

Global Spinal Cord Stimulation Market Report: 2016 Edition

<https://marketpublishers.com/r/GBAA0CC7789EN.html>

Date: May 2016

Pages: 47

Price: US\$ 800.00 (Single User License)

ID: GBAA0CC7789EN

Abstracts

Chronic pain is an unpleasant sense of discomfort that persists or progresses over a long period of time. A chronic back pain can be treated through spinal cord stimulation (SCS) therapy. It is a process that uses soft thin wires with electrical leads to be placed in the spinal column through needle so as to cure chronic back pain. This process doesn't eliminate the pain; it just interferes with the signals sent to the brain. The SCS surgery is performed in two stages: trial stimulation and permanent implantation.

Spinal cord stimulation therapy is used to reduce the pain signals that are sent to the brain through spinal cord which in return release pain relief chemicals. For this process, a spinal cord stimulator also known as dorsal column stimulator, is surgically placed under the skin to send a mild electrical current to the spinal cord. The process has its advantages and disadvantages.

The spinal cord stimulation (SCS) market is vast and remains relatively untouched with huge potential to treat widespread chronic back pain. The global SCS market is expected to increase in the coming years. The US has the chronic back pain prevalence with maximum number of addressable population and system implants.

The key factors driving the growth in the SCS market includes increasing adult population in the US, increasing demand for minimally invasive surgeries, innovation of new technologies & therapies, growing cases of obesity, and rise in ageing demographics. However, there are number of factors which are hindering the growth of the SCS market like high cost associated with therapy, tough regulatory approvals, and major reliance on traditional SCS therapy.

The report offers an in-depth analysis of the spinal cord stimulation market segmented

into global SCS and regional SCS market, covering the US and outside the US market. Competition in this market is rather concentrated with a few medical device companies dominating the market, through innovation. Medical companies that have been covered in the report include Medtronic Plc., Nevro Corporation, Boston Scientific, and St. Jude Medical.

Contents

1. MARKET OVERVIEW

- 1.1 Introduction
- 1.2 Electrical Stimulation
- 1.3 Spinal Cord Stimulator
- 1.4 Mechanism of SCS
- 1.5 Treatment by SCS
- 1.6 Advantages & Disadvantages
- 1.7 Risks Associated

2. GLOBAL MARKET

- 2.1 Global SCS Market by Value
- 2.2 Global SCS Market by Region
- 2.3 Global SCS Addressable Population
- 2.4 Global SCS System Implants Volume

3. REGIONAL MARKETS

- 3.1 The US
 - 3.1.1 The US Chronic Back Pain Prevalence
 - 3.1.2 The US Addressable SCS Population
 - 3.1.3 The US SCS Implant Systems Volume
 - 3.1.4 The US SCS Treatment by Indication
 - 3.1.5 The US SCS Market by Value
- 3.2 Outside the US
 - 3.2.1 Addressable SCS Population outside the US
 - 3.2.2 SCS Implant Systems Volume outside the US
 - 3.2.3 Rechargeable SCS Market Value outside the US
 - 3.2.4 SCS Market Value outside the US

4. MARKET DYNAMICS

- 4.1 Growth Drivers
 - 4.1.1 Increasing Adult Population in the US
 - 4.1.2 Increasing Demand for Minimally Invasive Surgeries
 - 4.1.3 Innovation of New Technologies & Therapies

- 4.1.4 Rising Global Healthcare Expenditure
- 4.1.5 Growing Cases of Obesity
- 4.1.6 Rise in Ageing Demographics
- 4.2 Trends
 - 4.2.1 Aspects of Choosing SCS Devices in the US
 - 4.2.2 Increasing Trial Units for SCS Placements in the US
 - 4.2.3 Advancements in Spine Therapies
 - 4.2.4 Rising Mergers & Acquisitions in SCS Market
- 4.3 Challenges
 - 4.3.1 Reliance on Traditional SCS Therapy
 - 4.3.2 Tough Regulatory Approvals
 - 4.3.3 High Costs Associated with Therapy

5. COMPETITIVE LANDSCAPE

- 5.1 Global SCS Market
 - 5.1.1 Global SCS Market Share
 - 5.1.2 Competition by SCS Technologies
- 5.2 The US SCS Market
 - 5.2.1 Competition by Market Share
 - 5.2.2 Competition by Volume Share
- 5.3 Competition outside the US
 - 5.3.1 Competition by Market Share
 - 5.3.2 Competition by Volume Share

6. COMPANY PROFILES

- 6.1 Nevro Corporation
 - 6.1.1 Business Overview
 - 6.1.2 Financial Overview
 - 6.1.3 Business Strategies
- 6.2 Medtronic Plc.
 - 6.2.1 Business Overview
 - 6.2.2 Financial Overview
 - 6.2.3 Business Strategies
- 6.3 Boston Scientific
 - 6.3.1 Business Overview
 - 6.3.2 Financial Overview
 - 6.3.3 Business Strategies

6.4 St. Jude Medical

6.4.1 Business Overview

6.4.2 Financial Overview

6.4.3 Business Strategies

List Of Charts

LIST OF CHARTS

Global Spinal Cord Stimulation (SCS) Market by Value (2014-2018E)

Global Spinal Cord Stimulation (SCS) Market by Region (2016E)

Global SCS Addressable Population (2014-2020E)

Global SCS System Implants Volume (2014-2018E)

The US Chronic Back Pain Prevalence (2014-2018E)

The US Addressable SCS Population (2014-2018E)

The US SCS Implant Systems Volume (2014-2018E)

The US SCS Treatment by Indication (2015)

The US SCS Market by Value (2014-2018E)

Addressable SCS Population outside the US (2014-2018E)

SCS Implant Systems Volume outside the US (2014-2018E)

Rechargeable SCS Market outside the US (2015-2020E)

The SCS Market Value outside the US (2014-2018E)

Increasing Adult Population in the US (2015-2020E)

Rising Global Health Care Expenditure (2008-2015E)

Growing Cases of Obesity (2010-2015E)

Worldwide Ageing Population 60 Years or Older (2000-2030E)

Aspects of Choosing SCS Devices (2015)

Increasing Trial Units in the US (2015-2020E)

Global SCS Comparative Market Share (2015/2018E)

The US SCS Market Share by Company (2016E)

The US SCS Volume Share by Company (2016E)

The SCS Market Share outside the US by Company (2016E)

The SCS Volume Share outside the US by Company (2016E)

Nevro Corporation Revenue by Region (2015)

Nevro Corporation Revenue and Net Loss (2012-2015)

Medtronic Revenue by Business Units (2015*)

Medtronic Revenue and Net Income (2011-2015*)

Boston Scientific Revenue by Business Segments (2015)

Boston Scientific Revenue by Region (2015)

Boston Scientific Revenue (2011-2015)

St. Jude Medical Revenue by Product (2015)

St. Jude Medical Revenue and Net Income (2011-2015)

List Of Tables

LIST OF TABLES

New Technologies & Therapies (2015)

Major Acquisitions in SCS Market (2015-2016)

Competitive SCS Technologies by Companies (2015)

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