

Bioelectronic Medicine Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented by Type (Implantable v/s Non-invasive), By Product (Implantable Cardioverter Defibrillators, Cardiac pacemakers, Cochlear implants, Spinal cord stimulators, Deep Brain Stimulators, Transcutaneous Electrical Nerve Stimulators, Sacral Nerve Stimulators, Vagus Nerve stimulators, Others), By Application (Arrhythmia, Pain Management, Sensorineural Hearing loss, Parkinson's disease, Tremor, Depression, Treatment-resistant depression, Epilepsy, Urinary and Fecal Incontinence, Others), By End User (Hospitals, Individual Users, Homecare Centers, Ambulatory Surgical Centers, Specialty Clinics, Others), By Region and Competition

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Abstracts

Global bioelectronic medicine market is anticipated to register a steady CAGR during the forecast period 2024-2028. This can be ascribed to the increasing demand for advanced healthcare products for the treatment of chronic disorders such as cardiovascular diseases and neurological disorders. Additionally, growing initiatives and investments by government organizations for developing new bioelectronic medicine have significantly increased the demand for the bioelectronic medicine market across different parts of the globe. Additionally, the growing adoption of new technology in the

healthcare sector has significantly increased, and increasing awareness about using new medicine such as pacemakers and defibrillators and the benefits of using these devices is further expected to increase the demand for the bioelectronic device, thereby fuelling the market growth through 2028. Furthermore, increasing the number of major key players in the market focus on developing new technology for the benefit of users is further expected to increase the demand for the bioelectronic device, thereby supporting market growth.

Growing Prevalence of Cardiovascular and Neurological Disorders

The increasing number of people suffering from various types of chronic diseases, such as cardiovascular diseases and neurological disorders, is expected to enhance the demand for the bioelectric medicine market during the forecast period. According to the Centers for Disease Control and Prevention, heart diseases are the main cause of death in the United States, one person dies every 34 seconds, and about 697,000 people die because of heart disease in the United States, which is equal to 1 in every five deaths. So, the growth of this population group will ensure that the need for the treatment of cardiovascular and neurological problems will expand over the years. Due to high blood pressure, high low-density lipoprotein cholesterol, diabetes, smoking, secondhanded smoke exposure, obesity, unhealthy diet, and physical inactivity increase the number of cardiovascular diseases, which is expected to enhance the demand for bioelectronic medicine during the forecast period.

Technological Advancements

The growing development of medical devices that help to target specific nerve fibers or brain circuits to treat different types of medical ailments can boost the market growth during the forecast period. It is used to diagnose and treat different types of chronic diseases, such as Parkinson's disease, major depressive disorder, and chronic pain. Technological innovations are making devices smaller and less invasive, along with companies bringing new applications into the market during the forecast period. Different type of bioelectronic medicine is available for the treatment of chronic diseases, such as a pacemaker and defibrillator so, which can reduce pain. This type of therapy can be used in the method of spinal cord stimulation and implantation, such as for the cochlea and retina. For instance, electroconvulsive therapies are used for the treatment of major chronic disorders, and this device-controlled electrical stimulation triggers a brief seizure which affects neurons in the brain.

In January 2021, Boston Scientific Corporation, a U.S.-based manufacturer of medical

devices, received authorization from the U.S. FDA for fourth generation Vercise Genus Deep Brain Stimulation (DBS) System. This device is equipped with Bluetooth enabled and rechargeable or non-rechargeable, preference by doctor and patient. It can be helpful for the treatment of Parkinson's disease by providing electrical impulses which lead to the brain and is connected to Implantable Pulse Generator.

Market Segmentation

The global bioelectronic medicine market can be segmented by type, product, application, end-user, and by region. Based on type, the market can be divided into implantable v/s non-invasive. Based on product, the market can be segmented into implantable cardioverter defibrillators, cardiac pacemakers, cochlear implants, spinal cord stimulators, deep brain stimulators, transcutaneous electrical nerve stimulators, sacral nerve stimulators, vagus nerve stimulators, and others. Based on application, the market can be differentiated into arrhythmia, pain management, sensorineural hearing loss, Parkinson's disease, tremors, depression, treatment-resistant depression, epilepsy, urinary and fecal incontinence, and others. Based on end-user, the market is split into hospitals, individual users, homecare centers, ambulatory surgical centers, specialty clinics, and others. On the basis of region, the market is divided into North America, Asia Pacific, Europe, Middle East & Africa, and South America, among which North America dominated the market. On the basis of country, the United States dominated the global bioelectronic medicine market on account of the increasing geriatric population along with an increase in the frequency of neurological and cardiovascular disorder problems in the country.

Market Players

Medtronic plc., Abbott Laboratories, Inc., Boston Scientific Corporation., Cochlear Ltd., LivaNova PLC., Soterix Medical Inc., Bioinduction Ltd., GiMer Medical., Cefaly., BioControl Medical. are some of the leading players operating in the Global Bioelectronic Medicine Market.

Report Scope:

In this report, the global bioelectronic medicine market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Bioelectronic Medicine Market, By Type:

Implantable

Non-invasive

Bioelectronic Medicine Market, By Product:

Implantable cardioverter defibrillators

Cardiac pacemakers

Cochlear implants

Spinal cord stimulators

Deep brain stimulators

Transcutaneous electrical nerve stimulators

Sacral nerve stimulators

Vagus nerve stimulators

Others

Bioelectronic Medicine Market, By Application:

Arrhythmia

Pain management

Sensorineural hearing loss

Parkinson's disease

Tremor

Depression

Treatment-resistant depression

Epilepsy

Urinary and fecal incontinence

Others

Bioelectronic Medicine Market, By End User:

Hospitals

Individual Users

Homecare Centers

Ambulatory Surgical Centers

Specialty Clinics

Others

Bioelectronic Medicine Market, By Region:

North America

United States

Canada

Mexico

Europe

France

Germany

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Bioelectronic Medicine Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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