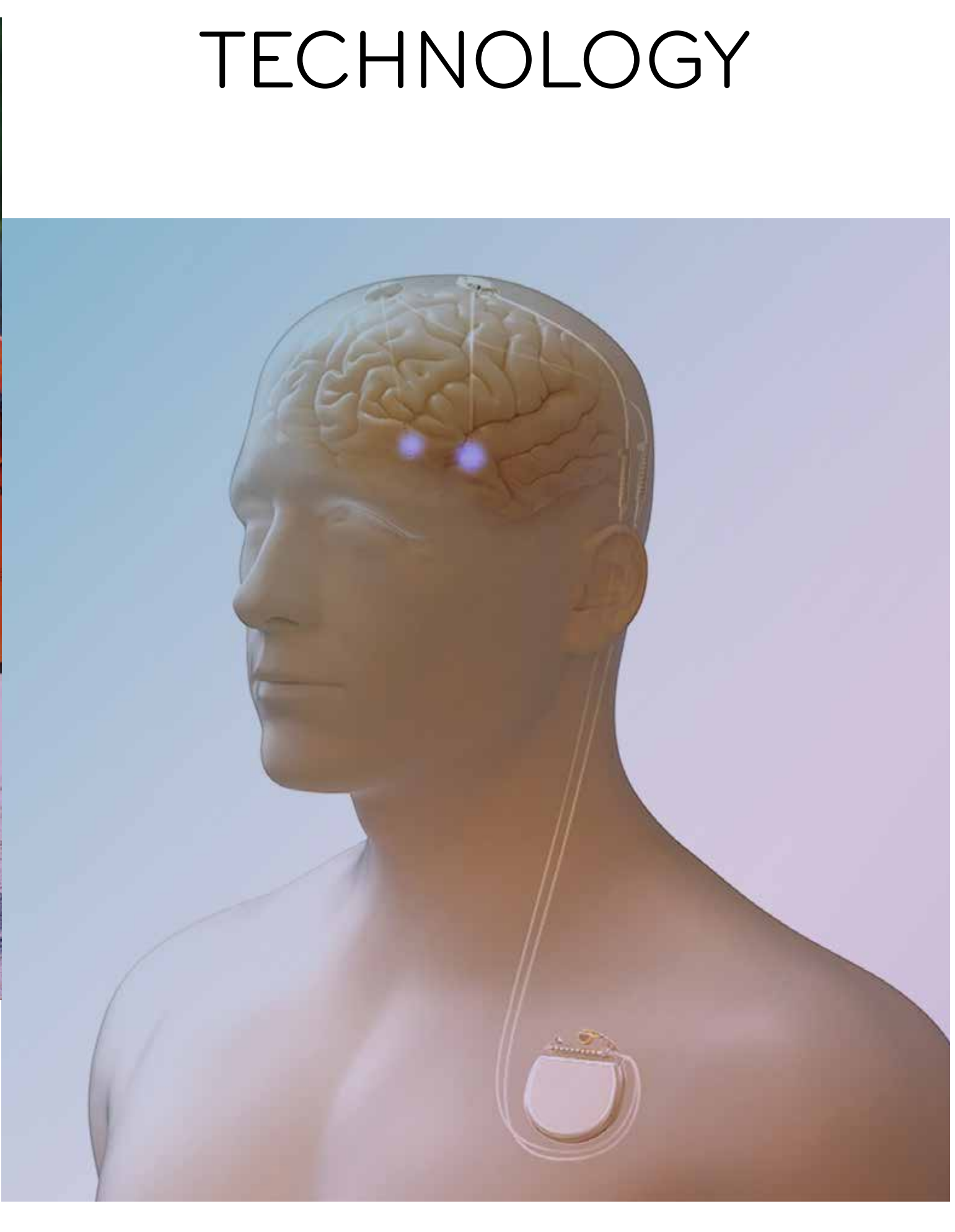
THE INCREDIBLE HUMAN BODY

WITH A LITTLE HELP FROM INCREDIBLE MEDICAL TECHNOLOGY



Tony Seidl was diagnosed at age 39
with Parkinson's disease.

