

Agilitas

For Patients and Carers

WHAT IS AGILITAS?

Agilitas is a world-first product, designed and developed in Brisbane to overcome a debilitating Parkinson's disease symptom known as "freezing of gait". Agilitas hopes to provide comfort to 28,000 Australians.

WHAT ARE THE BENEFITS OF USING AGILITAS?

Confidence and independence

Agilitas provides greater freedom and independence, and improves quality of life. The device can reduce and eliminate the need for a cane, walker or wheelchair, can lessen reliance on carers, and boost users' confidence that they will be able to quickly manage a "freeze" at home or in public.

Safety

Agilitas can decrease the chance of freeze-related injuries, such as falls.

The drug-free device complements other Parkinson's therapies including Deep Brain Stimulation surgery, and could lead to a reduced reliance on medication.

Discreet and easy to use

Agilitas is small, discreet, easy to use, and clips on a belt or waistband.

***"It's going to give you freedom.
That's really what it's doing."***

Dawn, age 77

Could Agilitas improve your life?

- Have you been diagnosed with Parkinson's Disease and experience Freezing of Gait?
- Do you find it difficult to start walking because your feet won't move?
- Do you experience shortened or shuffling steps?
- Are you nervous about walking through doorways, corners and aisles?
- Is it difficult to walk and do something else at the same time, such as carry a cup of tea, or talk?
- Do you lack confidence to walk on your own?
- Does freezing affect your day-to-day life significantly?
- Can you overcome your freezing with a visual prompt such as stepping over a line or an upturned walking stick, or a companion's foot?



HOW DOES AGILITAS WORK?

Parkinson's disease specialist and neuropsychiatrist Dr Rodney Marsh created the concept for an automatic device to prevent freezing of gait, and it was then developed by e3k, an award-winning research, development and commercialisation firm led by Dr Duncan Gilmore.

A wearable motion-sensing device, Agilitas uses a unique algorithm to automatically detect when the wearer starts to freeze. The device projects a red laser dot onto the ground, which provides a visual cue to the brain to break the freeze and allow the wearer to continue walking.

Agilitas operates in two modes: an automatic mode and a manual mode. In automatic mode, the device detects shuffling and turns the laser dot on automatically. Manual mode, where the user switches the laser on by "tapping" it twice on the side, is convenient for users when they are likely to suffer frequent episodes of freezing, such as walking around furniture at home.

As gait differs between different people, Agilitas allows you to change the sensitivity with which it activates its automatic cues.

HOW DOES FREEZING OF GAIT IMPACT AUSTRALIAN LIVES?

Freezing of gait affects around 40% of people with Parkinson's disease, and can make it difficult to undertake daily activities, to move around their home, or to walk confidently.

It is a movement disorder unique to Parkinson's disease, characterised by the inability to step forward and the necessity to take very short steps. In laymen's terms, it could be described feeling stuck, leaving a person unable to move forward.

Triggered when the brain of a person with Parkinson's becomes overloaded with stimuli, freezing of gait frequently in confined spaces such as doorways and around furniture or other obstacles and typically happens while turning or starting to walk. It is often preceded by festination, which is an involuntary quickening of steps and shuffling.

Freezing of gait can often lead to imbalance and falls.

But it has more than a physical impact. The stress and anxiety of experiencing (or worrying about experiencing) a freeze, particularly in a public place, can lead to a loss of confidence, self-esteem and independence, and increased isolation.

"One of the things it does is it gives me the ability to get around the house a lot more easily"

Clark Hoey



A revolutionary new device to prevent freezing of gait, Agilitas allows people with Parkinson's disease to walk confidently around the home and in public.

Developed after 5 years of research and development, Agilitas has been tested with patients.

Brought to you by Bright Devices

ABOUT THE COMPANY

Bright Devices is a Brisbane-based technology company formed to improve the quality of life for people with movement disorders.

The company's key focus is to reduce the social impact of neurologically-based movement disorders by providing the best in treatment technology.

Agilitas has a worldwide patent pending and international trademarking is underway.



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