VERCISE™ DIRECTIONAL* SYSTEM
Advancing DBS Therapy

*A System that includes the Vercise PC or Vercise Gevia™ IPG and Vercise Cartesia™ Directional Lead(s) form the Vercise Directional System.
**RESHAPING DBS**

When it comes to DBS, there is no one-size-fits-all solution. That’s why Boston Scientific offers both the Vercise™ PC (non-rechargeable) and Vercise Gevia™ (rechargeable) DBS systems. Powered by MICC, both systems are designed to give you precise control over the size, shape, location, and direction of stimulation.

**IMPLANTABLE PULSE GENERATOR DESIGN AND SPECIFICATIONS**

Introducing the Vercise PC and Vercise Gevia DBS Systems.

Smaller, thinner, contoured shape, designed for minimal erosion and optimal cosmesis.


**Vercise PC** offers a larger battery capacity vs. the conventional non-rechargeable system, while miniaturizing electronics to conserve IPG size.

Vercise Gevia rechargeable battery is designed and warranted to last at least 15 years, with no hard shut off.2

With Zero Volt™ Technology, the Gevia battery is designed to maintain capacity and resist corrosion during repeated charging cycles.

**Vercise Standard Lead**

Provides the best of both open and spacing

**Vercise Cartesia™ Directional Lead**

Provides multi-directional stimulation for greater precision with fewer side effects

**LEAD DESIGN AND SPECIFICATIONS**

Our two unique lead options are compatible with either the Vercise PC or Vercise Gevia System.

**RESHAPING STIMULATION**

Define the size, shape, position and direction of stimulation to accurately target therapy and avoid unwanted effects, even in the presence of impedance variability.

The difference between a directional lead and a directional system is the power behind the lead. The Vercise DBS Systems are powered by Multiple Independent Current Control (MICC) technology, which enables seamless current steering between contacts and customized patient therapy.

**Our multilumen construction is designed to be durable and prevent cables from electrically shorting.**
The Vercise™ Neural Navigator 2.1 includes intuitive new programming software that can further personalization. Now clinicians can see each lead’s selected stimulation field while configuring their patients’ DBS programs.

**StimView™ Technology** helps visualize the volume of tissue being activated for the selected stimulation settings, and is designed to support the needs of DBS programmers with advanced simplicity, flexibility and ease of use.

**One-Touch Programming**

One-Touch Buttons make directional programming intuitive and simple.

**Parameters**

- **Amplitude**
  - 0.1 mA - 20 mA

- **Pulse Width**
  - 20 - 480 μs

- **Cycle On / Off**
  - 1 sec - 90 minutes

- **Ramp On**
  - 1 - 10 seconds

- **Contact Connections**

  **Independent Areas of Stimulation**
  - 16 (4 programs with 4 areas per program)

**Parameter Range**

- **Amplitude**
  - 0.1 mA - 20 mA

- **Pulse Width**
  - 20 - 480 μs

- **Cycle On / Off**
  - 1 sec - 90 minutes

- **Ramp On**
  - 1 - 10 seconds

- **Contact Connections**

  **Independent Areas of Stimulation**
  - 16

1. The use of higher frequencies than those currently established (250 Hz) is the sole responsibility of the user.
2. The use of lower pulse widths than established (60 μs) is the sole responsibility of the user.

**Ring Posterior Anterior Lateral Medial**

Expanded parameter settings allow for programming flexibility and options to treat a greater range of patients throughout disease.

**Simply Advanced**

The Vercise™ Neural Navigator 2.1 includes intuitive new programming software that can further personalization. Now clinicians can see each lead’s selected stimulation field while configuring their patients’ DBS programs.
The M8 Adapter provides access to the simply advanced stimulation capabilities of Vercise implantable pulse generators (IPGs) by connecting to existing Medtronic wiring during a battery replacement procedure.

- Replace current IPG with a smaller, thinner and contoured Vercise IPG.
- Vercise Gevia offers 15 years battery longevity while reducing potential surgical interventions.
- Gain access to the programming flexibility of Vercise Neural Navigator 2.1.

M8 Adapter:
If patients are looking to switch to a Boston Scientific Stimulator from a Medtronic battery, the M8 Adapter conversion system allows them to keep their wiring in place without undergoing lead revision surgery.

VERCISE DBS PORTFOLIO

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<tr>
<th>VERCISE Gevia</th>
<th>VERCISE PC DBS</th>
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<tbody>
<tr>
<td>Longevity</td>
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<td>MIRC Technology</td>
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<td>Lead Compatibility / Directional System</td>
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<tr>
<td>MRI Conditionality</td>
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<tr>
<td>Wireless Remote Control</td>
<td>91.4 cm telemetry</td>
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<tr>
<td>Cordless Charging</td>
<td>✓</td>
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<tr>
<td>Size &amp; Shape</td>
<td>19.8 cc</td>
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<tr>
<td>Innovation w/ Adapters</td>
<td>M8</td>
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CONNECT TO MEANINGFUL INNOVATION

The M8 Adapter provides access to the simply advanced stimulation capabilities of Vercise implantable pulse generators (IPGs) by connecting to existing Medtronic wiring during a battery replacement procedure.

- Replace current IPG with a smaller, thinner and contoured Vercise IPG.
- Vercise Gevia offers 15 years battery longevity while reducing potential surgical interventions.
- Gain access to the programming flexibility of Vercise Neural Navigator 2.1.

**Vercise Navigator Programmer Manual. Based upon modeling calculations for standard settings of 130 Hz, 60μs and 3 mA.
***Applies to leads DB-2201-45 and DB-2201-30 only. Refer to the ImageReady™ MRI Guidelines for Boston Scientific Deep Brain Stimulation Systems for Use indications, warnings and cautions.
5. Refer to the M8 DFU for specific Medtronic leads and extensions compatibility.
Indications for Use: The Vercise™ Deep Brain Stimulation (DBS) Systems are indicated for use in bilateral stimulation of the subthalamic nucleus (STN) as adjunctive therapies in reducing some of the symptoms of moderate to advanced levodopa-responsive Parkinson’s disease (PD) that are not adequately controlled with medication.

Refer to the Vercise M8 Adapter Directions for Use for indications, warnings and cautions. The Vercise M8 Adapter is compatible with the following Medtronic lead and extension model numbers: 3887, 3889, 3708640, 3708660, 3708695, 3708540, 3708560, 3708595.

Contraindications, warnings, precautions, side effects: Vercise DBS Systems, or any of their components, are contraindicated for: Diathermy as either a treatment for a medical condition or as part of a surgical procedure, Electroconvulsive Therapy (ECT) and Transcranial Magnetic Stimulation (TMS) as the safety of these therapies in patients implanted with Vercise DBS Systems has not been established, Magnetic Resonance Imaging (MRI), patients who are unable to operate the system, patients who are poor surgical candidates or who experience unsuccessful test stimulation. Refer to the Instructions for Use provided with Vercise DBS Systems or BostonScientific.com for potential adverse effects, warnings, and precautions prior to using this product.