A therapy called deep brain stimulation (DBS) has helped Tony improve his ability to control his movements, body stiffness and speech problems, all symptoms of Parkinson's.

Most of all, his ability to move around has also been enhanced immensely. "I've almost completely got my life back" says Tony.

To show how far he has come and to inspire other people with Parkinson's, Tony recently completed an 11-day, 500 km cycling journey from Salzburg to Padua.

THANKS TO MEDICAL TECHNOLOGIES

MedTech Europe
from diagnosis to cure

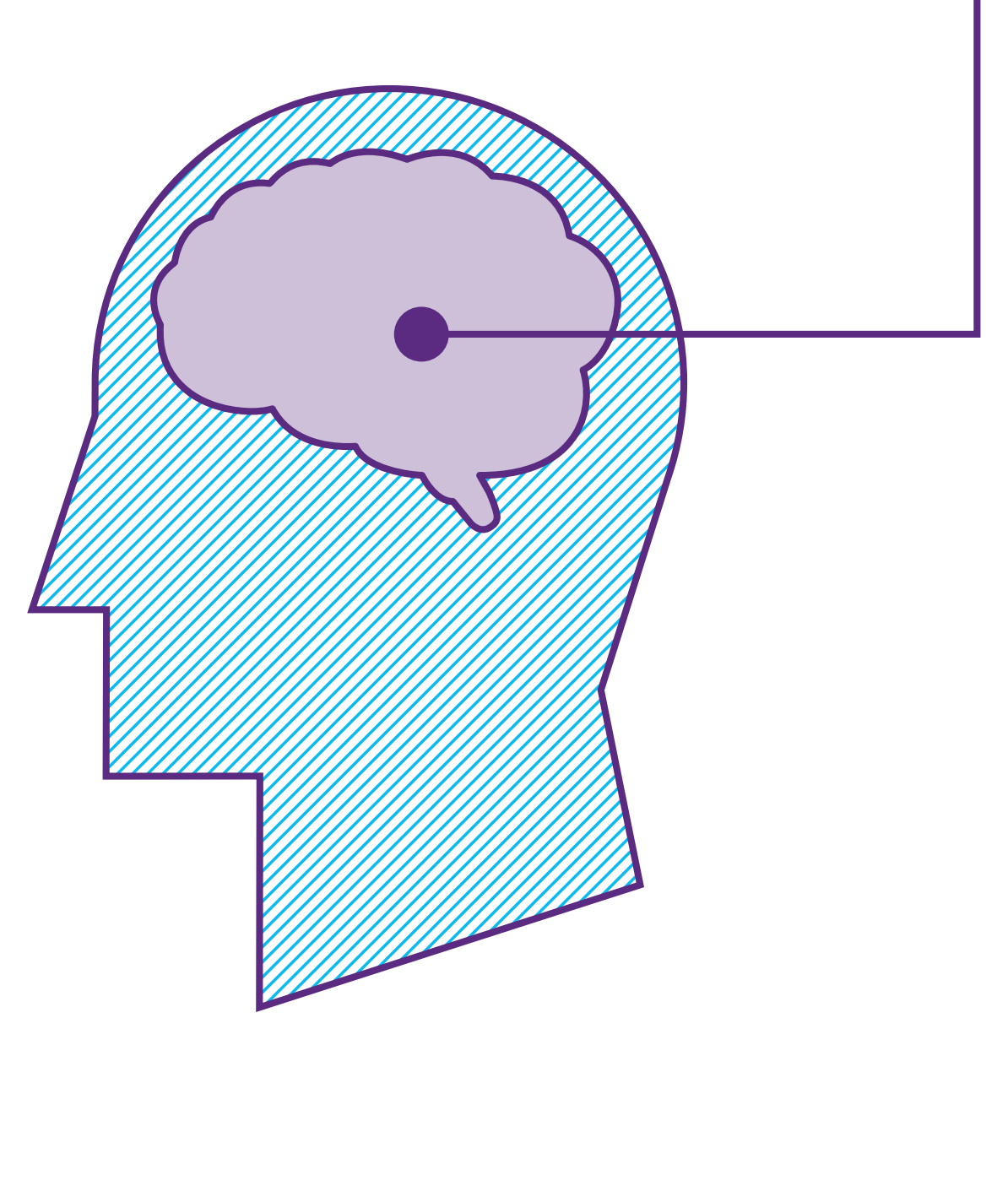
LIFE-CHANGING TECHNOLOGIES

WHAT IS PARKINSON'S DISEASE?

