Boston Scientific

Advancing science for life™

THERAPY WITHOUT COMPROMISE

Vercise Genus™ DBS System

VERCISE GENUS™ DBS SYSTEM

Tailor a DBS system specific to your workflow and patient's needs.

The Vercise Genus™ DBS System enables you to personalise DBS therapy as unique as each one of your patients.

The most therapy options* to manage side effects as your patient's disease progresses

25

At least a 25-year battery life with our rechargeable IPGs**

4

4 thin, contoured ImageReady™ MR-Conditional rechargeable and non-rechargeable IPGs

Intuitive Personalised Therapy with Image Guided Programming

COMPLETE PORTFOLIO

Choose from four small, contoured rechargeable and non-rechargeable MR-Conditional Implantable Pulse Generators (IPGs) designed for patient comfort and convenience.

NON-RECHARGEABLE IPGS (P16, P32)
Small, contoured design for patient comfort
Image Guided Programming
MR-Conditional

Proven Battery Technology

10 years on the market and more than **25,000 patients*** implanted, Boston Scientific has a battery you can depend on.

RECHARGEABLE IPGS (R16, R32)
30 days of recharge-free therapy[1]
Image Guided Programming
MR-Conditional

VERCISE GENUS™ BATTERY PORTFOLIO

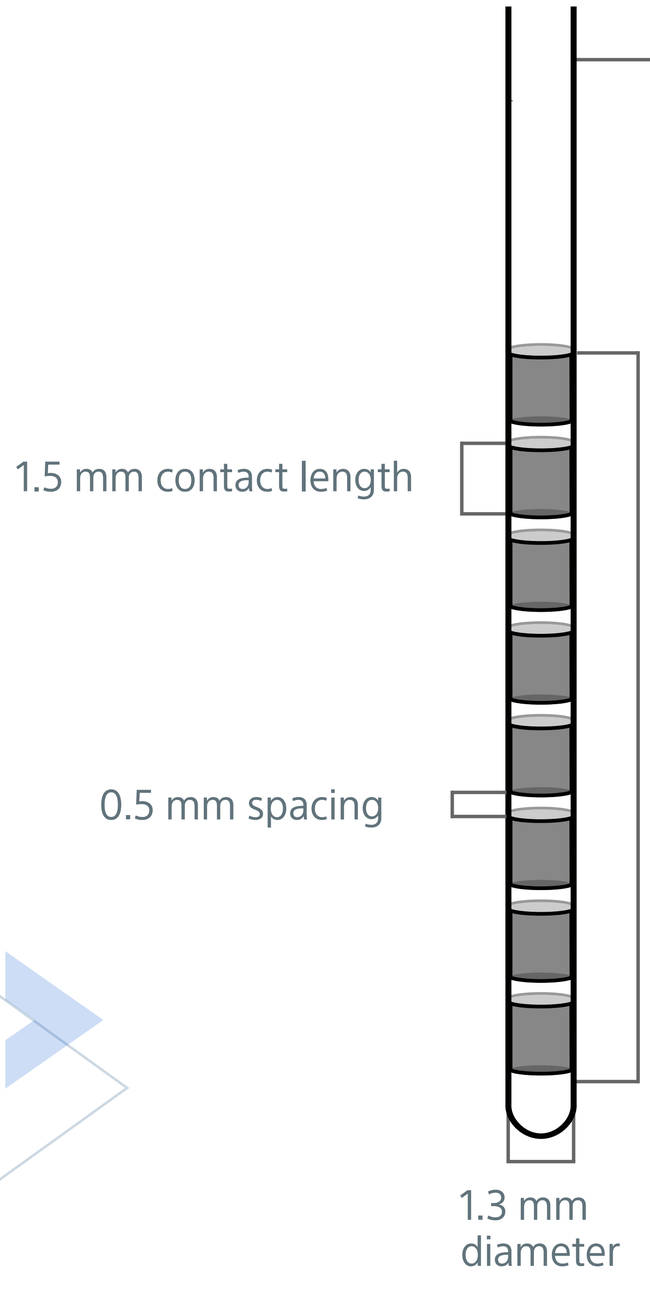
	VERCISE GENUS P16	VERCISE GENUS R16	VERCISE GENUS P32	VERCISE GENUS R32
Volume	34.9 cm^3	20.1 cm^3	36.6 cm^3	21.6 cm^3
Thickness	11.6 mm	10.7 mm	11.6 mm	10.7 mm
Multiple Independent Current Control (MICC)	✔	✔	✔	✔
Directional Bipolar Stimulation	✔	✔	✔	✔
Anodic Stimulation	✔	✔	✔	✔
Communication	Bluetooth®	Bluetooth®	Bluetooth®	Bluetooth®
MR-Conditional	✔	✔	✔	✔
Number of Ports	2	2	4	4
Remote Expert Programming Support	✔	✔	✔	✔
Number of Contacts	16	16	32	32

