

Global Robotic Surgery Market Report: 2016 Edition

<https://marketpublishers.com/r/GA9842F6E65EN.html>

Date: May 2016

Pages: 51

Price: US\$ 800.00 (Single User License)

ID: GA9842F6E65EN

Abstracts

Medical robotics is an advanced discipline within the field of robotics which involves the development of robots that can perform various medical tasks. It has the potential to relieve strain on many health care systems by automating tasks, freeing up health care workers. Medical robots can also be stand-ins for doctors and nurses for certain types of health care, such as triage in an emergency room. The application of robotic systems for surgery is a part of computer-integrated surgery systems, wherein the robot represents a single element of a larger system designed to assist a surgeon in carrying out a surgical procedure.

The key factors driving the growth of the robotic surgery market are growing ageing population, rising healthcare expenditure, rising incidence of chronic and infectious diseases, increasing demand for laparoscopic surgery and economic development. Some of the noteworthy trends and developments of this industry are introducing image guided laparoscope control, introduction of rehabilitation robotics, next generation devices, systems and instruments, new entrants to open up surgical robotics market, expanding use of robot in general surgery and rising demand for information technology. However, the expansion of global robotic surgery market is hindered by soft-tissue challenges, challenges of laparoscope control posed by surgeon-controlled surgical robots, regulatory risk and risks of robotic assisted surgery.

The report "Global Robotic Surgery Market" provides an in-depth analysis of the global robotics market, global market for medical robotics along with a focus on application of da Vinci system worldwide. The major trends, growth drivers as well as issues being faced by the industry are being presented in this report. The major players in the industry are also being profiled.

By combining SPSS Inc.'s data integration and analysis capabilities with our relevant findings, we have predicted the future growth of the industry. We employed various

significant variables that have an impact on this industry and created regression models with SPSS Base to determine the future direction of the industry. Before deploying the regression model, the relationship between several independent or predictor variables and the dependent variable was analyzed using standard SPSS output, including charts, tables and tests.

Contents

1. ROBOTIC SURGERY - AN INTRODUCTION

- 1.1 Medical Robotics
- 1.2 Robotic Surgery

2. DA VINCI SURGICAL SYSTEM - AN INTRODUCTION

- 2.1 Types of da Vinci Models

3. GLOBAL ROBOTICS SURGERY MARKET

- 3.1 Global Robotic Market by Segment
- 3.2 Global Robotic Market Growth Rate
- 3.3 Global Medical Robotics and Computer Assisted Surgery Market

4. DA VINCI SURGICAL SYSTEM

- 4.1 Global da Vinci Installed Base by Volume
- 4.2 Global da Vinci Installed Base Share by Region
- 4.3 Global Number of da Vinci Procedures
- 4.4 Number of Procedures – US Vs Outside US

5. THE US DA VINCI PROCEDURES

- 5.1 The US Gynecology Procedures
- 5.2 The US Urology Procedures
- 5.3 The US General Surgery Procedures

6. MARKET DYNAMICS

- 6.1 Growth Drivers
 - 6.1.1 Rising Demand for Laparoscopic Surgery
 - 6.1.2 Growing Demand for Minimally Invasive Surgery
 - 6.1.3 Colorectal Surgery & Hernia Repair Cases
 - 6.1.4 Rising Incidence of Chronic and Infectious Diseases
 - 6.1.5 Ageing Population Worldwide
 - 6.1.6 Rising Healthcare Expenditure

6.1.7 Accelerating Economic Growth

6.2 Market Trends

6.2.1 Robotic Surgeries on the Rise

6.2.2 Image Guided Laparoscope Control

6.2.3 Introduction of Rehabilitation Robotics

6.2.4 New Entrants to Open Up Surgical Robotics Market

6.2.5 Expanding Use of Robot in General Surgery

6.2.6 Rising Demand for Information Technology

6.3 Challenges

6.3.1 Soft-Tissue Challenges

6.3.2 Challenges of Laparoscope Control

6.3.3 Regulatory Risk

6.3.4 Risks of Robotic Surgery

7. COMPETITIVE LANDSCAPE

8. COMPANY PROFILES

8.1 Intuitive Surgical, Inc.

8.1.1 Business Overview

8.1.2 Financial Overview

8.1.3 Business Strategies

8.2 Accuray, Inc.

8.2.1 Business Overview

8.2.2 Financial Overview

8.2.3 Business Strategies

8.3 Hansen Medical, Inc.

8.3.1 Business Overview

8.3.2 Financial Overview

8.3.3 Business Strategies

9. MARKET OUTLOOK

9.1 Market Forecast

9.2 Forecast Methodology

9.2.1 Dependent and Independent Variables

9.2.2 Correlation Analysis

9.2.3 Regression Analysis

List Of Charts

LIST OF CHARTS

Global Robotic Surgery Market - 2016

Charts

Classification of Medical Robotics

Information Flow in Robotic Surgery

Cost of Robotic Models/Platforms (Q22014-Q12015)

Global Robotic Market by Segment (2000-2025E)

Global Robotic Market Growth Rate - CAGR (2000-2025)

Global Medical Robotics and Computer Assisted Surgery Market (2010-2015)

Global da Vinci Installed Base by Volume (2008-2015)

da Vinci Installed Base – The US vs. International (Q310-Q315)

Global da Vinci Installed Base Share by Region (2015)

Global Number of da Vinci Procedures (2010-2015)

Number of Procedures – US vs. International (2011-2016E)

The US Gynecology Procedures (2011-2016E)

The US Urology Procedures (2011-2016)

The US General Surgery Procedures (2011-2016E)

Global Ageing Population (2006-2015E)

Global Healthcare Expenditure (2007-2015E)

Global GDP Growth (2007-2015E)

Robotic Penetration – Total Surgeries (2015-2025E)

Robotic Penetration - Colorectal Procedures (2015-2020E)

Robotic Penetration - Hernia Procedures (2015-2020E)

Intuitive Surgical's Revenues by Business Segment (2015)

Intuitive Surgical's Revenues by Business Segment (2015)

Intuitive Surgical's Revenues and Net Income (2011-2015)

Accuray's Revenues by Region (2015)

Accuray's Revenues by Region (2015)

Accuray's Revenues (2011-2015)

Hansen Medical's Revenues Business Segment (2015)

Hansen Medical's Revenues (2011-2015)

Global Medical Robotics and Computer Assisted Surgery Market Forecast
(2014-2019E)

List Of Tables

LIST OF TABLES

Application of Medical Robotics
Applications of Robotic Surgery
Comparison among Various da Vinci Platforms
Comparison of ISRG da Vinci Xi System with TransEntrix ALF-X System
Dependent & Independent Variables (2011-2015)
Correlation Matrix
Model Summary – Coefficient of Determination
Regression Coefficients Output

I would like to order

Product name: Global Robotic Surgery Market Report: 2016 Edition

Product link: <https://marketpublishers.com/r/GA9842F6E65EN.html>

Price: US\$ 800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA9842F6E65EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970