PARKINSON'S DISEASE (PD)

is a neurodegenerative condition, an illness which affects the nerve cells in the brain that control movement.

Parkinson's is progressive, which means symptoms appear gradually and slowly get worse.



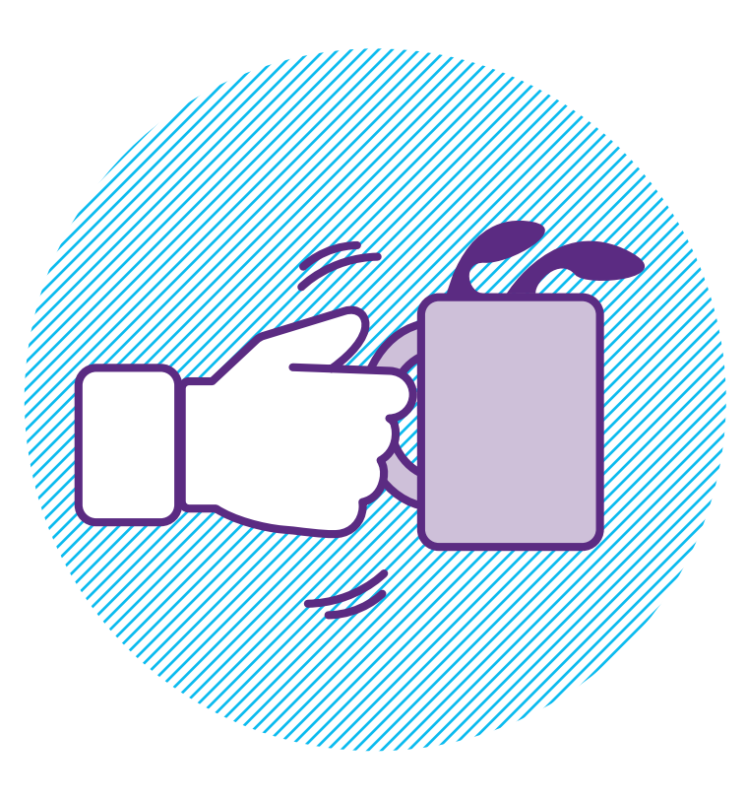
6 MILLION
people worldwide
suffer from Parkinson's

1.2 MILLION
in Europe

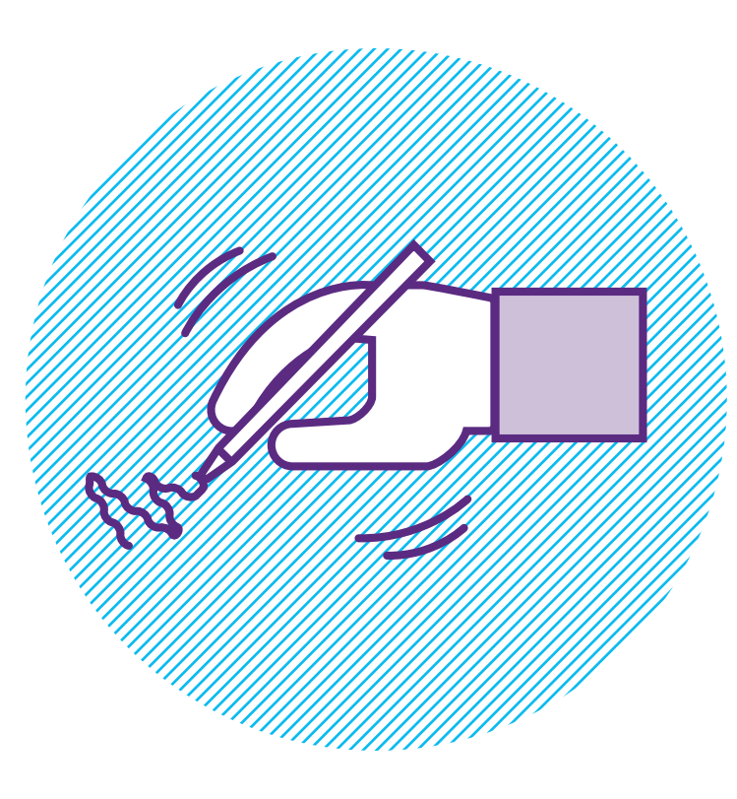
WHAT ARE THE SYMPTOMS OF PARKINSON'S DISEASE?