VERCISE™ DBS LEADS

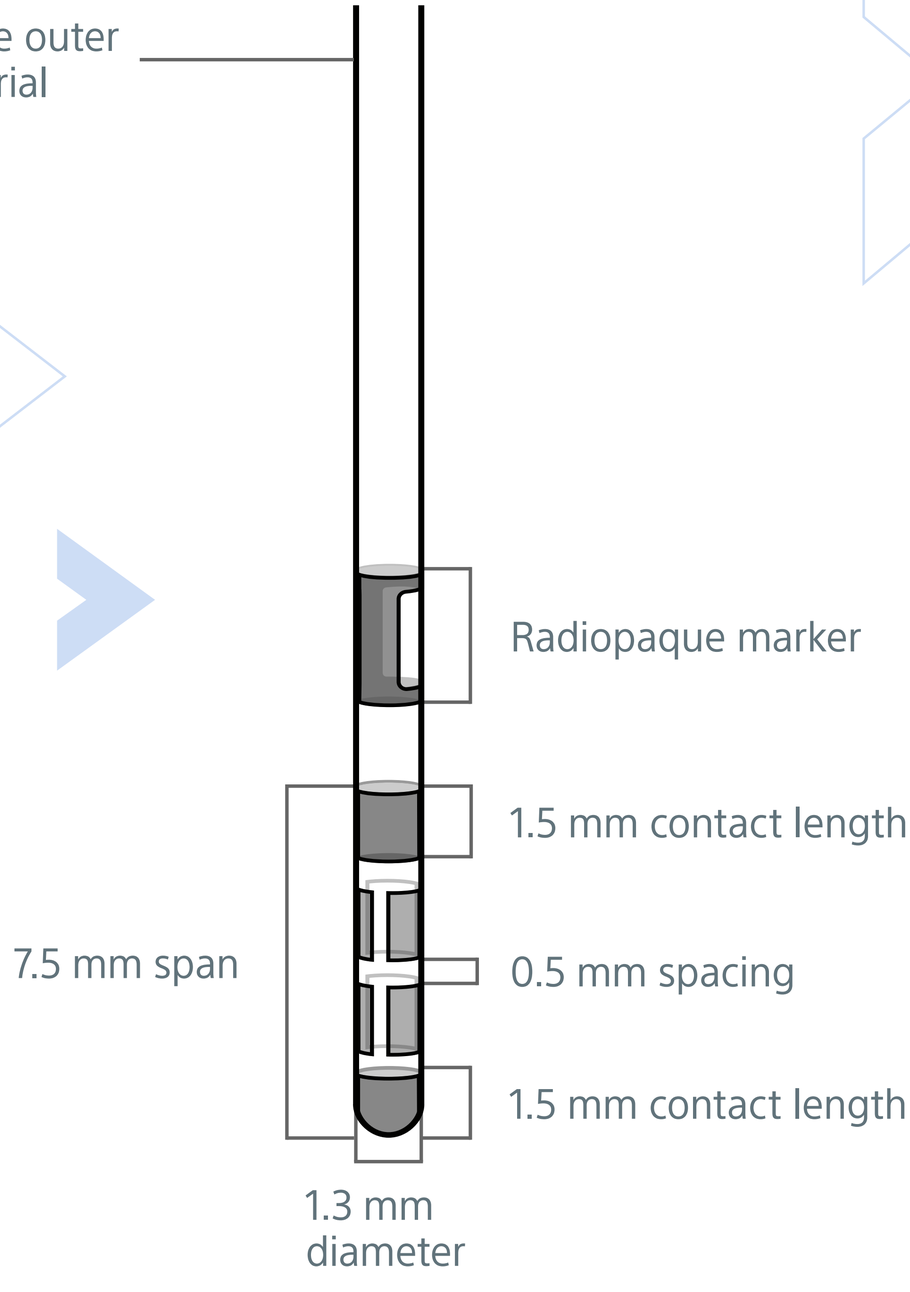
DBS leads engineered for reliability. Designed with individually isolated cables and a multi-filar design, Vercise™ DBS leads are intended to minimise the occurrence of opens and shorts, offering a durable foundation for DBS therapy.

