

DOWNLOAD PDF SURGICAL TECHNIQUES IN OBSTETRICS AND GYNAECOLOGY

Chapter 1 : PubMed Journals will be shut down | NCBI Insights

This well-illustrated, highly practical, how-to book covers all of the basic principles of operating in the pelvic region. Readers will find a back-to-basics approach to both obstetrics and gynecology that focuses on standard procedures such as hysterectomy and laparoscopy.

Advances in Obstetrics and Gynecology FDA warns against use of laser-type devices for vaginal cosmetic improvement or treatment of genitourinary symptoms of menopause, Microinsert for hysteroscopic sterilization to be removed from the US market in , Safety of pregnancy termination by type of outpatient facility, Post discharge opioid requirements after surgery, Choice of transvaginal apical prolapse repair, Risk of occult malignancy at hysterectomy , Incidence of gender-affirming surgery among inpatients with transsexualism or gender identity disorder, Adverse outcomes associated with hysteroscopy sterilization , Ovulation induction in polycystic ovary syndrome: Letrozole is preferred agent July , Maternal subclinical hypothyroidism and childhood neurodevelopmental outcomes etc are recent advances in obstetrics and gynecology. These include cervical cancer, endometriosis, fibroids, ovarian cancer, pelvic masses, uterine cancer, vaginal cancer and vulvar cancer. At the point when these malignancies were analyzed at their initial stages, the treatment will be more efficient. Case Report There we kept two case report of gynaecology cancer , 1 year-old female was diagnosed with ovarian cancer in March Following gynecological surgery , pathological evaluation showed stage IIIC epithelial ovarian cancer. The patient developed abdominal distension and experienced a gradual deterioration in health during , with admission to The First Affiliated Hospital in May She is an immigrant from South Africa who has lived in the United States for 6 years and has not had regular health care. Her past medical history is notable for hypertension and osteoarthritis. She takes no medications. She is married with six children; her husband is a long-haul truck driver. Her first sexual contact was at age 15, and she has had five partners in her lifetime. She has been smoking one pack of cigarettes per day for the last 31 years. She reports vaginal spotting after intercourse , which she thinks is related to vaginal dryness after menopause. Gynecologic Surgery Gynecological surgery refers to surgery on the female reproductive system. Gynecological surgery is usually performed by gynecologists. It includes procedures for benign conditions, cancer, infertility, and incontinence. Gynecological surgery may occasionally be performed for elective or cosmetic purposes. If you need treatment for fibroids, ovarian cysts, endometriosis or other gynecologic conditions, minimally invasive gynecologic surgery may be a good option. Performed by specially trained surgeons, this advanced procedure often causes less pain, leave smaller scars, heal more quickly and carry a lower risk of infection. The global gynecology devices market size was valued at USD 8. Gynecological Endocrinology Reproductive endocrinology is a surgical subspecialty of obstetrics and gynecology that trains physicians in reproductive medicine addressing hormonal functioning as it pertains to reproduction as well as the issue of infertility. A gynecological endocrinologist, more commonly called a reproductive endocrinologist, is a doctor who specializes in the treatment of disorders related to fertility , menstruation and menopause. The global infertility treatment market is expected to rise at a CAGR of Health-Related Behaviours and Changes in Women Behavioural health is stated as the issues that can have a different outcome by changing behaviour. For example, giving up smoking can lessen the illnesses or Health Problems associated with cigarette smoking as discussed in many gynecologic conferences and gynecologic meetings worldwide. Many health conditions are caused by risk behaviours, such as, smoking, reckless driving, problem drinking, substance use, overreacting, or unprotected sexual intercourse. Fortunately, human beings have control over their conduct. Health-compromising behaviours can be eradicated by self-regulatory efforts and health enhancing behaviours that can be adopted such as preventive nutrition, physical exercise, weight control, dental hygiene, and condom use or accident prevention. Infertility Infertility is the inability of a person, animal or plant to reproduce by natural means. The fertility market in the US consists of fertility drugs and assisted reproductive technology ART services segments. Increasing fertility issues among the

