

Uterine Manipulation Devices Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 112 pages | Mordor Intelligence

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Report description:

The uterine manipulator devices market is expected to witness a CAGR of 5.8% during the study period, 2022-2027.

The COVID-19 pandemic was a challenge for healthcare providers across the world as due to the high infectivity of SARS-CoV-2, the resources were diverted for the care of COVID-19 patients which affected the healthcare services other than COVID-19 which also affected the uterine manipulator devices market. For instance, according to the research study published in October 2021, titled "Analysis of COVID-19 Response and Impact on Gynecologic Surgery at a Large Academic Hospital System", during the height of the pandemic, many patients had considerable delays in accessing gynecologic surgical care, and 942 gynecologic cases were performed in 2020 versus 1,545 cases in 2019 (a 39.0% drop). Hence, COVID-19 is expected to have a significant impact on the uterine manipulator devices market. However, with the declining cases of COVID-19, the market is expected to regain its full potential over the forecast period.

The factors propelling the studied market growth are the growing burden of diseases related to the female reproductive system, increasing technological advancements, and rising demand for minimally invasive surgical procedures. Common diseases related to the female reproductive system are endometriosis, cervical cancer, uterine fibroids, interstitial cytositis, and polycystic ovary syndrome, among others. According to February 2022 update by World Health Organization, cervical cancer is the fourth most common cancer among women globally, with an estimated 604,000 new cases and 342,000 deaths in 2020. About 90% of the new cases and deaths worldwide in 2020 occurred in low- and middle-income countries.

According to an article published by endometriosis.org in March 2021, endometriosis affects an estimated 1 in 10 women during their reproductive years, usually between the ages of 15 to 49, which is approximately 176 million women in the world. Thus, the high prevalence of endometriosis will increase the demand for hysterectomy procedures, thereby driving the demand for uterine

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manipulation devices, thus propelling the market growth.

Additionally, the research and development procedures establishing the efficacies of the intrauterine manipulator will increase its adoption, thereby contributing to the significant growth of the market. For instance, the study "Uterine manipulator in total laparoscopic hysterectomy: safety and usefulness," published in December 2020, suggested that uterine manipulator provides support in cases of large uteri, severe endometriosis, recto vaginal adhesions, and regional anesthesia. Thus, the expanded scope of these devices will increase their adoptability, thus driving the market. However, some of these devices and stringent regulations regarding product approvals are expected to restrain the market growth during the study period.

Uterine Manipulation Devices Market Trends

Total Laparoscopic Hysterectomy Segment is Expected to Account for the Largest Market Share During the Forecast Period

Total Laparoscopic Hysterectomy (TLH) is the removal of the uterus and cervix through four small (1/2'- 1') abdominal incisions. This procedure may also include the removal of the ovaries and tubes, depending on the patient. TLH is performed to treat diseases of the uterus, such as fibroids, pelvic pain infection in ovaries and vaginal tubes, abnormal vaginal bleeding, and others.

The factors such as the growing burden of these diseases and growing research and development studies are expected to boost the market growth. For instance, according to the research study published in August 2021, titled "Uterine Fibroids: Assessing Unmet Needs from Bench to Bedside", smooth muscle tumors called leiomyomas, sometimes known as uterine fibroids, develop from the myometrium and using ultrasound detection, around 30%-35% of women will be identified as having fibroids, but it is predicted that more than 70% of women will do so by age 50 in the United States. Also, as per the same source, in the US, 25% of women with uterine fibroids will have symptoms bad enough to need medical attention. Hence, the high prevalence of fibroids among women is expected to increase the hysteroscopy procedures and uterine manipulators, as that is used in these procedures, thus driving the market.

Additionally, rising research studies proving the efficacy and safety of using uterine manipulators during TLH procedures will increase its adaptability, which will also contribute to market growth. For instance, according to the study "Total Laparoscopic Hysterectomy with a Newly Designed Uterine Manipulator (Halder's): Safety, Efficacy and Perforation Prevention" published in April 2020, the Halder's uterine manipulator is an easy, smart and simple option to do TLH, which reduces the complications and have more favorable operative outcomes. This manipulator can be used by inexperienced persons at the vaginal end, thus, positively impacting the market growth. The study "Laparoendoscopic Single Site Hysterectomy: Literature Review and Procedure Description," published in April 2021, suggests that intra-uterine manipulator permits a better exposure of the pelvic field, helping the surgeon by exposing the correct surgical planes of the operative field. Thus, added advantages of uterine manipulators during TLH procedures will fuel the market growth. Thus, owing to the above-mentioned factors, the studied market is expected to grow significantly during the study period.

North America is Expected to Hold a Significant Share in the Market Over the Forecast Period

The primary driving factors for the growth of the North American uterine manipulator market are the rising burden of female reproductive system diseases such as cervical cancer, endometriosis, and others, rising demand for minimally invasive surgeries, and rising technological advancements.

