High Intensity Focused Ultrasound (HIFU) Therapy Market Research Report - Global Forecast till 2023

Description:

High Intensity Focused Ultrasound (HIFU) Therapy Market Information: By Modality (Therapeutic Ultrasound, Hemostasis), By Method (Non-Invasive and Minimal-Invasive Method), By Application (Prostate Cancer, Uterine Fibroids, and others), By End Users (Diagnostic Centers, Hospitals, Research Centers) - Global Forecast till 2023

Market Scenario

High intensity focused ultrasound (HIFU) therapy kills cancer cells with high frequency sound waves. It can treat only a single tumor or a part of a large tumor and cannot be used to treat widespread tumors. Thus, the HIFU therapy is not suitable for the treatment of malignant tumor. This therapy is a novel, emergent and practices ultrasound waves that propagate through tissue media as energy carriers. HIFU therapy is a completely non-invasive technology that has great potential of tumor ablation, hemostasis, thrombolysis as well as targeted drug/gene delivery. The therapy is also used to treat prostate cancer using high frequency ultrasound energy. It is broadly used in the field of interventional oncology due to its non-invasiveness, sharp treatment margins, and low complication rates. Additionally, the use of the technology in combination of other therapeutic and diagnostic modalities, such as targeted drug/gene-delivery, robotic surgery, and molecular imaging is expected to grow and have a revolutionary clinical impact over the forecast period.

Rising prevalence of different types of cancers, especially, prostate cancer, kidney cancer, primary and secondary liver cancer, pancreatic cancer, and bladder cancer will boost growth of the market. According to the American Cancer Society, about 161,360 new cases of prostate cancer have been registered in the US in 2016. Moreover, increasing development in medical technology and its wide-range applications used in the treatment of uterine fibroids, neurological disorders, cosmetic medicine, others have fueled growth of the market.

On the other hand, high cost of the treatment and certain adverse effects are likely to restrain the market’s growth over the assessment period.

The global high intensity focused ultrasound (HIFU) therapy market is expected to grow at a CAGR of 7.8% during the forecast period 2017-2023.

FIGURE 1 Global High Intensity Focused Ultrasound (HIFU) Therapy Market, by Applications, 2016 (%)
Key Players in the Global High Intensity Focused Ultrasound (HIFU) Therapy Market

Some of the key players in this market are Image Guided Therapy, EDAP TMS, SonaCare Medical, LLC, Theraclin, Chongqing Haifu Medical Technology Co., Ltd, Koninklijke Philips N.V., Shanghai A&S Co. LTD, Mianyang Sonic Electronic Ltd., Insightec, Alpinion Medical Systems, and FUS Instruments.

Intended Audience
- High intensity focused ultrasound (HIFU) system/device supplies companies
- High intensity focused ultrasound (HIFU) system/device providers
- Research and development (R&D) companies
- Market research and consulting service providers
- Potential investors

Research Methodology

Segments
The global high intensity focused ultrasound (HIFU) therapy market is segmented on the basis of modality, which comprises of therapeutic ultrasound, hemostasis, lithotripsy, thrombolysis, immunomodulation, and others.

On the basis of the methods, the market is segmented into non-invasive method, and minimal invasive method.

On the basis of applications, the market is segmented into prostate cancer, uterine fibroids, neurological disorders, cosmetic medicine, and others.

On the basis of end users, the market is segmented into diagnostic centers, hospitals, research centers, and others.

Regional Analysis of the Global High Intensity Focused Ultrasound (HIFU) Therapy Market
The Americas accounts for the largest share in the global high intensity focused ultrasound (HIFU) therapy market. It includes North America and South America. North America dominates the market due to growing prevalence of cancers in this region, which is one of the major driving factors for the growth of high intensity focused ultrasound (HIFU) therapy market.

Europe is the second highest revenue generating region in the global HIFU therapy market. Europe is mainly consist of Eastern Europe and Western Europe. More developed countries of Western Europe such as Germany, France, and the UK are holding the major market share, whereas the Eastern European countries are also growing at a significant rate. Owing to developing healthcare infrastructure and increasing healthcare expenditure, and growing adoption of HIFU therapy for the treatment of cancers and related diseases drive the growth of the HIFU therapy market.