Lead design and specifications

Vercise™ Standard Lead



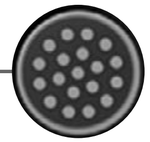
Vercise™ Cartesia™ Diractional Lead



VERCISE™ DBS LEADS

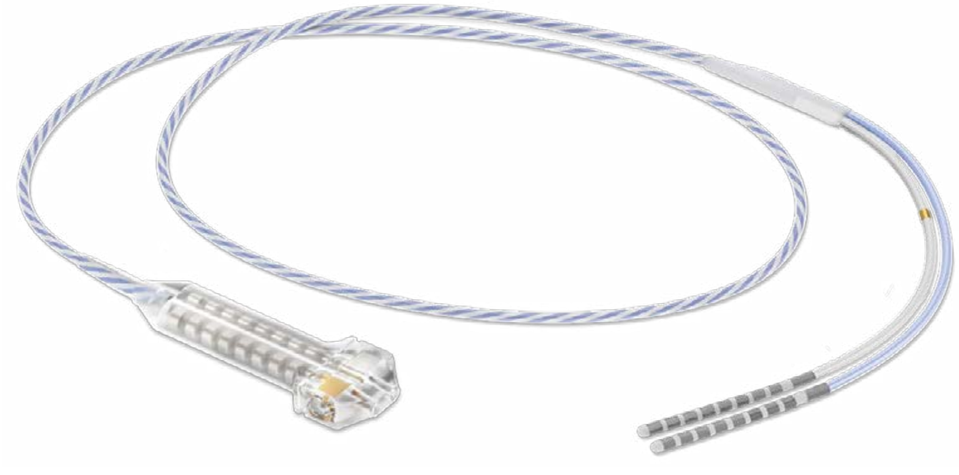
Designed for durability

Each cable is constructed with multiple filars for strength and electrically isolated to minimise the potential for shorts.



Filar conductor cable

VERCISE™ 2-IN-1 DBS EXTENSION



50%

less extension material***

Combining two DBS lead extensions into one, the 2x8 Contact Lead Extension is designed for patient comfort and surgical efficiency.

SEE DBS FROM EVERY ANGLE

VN5 – Vercise™ Neural Navigator 5

See stimulation to personalise therapy in each patient's specific anatomy****

Image Guided Programming
with STIMVIEW™ XT Technology

Levels and anatomical
direction display

Image Guided Programming
reduces programming time by:

56%[2]

