

# A new form of deep brain stimulation to treat gait and balance disorders in Parkinson's disease

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**Question****Name of Fellow**

Dr Arthur Thevathasan

**Related****Institution****Funder**

NHMRC

**Contact information of fellow****Country**

Australia

**Title of project/programme**

A new form of deep brain stimulation to treat gait and balance disorders in Parkinson's disease

**Source of funding information**

NHMRC

**Total sum awarded (Euro)**

€ 149,489

**Start date of award**

01/01/13

**Total duration of award in years**

4.0

**The project/programme is most relevant to:**

Parkinson's disease & PD-related disorders

**Keywords**

parkinson disease | gait disorders | falls | neurophysiology | neurosurgery

**Research Abstract**

Over 64,000 Australians have Parkinson's disease. Most patients with Parkinson's disease ultimately develop gait 'freezing' and poor balance, which impair quality of life and cause falls. Unfortunately, gait freezing and poor balance often don't improve with conventional treatments. We are therefore developing a new treatment for these symptoms, which involves implanting a pacemaker into a very deep brain region called the "Pedunculopontine Nucleus".

**Types:**

Fellowships

**Member States:**

Australia

**Diseases:**

Parkinson's disease & PD-related disorders

**Years:**

2016

**Database Categories:**

N/A

**Database Tags:**

N/A