

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.

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