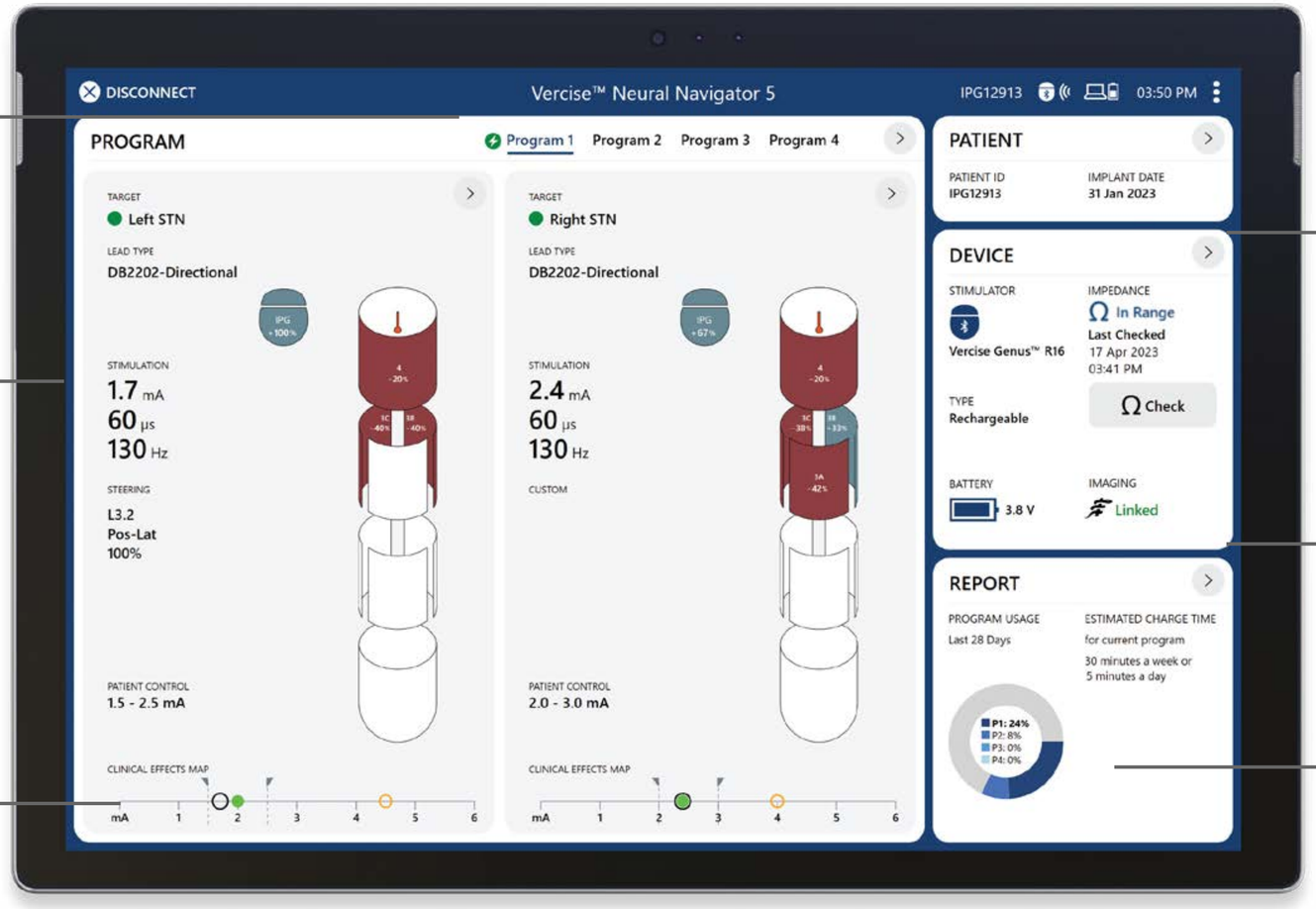
****STIMVIEW™ XT Technology is a visual representation of the estimated stimulation field

EASY AND EFFICIENT PROGRAMMING

New dashboard shows your patient's therapy at-a-glance for efficient decision making

Quick-view of active and inactive programs

Therapeutic window display



Device info, impedance status

Program usage and estimated charge time

Stim-on Steering

Stim-on Steering enables ***simple*** and ***accurate*** assessment of stimulation along the ***entire electrode***.

