that NPH affects about five people per 100,000,' says Mr Edwards, 'which means we should be treating about 3,000 new cases a year. Instead, we're treating about 300.'

This means there could be thousands of people in the UK on drug treatments for dementia that aren't working.

With a proper diagnosis, the symptoms of this kind of hydro-cephalus can be alleviated or

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of people treated will get a good clinical improvement,' says Mr Edwards. 'Results vary from mild improvement up to total

reversal of symptoms.'
Treatment most commonly involves inserting a shunt (a fine tube and valve) into the brain via a small hole in the skull during a 30-minute operation under general anaesthetic. The shunt drains the excess fluid from the brain and it is diverted into the bloodstream.

Patients usually undergo a lumbar drainage test first—here a fine needle is used to drain fluid from the brain and spine over two or three days to see if symptoms improve and confirm the diagnosis. If symptoms do improve, it's likely that a shunt would be successful.

Carole went into hospital a few

weeks after she was diagnosed to have the fluid temporarily

drained off. "The result was instantaneous," says Carole. 'I was in for three days having the fluid drained off through a small tube in

'At the end of the three days,

stood up and practically ran across it. It was a tremendous feeling — I could walk fast and straight with absolute ease. It was a million miles from the slow, tortuous shuffling of before.' The diagnosis confirmed, Carole was scheduled to have a

shunt fitted. 'In the six months I waited, the symptoms returned as the fluid built up again, but I finally had the operation in

I finally had the operation in April 2008.

'I was in hospital for 24 hours and the effect was immediate—I could walk fast and straight once again and I stopped wetting myself.

'All I had to show for the operation was a small incision and bald patch behind my left ear where they'd shaved my hair away to insert the shunt.

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away to insert the shunt.

'I lived symptom-free for more than a year, but unfortunately I started tripping up again during the second year. I went back to hospital and was told that the fluid had built up again, and I could have the shunt adjusted to drain off a higher volume of fluid which was done in Decemfluid, which was done in December last year.

'That helped, though some

further adjustment may be needed as I still have mild symptoms. It's still so much better than it was without the shunt though."

Around 50 per cent of patients may experience some return of symptoms after a year, but for others the benefit can last sev-

'We can operate on anyone who is fit for surgery, whether they're 60 or 90 — it's never too late,' says Mr Edwards. 'A patient can have a shunt adjusted several times [although there is a limit] and the effects are not always permanent. But even if it gives someone a year or two of improved or reversed symptoms, it's worth it.'

UT he stresses the need for better awareness and testing, so fewer people

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'If people present with dementia symptoms, they are often referred to a geriatrician, but they need to see a neurologist or neurosurgeon to undergo a lumbar drainage test. This is the best way to diagnose normal best way to diagnose normal

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For GPs and the public alike, there can be other indications to watch out for. 'For example, if a person has been diagnosed with drain in vour brain

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With a proper diagnosis, the symptoms of this kind of hydrocephalus can be alleviated or reversed — people can walk normally again and recover from the memory loss and the incontinence. About 80 per cent of people treated will get a good clinical improvement,' says Mr Edwards. 'Results vary from mild improvement up to total reversal of symptoms.'

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best way to diagnose normal pressure hydrocephalus.'
For GPs and the public alike, there can be other indications to watch out for. 'For example, if a person has been diagnosed with Parkinson's, but they're not responding to medication, then

hydrocephalus should be considered, says Mr Edwards. Carole is thankful her GP spotted the signs so quickly. There was no identifiable cause for my condition so I'll never

for my condition, so I'll never know why I got it,' she says.
'I feel lucky, though, that I saw a doctor who was familiar with the condition or I could just have been left to deteriorate with a dementia diagnosis.' with a dementia diagnosis.

■ FOR more information on NPH, visit shinecharity.org.uk or call 01733 555988.

NYTWEAKS

AVOID drinking tea with meals. Most pre-menopausal women and girls are at risk of iron deficiency, and tea contains tannins, which can Interfere with iron uptake from food. Wait an hour after food before enjoying a cup.