RESTING TREMOR

FROZEN GAIT



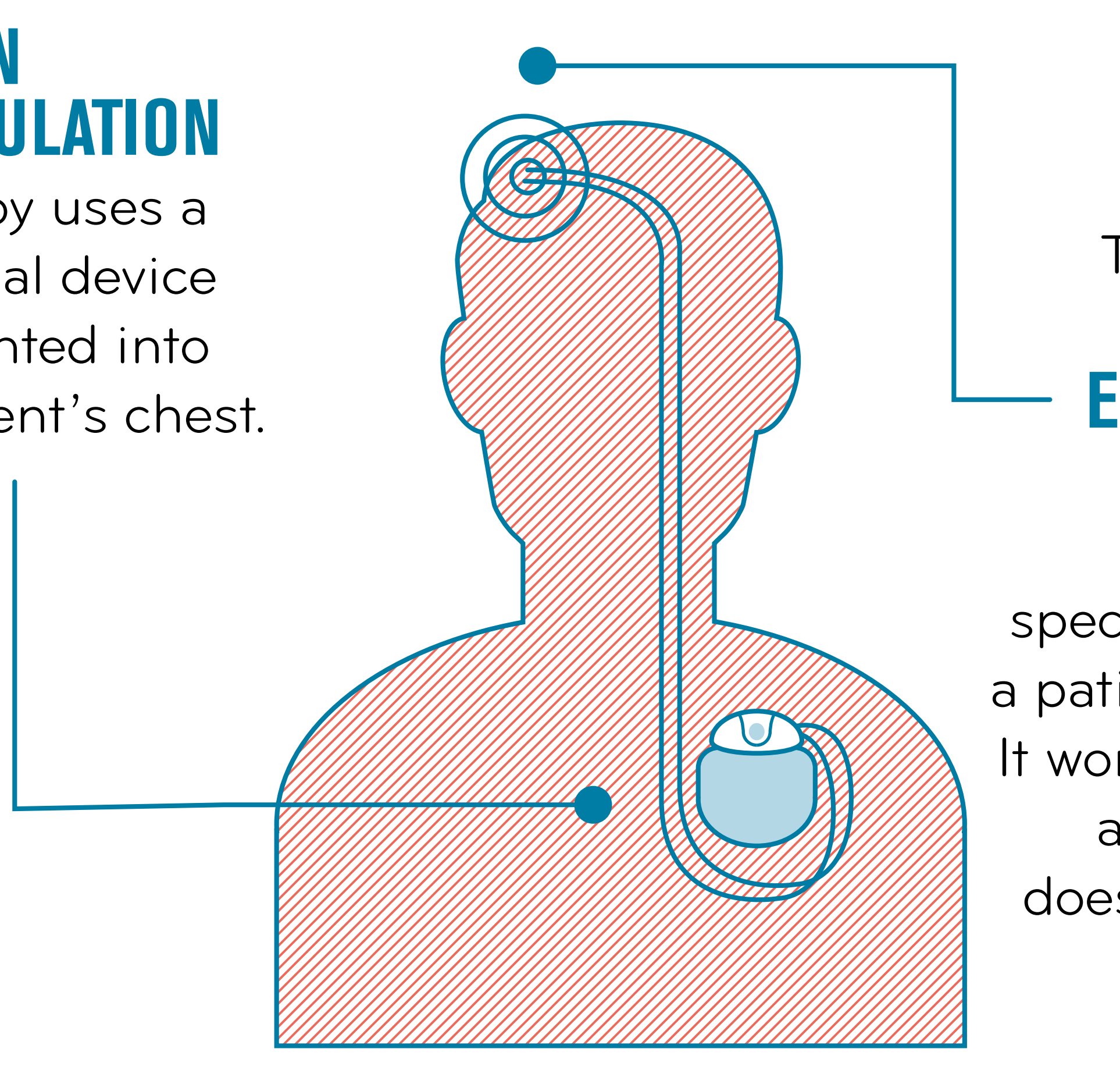
POOR GENERAL COORDINATION



MUSCULAR RIGIDITY

UNSTABLE POSTURE

HOW MEDICAL TECHNOLOGY HELPS