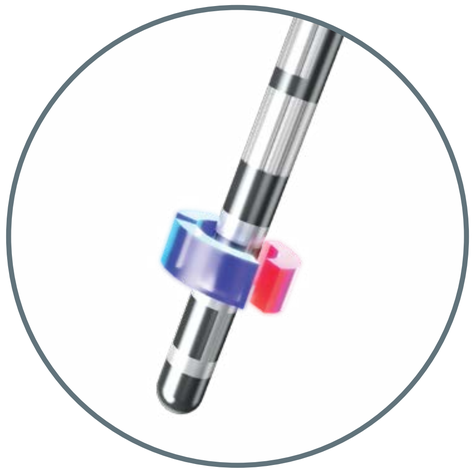
INTUITIVE PERSONALISED THERAPY

The most therapy options*

Manage side effects as your patient's disease progresses with the most therapy options available.

Monopolar

Bipolar



Bipolar Directional
(Anodic Block)

Unique stimulation capabilities only available with Boston Scientific.
Semi-bipolar and Anodic stimulation are demonstrated to increase side effect thresholds and improve efficacy.

Semi-bipolar

Anodic stimulation

EVIDENCE-BASED PROGRAMMING WITH VERCISE™ DBS SYSTEMS

Foundational class 1 evidence

INTREPID clinical study[3]

First, Multi-centre, Prospective, Randomised, Sham-controlled, Double-blind study.

One-year highlights

- 6 hours of improved ON time
- 51% improvement in UPDRS III at 1 year

Real-world data

Real-world outcomes using Vercise™ DBS Systems[4]

- 56.4% improvement in motor function (MDS-UPDRS III)
- Clinically significant improvement in quality of life (PDQ-39)

Therapy options

Bipolar Directional Stimulation[5]

Bipolar stimulation allowed for higher stimulation amplitudes without side effects compared to monopolar directional stimulation.

Anodic Stimulation[6]

Anodic stimulation improved acute response in those who exhibited limited symptom control with cathodic stimulation.

PATIENT FOCUS: CONVENIENCE MEETS COMFORT

Every aspect of the Vercise Genus™ DBS System prioritises patients' preferences and lifestyles.

30-days of recharge-free therapy

Boston Scientific Rechargeable Batteries offer patients easy recharging to match their lifestyle. At typical clinical settings, patients can go up to 30-days between recharging cycles[1].

Wireless remote

Intuitive controls and a broad telemetry range simplify the patient experience.

