

# The INVEST study (Infusion VErus STimulation), a cost-effectiveness analysis of the treatment of advanced Parkinson's disease comparing Continuous Levodopa Infusion to the traditional standard treatment Deep Brain Stimulation

<https://www.neurodegenerationresearch.eu/survey/the-invest-study-infusion-versus-stimulation-a-cost-effectiveness-analysis-of-the-treatment-of-advanced-parkinson%20s-disease-comparing-continuous-levodopa-infusion-to-the-traditional-standard-t/>

## **Principal Investigators**

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## **Institution**

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## **Contact information of lead PI**

### **Country**

Netherlands

## **Title of project or programme**

The INVEST study (Infusion VErus STimulation), a cost-effectiveness analysis of the treatment of advanced Parkinson's disease comparing Continuous Levodopa Infusion to the traditional standard treatment Deep Brain Stimulation

## **Source of funding information**

ZonMw

## **Total sum awarded (Euro)**

€ 400,000

## **Start date of award**

01/10/2014

## **Total duration of award in years**

4.0

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

Parkinson's disease & PD-related disorders

**Keywords**

**Research Abstract**

**OBJECTIVE(S)/RESEARCH QUESTION(S)** To realize a cost-effective treatment strategy in advanced Parkinson's disease (PD). Do additional costs of the frequently used Continuous Levodopa Infusion (CLI) lead to a sufficient increase in quality of life, compared to traditional standard treatment with Deep Brain Stimulation (DBS)?

**HYPOTHESIS** CLI is no cost-effective therapy.

**STUDY DESIGN** Prospective, randomized, open label multicenter trial, with two additional patient preference treatment arms ("patient preference randomized trial").

**STUDY POPULATION(S)/DATASETS** Patients with PD who, despite optimal pharmacological treatment, have severe response fluctuations, dyskinesias, painful dystonia, or bradykinesia. A total of 66 patients will be randomized, at least 120 patients will be included in the patient preference arms.

**INTERVENTION** For CLI treatment, a tube will be placed in the jejunum via a percutaneous endoscopic gastrostomy (PEG). The tube is connected to an external pump that delivers the Levodopa-gel.

**Lay Summary**

**Further information available at:**

**Types:**

Investments > €500k

**Member States:**

Netherlands

**Diseases:**

Parkinson's disease & PD-related disorders

**Years:**

2016

**Database Categories:**

N/A

**Database Tags:**

N/A