PATIENTS DEAL WITH PARKINSON'S

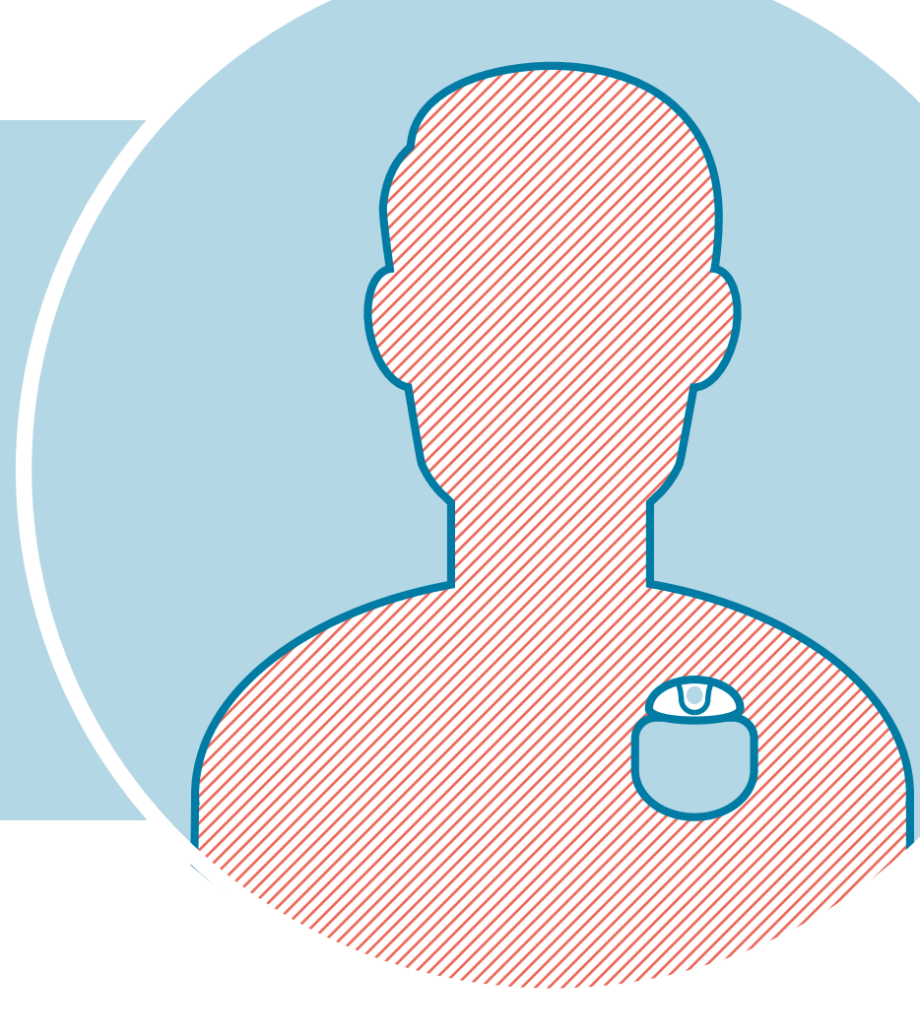


DEEP BRAIN STIMULATION therapy uses a medical device implanted into a patient's chest.