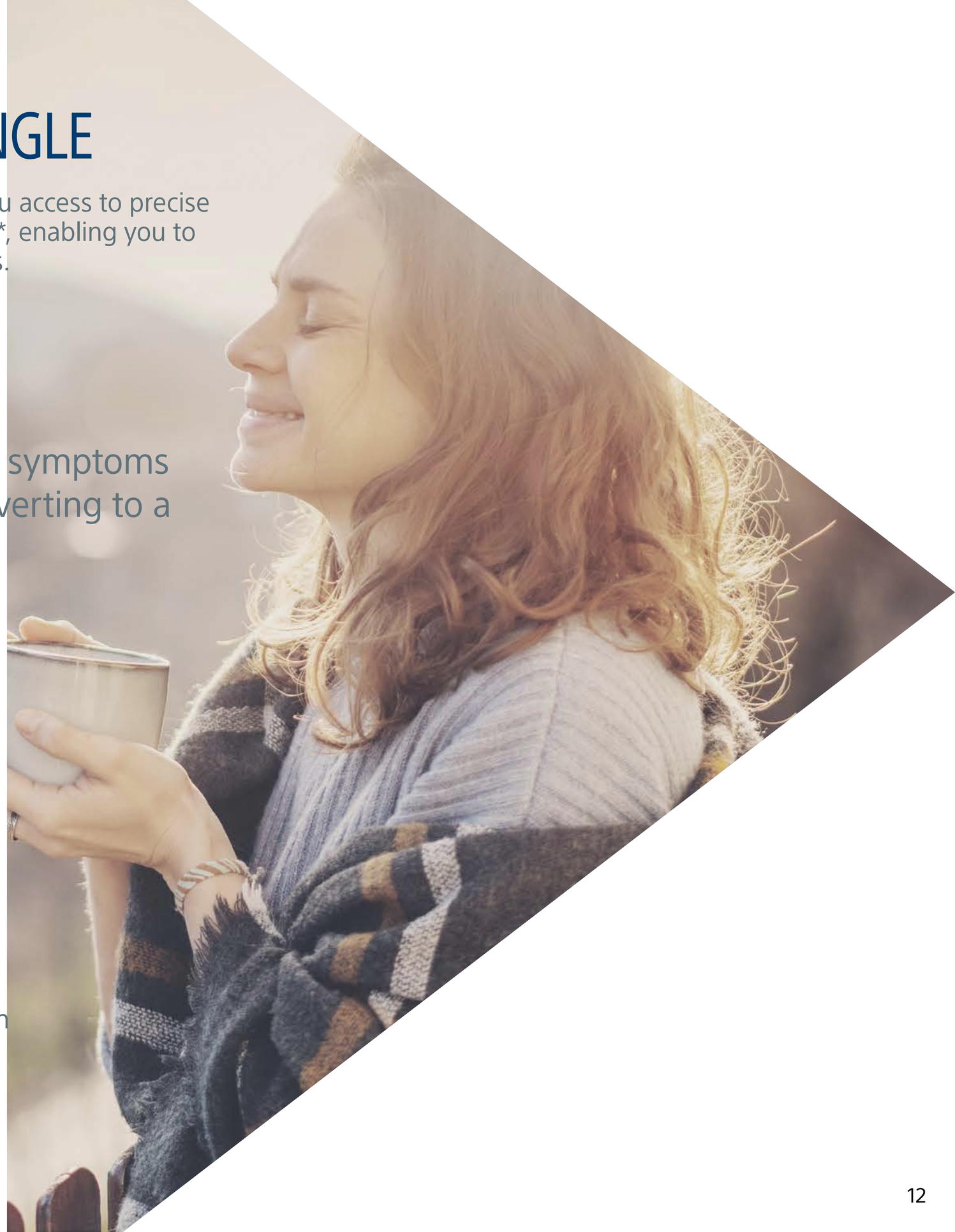
SEE DBS FROM EVERY ANGLE

Connecting to a Vercise Genus™ battery gives you access to precise stimulation control and more simulation options*, enabling you to personalise DBS therapy to each of your patients.

68%

of patients see an improvement in symptoms or reduction in side effects by converting to a Boston Scientific device (N=22)[7].

Offer more for your patients by switching to a Vercise Genus™ Deep Brain Stimulation (DBS) System to each of your patients.



1. Yu, X, *et al.* (2013). Characterizing rechargeable IPG charge cycle time in DBS. North American Neuromodulation Society (NANS) 2013.

2. Image Guided programming in PD patients enables a reduction in programming time compared with standard clinical based programming (p=39). Lange F, *et al.* Reduced Programming Time and Strong Symptom Control Even in Chronic Course Through Imaging-Based DBS Programming. Front Neurol. 2021 Nov 8;12:785529. N=10.

3. Vitek JL *et al.* Subthalamic nucleus deep brain stimulation with a multiple independent constant current-controlled device in Parkinson's disease (INTREPID): a multicentre, double-blind, randomised, sham-controlled study. Lancet Neurol. 2020 Jun;19(6):491-501. doi: 10.1016/S1474-4422(20)30108-3. Epub 2020 May 26. Erratum in: Lancet Neurol. 2020 Sep;19(9):e8. PMID: 32470421.

4. Okun MS *et al.* Real-World Outcomes in USA using DBS Systems with Directionality and Multiple Independent Current Control [Abstract]. Annual Meeting of the American Academy of Neurology, Boston, MA; April 22-27th, 2023. (n = 93 activesubjects).

5. Steffen JK *et al.* Bipolar Directional Deep Brain Stimulation in Essential and Parkinsonian Tremor. Neuromodulation. 2020 Jun;23(4):543-549. doi: 10.1111/ner.13109. Epub 2020 Feb 10. PMID: 32040883.

6. Kirsch, A. *et al.* Anodic versus cathodic neurostimulation of the subthalamic nucleus: A randomized-controlled study of acute clinical effects. Parkinsonism Relat. Disord. (2018).

