

Abdominal Surgical Robot Market Shares, Strategies, and Forecasts, Worldwide, 2017 to 2023

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Abstracts

WinterGreen Research announces that it has published a new study Abdominal Surgical Robots: Market Shares, Strategy, and Forecasts, Worldwide, 2017 to 2023. The 2017 study has 524 pages, 202 tables and figures. Worldwide Abdominal Surgical Robot markets are expected to achieve significant growth as robots replace open surgery in treatment of abdominal disease conditions. Visualization of the surgical site is improving, giving surgeons better insight into the surgical site. The robots permit a more accurate and steadier cutting than is possible with open surgery.

Treatment via a robotic approach to abdominal surgery is useful for benign and malignant gynecologic conditions. Urologic and abdominal disease conditions are being treated increasingly with robotic surgery. Challenges still exist at a systems level. Implementation of a robotic program has a long learning curve. Resistance by surgeons on the team who are not adept at using the systems, quality of life, and financial challenges are being addressed in the industry. Challenges arise because of high capital expense, and organizational challenges continue to exist on an ongoing basis.

This is being addressed as more surgeons are trained and gain experience in the market. The world market for abdominal surgical robots is at \$2.9 billion in 2017. The Robotic surgery equipment industry revenue is projected to increase to \$12.9 billion by 2022. Robotic surgery equipment continues to comprise a fast-growing segment of the medical device industry. Demand for the less invasive procedure is high among patients and doctors. The number of procedures and disposable instruments increases.

Existing open surgery is set to be replaced by robotic-assisted surgery. Young surgeons have steady hands, but even the greatest surgeons have off days and they age. As this happens, the advantages of the robot are evident because the hand is steady every

time with the robot.

During a robot assisted surgical procedure, the patient-side cart is positioned next to the operating table with the electromechanical arms arranged to provide access to the initial ports selected by the surgeon.

Technologies for abdominal robotic surgery applications has had growing adoption and commercialization. These technologies work in solving surgical approaches to many gynecology, urology, and general surgical issues. Robotic surgical procedures have reached a level of market acceptance that proves their value. Market saturation is a distance away, the industry is still in its infancy.

The technology available is becoming more sophisticated in order to overcome hurdles. The objectives of overcoming the limitations of fixed port access, limited dexterity, and limited visualization remain. The industry leader, the only company with a commercial footprint, within the robotic surgical market is Intuitive Surgical, Inc. (NASDAQ: ISRG), maker of the da Vinci® Surgical System.

According to Susan Eustis, lead author of the team that prepared the study, “Growing acceptance of minimally invasive surgery and robotic surgery is because the robotic surgery provides an improvement over current surgical techniques. Open surgery is a difficult thing. Demand for less invasive procedures is coming as patients realize the benefits of quality of care from robotic surgery. Patients feel better after robotic surgery and the surgeries are more likely to be successful.”

The worldwide market for abdominal surgical robots at \$2.7 billion in 2016 grows to \$15.8 billion by 2023. The complete report provides a comprehensive analysis of abdominal surgical robots in different categories, illustrating the diversity of uses for devices in surgery. A complete procedure analysis is done, looking at numbers of procedures and doing penetration analysis.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, and Thompson Financial. It conducts its business with integrity.

The increasingly global nature of science, technology and engineering is a reflection of

the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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