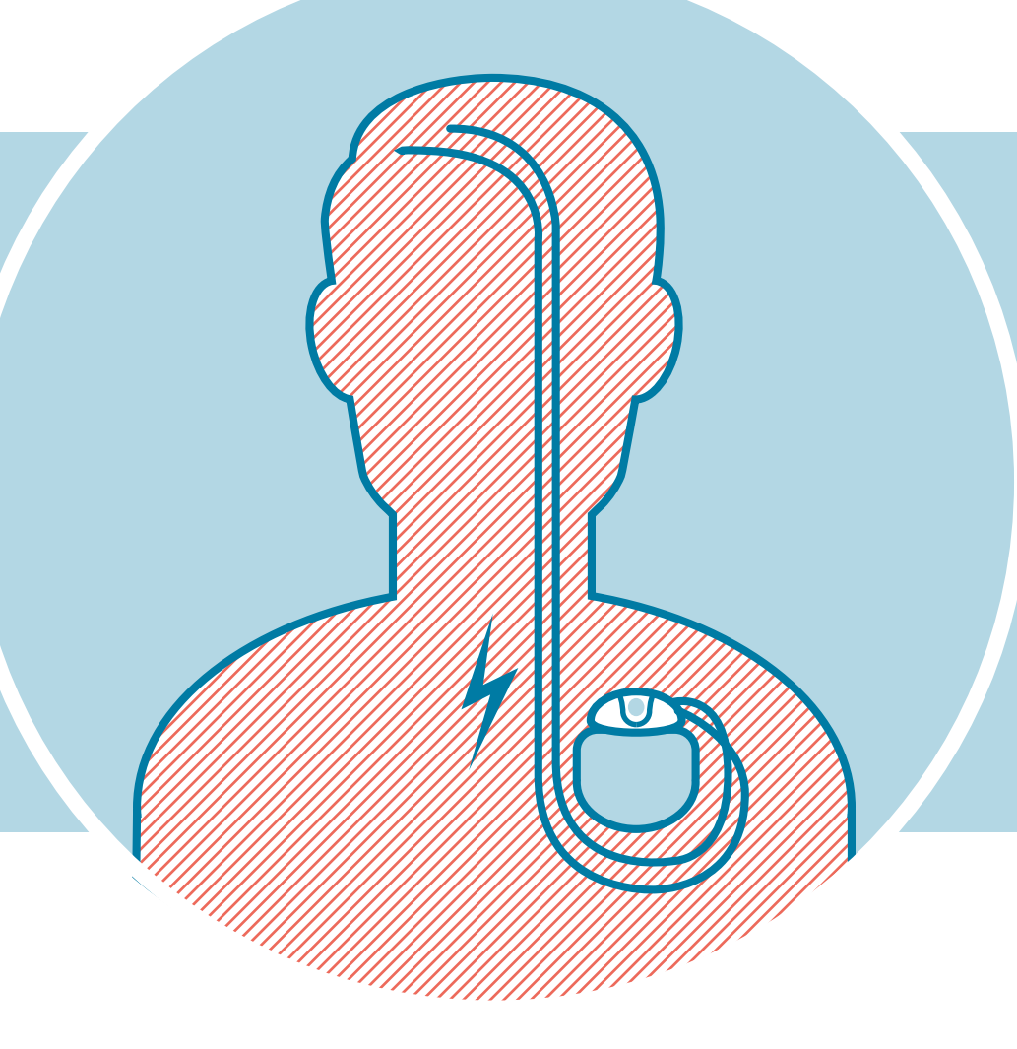
This delivers **MILD ELECTRICAL IMPULSES** to stimulate specific areas of a patient's brain. It works a bit like a pacemaker does for hearts.