7. Ojukwu DI, Wang AR, Hornbeck TS, Lim EA, Sharrard J, Dhall R, Buch VP, Halpern CH. Conversion to Hybrid Deep Brain Stimulation System to Enable Multi-Contact Fractionation Can be Therapeutic. Mov Disord. 2022 Apr 7. doi: 10.1002/mds.29007. Epub ahead of print. PMID: 35393689.

* Information for competitive devices excerpted from the literature published by Medtronic (M982261A015 Rev A, M017563C002 Rev A, M939241A051 Rev A, M927170A073 Rev A, M017562C002 Rev A, M982097A013 Rev A) and Abbott (ARTEN600150429 - B, ARTEN600102238 - A, ARTEN600266398 -A), and Schüpbach, Michael & Chabardes, Stephan & Matthies, Cordula & Pollo, Claudio & Steigerwald, Frank & Timmermann, Lars & Vandewalle, Veerle & Volkmann, Jens &Schuurman, P. (2017). Directional leads for deep brain stimulation: Opportunities and challenges. Movement Disorders. 32. 10.1002/mds.27096.

**The battery life is dependent on the stimulation settings and conditions.

***When comparing the volume of extension body (from receptacle to Y-junction) of one Boston Scientific 2x8 Contact Extension to two Boston Scientifc 8-Contact Lead Extensions of similar lengths." Before the MRI statement.

Steffen, J. K., Reker, P., Mennicken, F. K., Dembek, T. A., Dafsari, H. S., Fink, G. R., Visser-Vandewalle, V., & Barbe, M. T. (2020). Bipolar Directional Deep Brain Stimulation in Essential and Parkinsonian Tremor. Neuromodulation: Technology at the Neural Interface, 23(4), 543–549. DOI: 10.1111/ner.13109.

Reker, P., Dembek, T. A., Becker, J., Visser-Vandewalle, V., & Timmermann, L. (2016). Directional deep brain stimulation: A case of avoiding dysarthria with bipolar directional current steering. Parkinsonism & Related Disorders, 31, 156-158. https://doi.org/10.1016/j.parkreldis.2016.08.007.

Kirsch, A. D., Hassin-Baer, S., Matthies, C., Volkmann, J., & Steigerwald, F. (2018). Anodic versus cathodic neurostimulation of the subthalamic nucleus: A randomized-controlled study of acute clinical effects. Parkinsonism & Related Disorders, 55, 61-67. https://doi.org/10.1016/j.parkreldis.2018.05.015.

Boston Scientific (Vercise™ Neural Navigator 5 Software Programming Manual MP92736308-01).

Information for competitive devices accessed from https://www.medtronic.com/us-en/healthcare-professionals/products/neurological/deep-brain-stimulation-systems/sensight-lead.html accessed on Oct 4, 2023 and from the literature published by Abbott (ARTEN600150429 – B).

The Vercise Genus™ DBS System, Vercise Genus Mixed System with M8 Adapter, Vercise Gevia™ DBS System, and Vercise™ DBS Lead-only system (before Stimulator is implanted) provide safe access to full-body MRI scans when used with specific components and the patient is exposed to the MRI environment under specific conditions defined in the supplemental manual ImageReady™ MRI Guidelines for Boston Scientific DBS Systems.

 Results from different clinical investigations are not directly comparable. Information provided for educational purposes only.

The Vercise™ M8 Adapter is a 1 x 8 in-line connector that is designed to connect specific Medtronic® lead extensions to the Boston Scientific DBS System Stimulator, as part of a deep brain stimulation procedure. The Boston Scientific Vercise M8 Adapter is compatible with the following Medtronic Leads: Model 3387 Lead, Model 3389 Lead. The Boston Scientific Vercise M8 Adapter is compatible with the following Medtronic lead extensions Model 3708640 Extension, Model 3708660 Extension, Model 3708695 Extension, Model 3708540, Model 3708560, Model 3708595 Extension.

CAUTION: The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings, and instructions for use can be found in the product labelling supplied with each device or at www.IFU-BSCI.com. Products shown for INFORMATION purposes only and may not be approved or for sale in certain countries. This material not intended for use in France.

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