Precision™ Plus
Rechargeable Spinal Cord Stimulation System

Making life smoother™
Precisely Target Pain with the Precision™ Plus SCS System

SmoothWave™ Technology

The Power of Multiple Independent Current Control
Only the Precision Plus pulse generator has the ability to control the level of power delivered to simultaneously active contacts.*

The 16 sources that Precision Plus features, give physicians an unmatched power and flexibility in targeting complex pain syndromes, difficult to treat with conventional systems.

Impedance Happens. Precision Adjusts.
Impedance varies from contact to contact at time of implant. As patient scarring occurs, impedances change over time. Precision Plus is the ONLY SCS System that can automatically adjust to impedance changes to maintain therapy over time.°

Tightly Spaced Contacts
The percutaneous and surgical leads with tightly spaced contact arrays provide an excellent spatial resolution and allow for shift by 1% of electrical field which enables fine tuning the stimulation.

Joystick Control
There is no easier way to navigate the electrical field and resulting stimulation to the painful areas than by using a joystick. Moreover, the patient can use the joystick during programming to match paresthesia with painful areas: Patients know their pain best.

Bionic Navigator™
A user-friendly clinician programmer software that makes adjusting parameters of stimulation easy. It enables physicians to assess stimulation combinations at a suprathreshold level allowing for patient’s continuous feedback. Thousands of combinations can be tested in only minutes.

*Testing was performed by or on behalf of BSC, the data are on file at BSC and will be made available upon request

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EGL™ Scan Shows Relative Lead Position in Seconds

Only the Precision Plus SCS System offers EGL (Electronically Generated Lead) Scan™ Technology, an exciting proprietary technology that shows the relative position of two implanted leads. In conjunction with the Bionic Navigator™ software, physicians can use EGL™ Scan information to assess relative rostrocaudal lead migration.

Efficacy

- Efficient and accurate programming may result in sustained therapy.
- Maximize practice efficiency by minimizing the need for costly fluoro or x-ray.

The Precision Plus SCS System generates and measures electrical stimulation field potentials. These measurements are used to develop a spatial map that indicates the relative position of the contacts to one another. EGL Scan Technology is the only system to date that uses electrical stimulation field potentials to allow clinicians to visualize relative lead position without fluoro or x-ray.

Technology

- Show relative lead position without fluoro in seconds.
- In about 20 seconds, the results are displayed graphically on your Clinician Programmer.

EGL™ Scan measures Stimulation Field Potentials

The fluoroscopic images (Figures A and C) show different offsets between two leads. The SmoothWave Technology (Figures B and D) detected the offsets and displayed graphical representations of the lead offsets.

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Rechargeable Battery

Designed for Physician Convenience and Patient Comfort
Intended to reduce pocket pain, the Precision IPG has atraumatic, rounded edges and a volume of just 22cc. And with an implant depth of up to 2 cm, the Precision IPG offers TWICE the maximum recommended implant depth of similarly sized IPGs.
But patient comfort is about more than a small size, the Precision Plus IPG is designed to offer patient satisfaction with unsurpassed innovative features.

Precision™ Plus SCS System Uses the Proprietary Lithium-Ion Zero Volt™ Battery Technology, a Significant Advance in SCS Therapy.

Designed for Reliability
Precision Plus can be fully discharged or overdischarged several times without irrecoverably damaging its battery, providing confidence that Precision Plus will operate for years to come even with noncompliant patients.

Designed for Longevity
With an estimated battery life up to 25 years under certain stimulation parameters, Precision Plus potentially will reduce the need of replacements and surgeries for your patient.

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Cordless Charger: Ultimate Control for Safe Charging

The Precision™ Charger offers constant temperature monitoring to ensure safe and efficient charging. Discreet, lightweight, small and attractive – a perfect complement to Precision Plus SCS.

Designed for Reliability
Built-in thermistor maintains temperature within set range improving charging efficiency and safety.

Designed for Simplicity
Portable, cordless, lightweight, and small device to facilitate the charging process.
One touch operation to activate with automatic shut-off and signal to indicate the IPG charging is complete.

Technology Leadership
Simplicity of use for the patient, automatic search for alignment with stimulator to ensure efficiency during the charging period.
Continuous SCS therapy and temperature monitoring while the patient charges.

**MOST DISCREET AND MOBILE SYSTEM AVAILABLE**

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<th>STJ Eon®</th>
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¹ Charger connected to antenna via cord.

**COMFORTABLE AND SAFE**

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<th>Medtronic Restore</th>
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* Source: Medtronic Brochure „Recharging Systems: Restore® versus Precision™“
Convenient and user-friendly remote control
The Precision Remote Control provides patients with convenient wireless communication. This allows patients to simultaneously see the Remote Control screen, make changes to their stimulation and feel the changes in real-time.

- In seconds, patients can turn stimulation on or off, modify the intensity of their stimulation, or change programs to adjust the areas of stimulation.
- The Precision Remote Control is easy to learn and easy to use — with five large buttons and clear onscreen information. Patients can find the stimulation and program that provide the best comfort.
- Only Precision™ Remote Control allows patients to make real-time adjustments over a convenient wireless range of up to 60 cm to date.

The Precision™ Remote Control is easy to use and gives patients real-time control over their own therapy.

(c) Sources for Pulse Width Chart
3. STJ Eon Rechargeable IPG brochure, 00711.
Powerful and Long Lasting System

Precision Plus can deliver pulse widths up to 1.000 µs to date. Based on the therapy levels chosen by patients with implanted IPGs, other conventional systems may miss patient optimal coverage.

Retrospective “chart review” from 58 clinician programmers (467 patients)

Maintain therapy over time: Longest lasting system to date*
Using a single channel stimulation program, 98% of Precision™ IPGs would have an expected battery life of greater than 10 years, and 89% would have greater than 25 years.

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Projected battery life – Retrospective “chart review” from 58 clinician programmers (467 patients)
Therapeutic Areas of Treatment

Deep Brain Stimulation
Interventional Radiology
Interventional Cardiology
Cardiac Rhythm Management
Electrophysiology
Interventional Bronchoscopy
Pain Management
Gastroenterology
Women’s Health
Oncology
Urology
Peripheral Vascular

The Company

Boston Scientific is one of the world’s largest medical device companies dedicated to less-invasive therapies.

Our mission is to improve the quality of patient care and the productivity of health care delivery through the development and advocacy of less-invasive medical devices and procedures.

This is accomplished through the continuing refinement of existing products and procedures and the investigation and development of new technologies which can reduce risk, trauma, cost, procedure time and the need for aftercare.

Boston Scientific

Revenue: $ 7.6 billion in 2011
17 manufacturing facilities worldwide
Employees worldwide: 25,000
Sales force: more than 40 countries
More than 15,000 Patents issued worldwide
Portfolio of more than 13,000 products