DBS
DEEP BRAIN STIMULATION

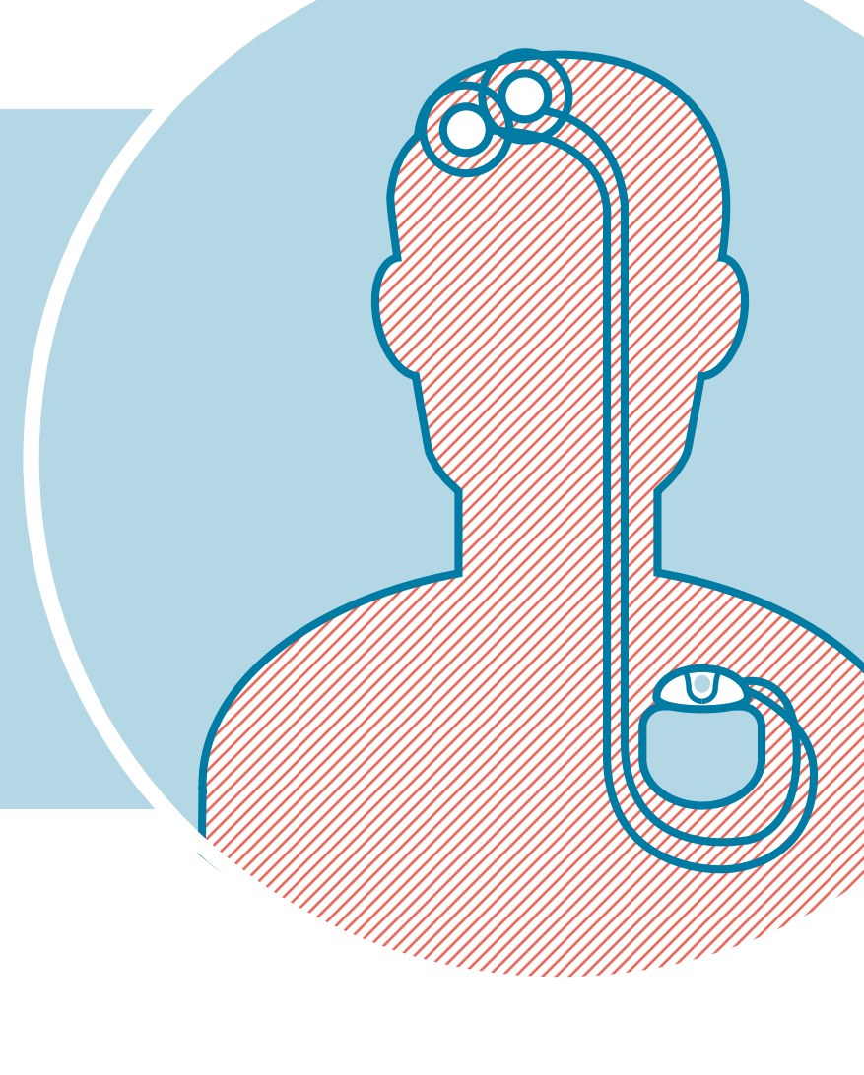
HOW DOES DBS WORK?



A medical device is surgically implanted, typically under the skin of the patient's chest



This medical device sends signals to the brain via 1 or 2 insulated wires called leads



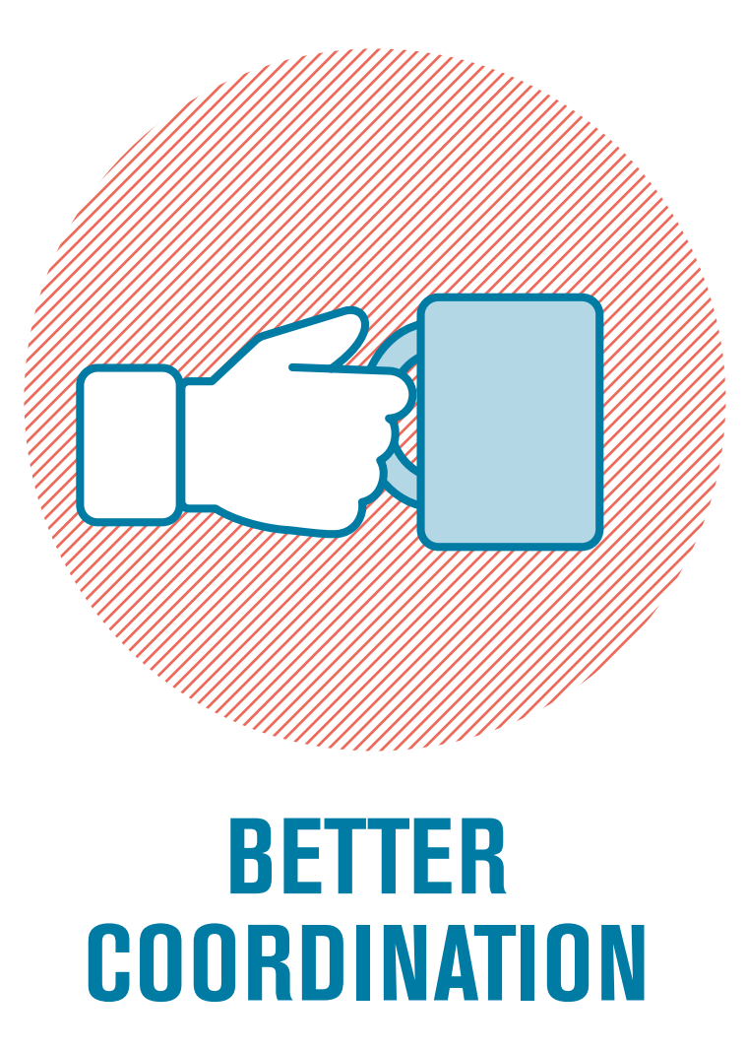
Mild electrical impulses stimulate those regions of the brain which regulate signalling and manage Parkinson's symptoms