The United States within North America contributes to significant growth in the studied market. The rising burden of these diseases in the country will boost the market. For instance, according to a January 2022 update by the American Cancer Society, approximately 14,100 new cases of invasive cervical cancer will be diagnosed in 2022 in the country, with estimated 4,280 women deaths from the disease. Thus, the high prevalence and mortality rate associated with cervical cancer will boost its early

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treatment, thereby driving the demand for uterine manipulator devices as they are used for addressing cervical cancer, thus boosting the market.

The rising research and development studies in the market will also boost the market growth. For instance, a prospective, multicenter, randomized non-inferiority phase III study was initiated in May 2021 to evaluate if patients undergoing a minimally invasive surgery for early-stage uterine cancer have cancer cells in the fluid that is obtained at the time of their surgery when a uterine manipulator is placed versus patients who do not have a uterine manipulator placed. Such studies will help in evaluating the efficacy and safety of uterine manipulators, which can boost their adaptability; therefore, such studies might contribute to market growth.

The article "For Early-Stage Cervical Cancer, Minimally Invasive Surgery Declining," published by National Cancer Institute in May 2021, suggested that uterine manipulators are used during minimally invasive procedures to improve the surgeon's ability to access and visualize the uterus and surrounding structures. Thus, as uterine manipulators assist surgeons during minimally invasive surgeries, the demand for the same is expected to grow during the study period, which will propel the market growth. Hence, owing to the above-mentioned factors, the studied market is expected to grow during the forecast period.

Uterine Manipulation Devices Market Competitor Analysis

The uterine manipulation devices market is moderately competitive owing to the presence of several market players. Some of the key players in the market are Conkin Surgical Instrument Ltd., CooperSurgical Inc., B. Braun Melsungen AG, KARL STORZ GmbH & Co. KG, CONMED Corporation, and others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Market Drivers
 - 4.2.1 Growing Burden of Diseases Related to Female Reproductive System
 - 4.2.2 Technological Advancements and Rise in Surgical Procedures
- 4.3 Market Restraints
 - 4.3.1 Stringent Regulations Regarding Product Approvals
 - 4.3.2 High Cost of Procedures
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Threat of New Entrants
 - 4.4.2 Bargaining Power of Buyers/Consumers

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- 4.4.3 Bargaining Power of Suppliers
- 4.4.4 Threat of Substitute Products
- 4.4.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION (Market Size by Value - USD Million)

- 5.1 By Application
 - 5.1.1 Total Laparoscopy Hysterectomy (TLH)
 - 5.1.2 Laparoscopic Supracervical Hysterectomy (LSH)
 - 5.1.3 Laparoscopically Assisted Vaginal Hysterectomy (LAVH)
 - 5.1.4 Sacrocolpopexy
 - 5.1.5 Other Applications
- 5.2 By Product Type
 - 5.2.1 Donnez Type Uterine Manipulators
 - 5.2.2 Tintara Type Uterine Manipulators
 - 5.2.3 Clermont -Ferrand Type Uterine Manipulators
 - 5.2.4 Hohl Type Uterine Manipulators
 - 5.2.5 Advincola Arch Type Uterine Manipulators
- 5.3 By End User
 - 5.3.1 Hospitals
 - 5.3.2 Specialized Gynecology Clinics
 - 5.3.3 Ambulatory Surgical Centers
- 5.4 Geography
 - 5.4.1 North America
 - 5.4.1.1 United States
 - 5.4.1.2 Canada
 - 5.4.1.3 Mexico
 - 5.4.2 Europe
 - 5.4.2.1 Germany
 - 5.4.2.2 United Kingdom
 - 5.4.2.3 France
 - 5.4.2.4 Italy
 - 5.4.2.5 Spain
 - 5.4.2.6 Rest of Europe
 - 5.4.3 Asia-Pacific
 - 5.4.3.1 China
 - 5.4.3.2 Japan
 - 5.4.3.3 India
 - 5.4.3.4 Australia
 - 5.4.3.5 South Korea
 - 5.4.3.6 Rest of Asia-Pacific
 - 5.4.4 Middle East
 - 5.4.4.1 GCC
 - 5.4.4.2 South Africa
 - 5.4.4.3 Rest of Middle East
 - 5.4.5 South America
 - 5.4.5.1 Brazil
 - 5.4.5.2 Argentina

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5.4.5.3 Rest of South America

6 COMPETITIVE LANDSCAPE

6.1 Company Profiles

6.1.1 Conkin Surgical Instrument Ltd.

6.1.2 CooperSurgical Inc.

6.1.3 B. Braun Melsungen AG

6.1.4 KARL STORZ GmbH & Co. KG

6.1.5 CONMED Corporation

6.1.6 RUDOLF Medical GmbH + Co. KG

6.1.7 Richard Wolf GmbH

6.1.8 Utah Medical Products, Inc.

6.1.9 Purple Surgical

6.1.10 Clinical Innovations, LLC

6.1.11 Bissinger Medizintechnik

6.1.12 LSI Solutions, Inc.

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

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