In Asia Pacific, increasing government support for research & development in healthcare domain, growing number of cancer cases drives the growth of the market.

The Middle East & Africa is expected to show a least market share due to less availability of medical facilities, and less development in healthcare domain.
5. Market Factor Analysis
5.1 Porter’s Five Forces Analysis
5.1.1 Bargaining Power of Suppliers
5.1.2 Bargaining Power of Buyers
5.1.3 Threat of New Entrants
5.1.4 Threat of Substitutes
5.1.5 Intensity of Rivalry
5.2 Value Chain
5.3 Investment Feasibility Analysis
5.4 Price Factor Analysis

6 Global High Intensity Focused Ultrasound (HIFU) Therapy Market, by Modality
6.1 Introduction
6.2 Therapeutic Ultrasound
6.3 Hemostasis
6.4 Lithotripsy
6.5 Thrombolysis
6.6 Immunomodulation
6.7 Others

7 Global High Intensity Focused Ultrasound (HIFU) Therapy Market, by Method
7.1 Introduction
7.2 Non-Invasive Method
7.3 Minimal Invasive Method

8 Global High Intensity Focused Ultrasound (HIFU) Therapy Market, by Application
8.1 Introduction
8.2 Prostate Cancer
8.3 Uterine Fibroids
8.4 Neurological Disorders
8.5 Cosmetic Medicine
8.6 Others

9 Global High Intensity Focused Ultrasound (HIFU) Therapy Market, by End User
9.1 Introduction
9.2 Diagnostic Centers
9.3 Hospitals
9.4 Research Centers
9.5 Others

10 Global High Intensity Focused Ultrasound (HIFU) Therapy Market, by Region
10.1 Introduction
10.2 Americas
10.2.1 North America
10.2.1.1 US
10.2.1.2 Canada
10.2.2 Latin America
10.3 Europe
10.3.1 Western Europe
10.3.1.1 Germany
10.3.1.2 France
10.3.1.3 UK
10.3.1.4 Italy
10.3.1.5 Spain
10.3.1.6 Rest of Western Europe
10.3.2 Eastern Europe
10.4 Asia Pacific
10.4.1 Japan
10.4.2 China
10.4.3 India
10.4.4 Republic of Korea
10.4.5 Australia
10.4.6 Rest of Asia Pacific
10.5 Middle East & Africa
10.5.1 United Arab Emirates
10.5.2 Saudi Arabia
10.5.3 Oman
10.5.4 Kuwait
10.5.5 Qatar
10.5.6 Rest of Middle East & Africa

11 Company Landscape
11.1 Introduction
11.2 Market share Analysis
11.3 Key Development & Strategies
11.3.1 Key Developments

12 Company Profiles
12.1 Image Guided Therapy
12.1.1 Company Overview
12.1.2 Product Overview
12.1.3 Financials
12.1.4 SWOT Analysis
12.2 EDAP TMS
12.2.1 Company Overview
12.2.2 Product Overview
12.2.3 Financial Overview
12.2.4 Key Developments
12.2.5 SWOT Analysis
12.3 SonaCare Medical, LLC
12.3.1 Company Overview
12.3.2 Product Overview
12.3.3 Financial Overview
12.3.4 Key Development
12.3.5 SWOT Analysis
12.4 Theraclion
12.4.1 Company Overview
12.4.2 Product/Business Segment Overview
12.4.3 Financial Overview
12.4.4 Key Development
12.4.5 SWOT Analysis
12.5 Chongqing Haifu Medical Technology Co., Ltd
12.5.1 Company Overview
12.5.2 Product Overview
12.5.3 Financial Overview
12.5.4 Key Developments
12.6 Koninklijke Philips N.V.,
12.6.1 Company Overview
12.6.2 Product Overview
12.6.3 Financial Overview
12.6.4 Key Developments
12.7 Alpinion Medical Systems
12.7.1 Overview
12.7.2 Product Overview
12.7.3 Financials
12.7.4 Key Developments
12.7.5 SWOT Analysis
13 MRF Conclusion
13.1 Key Findings
13.1.1 From CEO's View Point
13.1.2 Unmet Needs of the Market
13.2 Key Companies to Watch
13.3 Prediction of High Intensity Focused Ultrasound (HIFU) Therapy Industry
14 Appendix