HOW DBS HELPS PARKINSON'S PATIENTS?

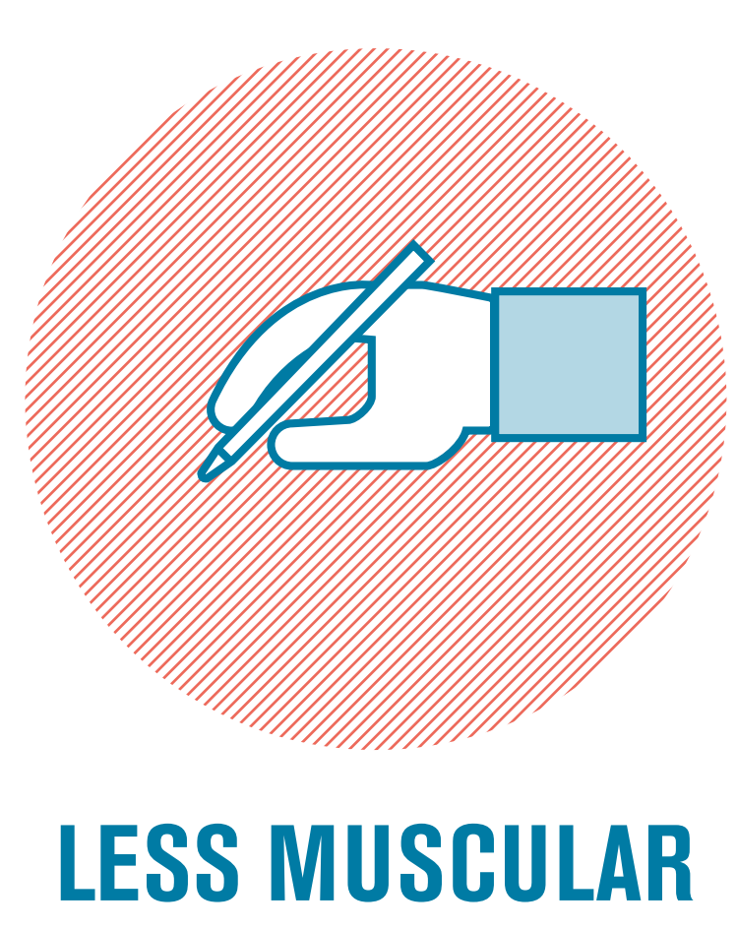
A life with more control

LESS RESTING TREMOR

LESS FROZEN GAIT



BETTER COORDINATION



LESS MUSCULAR RIGIDITY

LESS UNSTABLE POSTURE

Read more about Parkinson's and Tony's remarkable journey at
HTTP://MEDTECHVIEWS.EU

LIFE-CHANGING TECHNOLOGIES

SOURCES: http://thisismedtech.com/article/crossing-mountains-despite-parkinson%E2%80%99s • http://www.parkinson-altoetting.de/herr-tony-seidl
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