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ageing population , rising disposable income, growing adoption of fertility services by homosexual couples, and augmented support from the US federal government are some of the major factors that will impel growth in this market during the forecast period. The global infertility treatment market is expected to rise at a CAGR of 9. Family Planning Family planning as defined by the United Nations and the World Health Organization encompasses services leading up to conception and does not promote abortion as a family planning method, although levels of contraceptive use reduce the need for abortion. Family planning is sometimes used as a synonym or euphemism for access to and the use of contraception. However, it often involves methods and practices in addition to contraception. Some birth control methods use hormones. They will have either both an estrogen and a progestin or a progestin alone. Age related, the incidence rises sharply from 50 years of age with the highest incidence in those years and higher incidence in men of Afro-Caribbean descent. Surgery is the main treatment for penile cancer where the tumours are very small this may be laser surgery or cryosurgery. Global revenues for the urological cancer market are forecast to grow at a Compound Annual Growth Rate of Menopause The menopause is when a woman stops having periods and is no longer able to get pregnant naturally. Menopause is the process through which a woman ceases to be fertile or menstruate. It is a normal part of life and is not considered a disease or a condition. In the UK, the average age for a woman to reach the menopause is 5. Midwifery Midwifery, also known as obstetrics, is the health science and the health profession that deals with the reproductive genecology that includes pregnancy, childbirth, and the postpartum period besides sexual and reproductive health of women throughout their lives. Midwifery-led continuity of care is where one or more midwives have the primary responsibility for the continuity of care for childbearing women, with a multidisciplinary network of consultation and referral with other healthcare providers. The actual duties of the midwife in obstetrics and genecology associates categories include antiquity consisted mainly of assisting in the birthing process, although they may also have helped with other medical problems relating to women when needed. These midwives are registered nurses who have completed a nationally accredited graduate level program of study approved by the Accreditation Commission of Midwifery Education to become midwives. These midwives are not required to have health backgrounds before studying midwifery. They achieve certification in midwifery through a different national exam, given by the North American Registry of Midwives. Reproductive Medicine Reproductive medicine is a branch of medicine that deals with prevention, diagnosis and management of reproductive problems ; goals include improving or maintaining reproductive health and allowing people to have children at a time of their choosing. It is founded on knowledge of reproductive anatomy , physiology, and endocrinology, and incorporates relevant aspects of molecular biology , biochemistry and pathology. Europe is expected to emerge as a leading revenue contributor by , with growth supported by the growing prevalence of infertility and rising demand for medical tourism. The fertility services market is expected to reach USD 9. Sexual and Reproductive Health and Rights Sexual and reproductive health and rights or SRHR is an interpretation of human rights applied to sexuality and reproduction. Reproductive rights rest on the recognition of the basic right of all couples and individuals to decide freely and responsibly the number, spacing and timing of their children and to have the information and means to do so, and the right to attain the highest standard of sexual and reproductive health. Women Reproductive Cancers Cancers can occur in any part of the female reproductive system –the vulva, vagina, cervix, uterus, fallopian tubes, or ovaries. These cancers are called gynecologic cancers. There are different risk factors that can increase the chances of developing female reproductive cancers. Having a risk factor does not mean that you will develop cancer. Some risk factors cannot be changed, such as age, family history , and your genetic makeup, while others are related to factors in the environment that may cause cancer. Some risk factors can be changed through your health habits. According to the report, global ovarian cancer market was valued at approximately USD 1. Ultrasound and Genetics Genetic Ultrasound also referred to as Genetic Sonography , is a technique in which physical features of the fetus are examined to detect whether there are at increased risk for Down syndrome, or other chromosomal abnormalities. In addition to Down syndrome, Genetic Ultrasound identifies other birth defects such as spinal Bifida. There are various

kinds of ultrasound which can be done during pregnancy namely Transvaginal Ultrasound, 3-D Ultrasound, 4-D Ultrasound and Fetal Echocardiography. Assisted reproductive technology ART has enabled millions of infertile couples worldwide to have children. ART refers to the manipulation of eggs, sperm and embryos outside the body in order to achieve a pregnancy. The most common complication of ART is multiple pregnancies. Intrauterine insemination IUI , which involves only the manipulation of sperm, is considered by some but not all as a type of ART. Abortion and Women Health An abortion is the termination of a pregnancy. A person can choose the abortion pill , given at the clinic, or they may choose the procedure performed at the clinic. First trimester abortion is considered minor surgery. The risk of complications for the woman increases with advancing gestational age. Unknown or uncommon causes account for the remaining 20 percent of deaths relating to pregnancy. Women who have chronic severe diseases are at greater risk of death than are healthy women. Ethical Legal and Social Issues Over the past decade, many ethical, legal, and social implications ELSI associated with genetic testing and researches have been raised. In order for genetic testing to be used safely and appropriately, these issues should be discussed with patients so that they are aware of risks and benefits. Genetic information is routinely used to inform reproductive decisions and medical care. Several issues regarding test validity should be considered prior to ordering a genetic test. When considering genetic testing, a major concern often raised is the potential for discrimination based on genetic information. To protect patients from additional distress, health care providers should be aware of the relevant ethical, legal, and social issues related to genetics in health care. Prenatal Diagnosis of Chromosomal Abnormalities Prenatal diagnosis of chromosomal anomalies employs a variety of techniques either as a screening procedure for relatively prevalent disorders or as a diagnostic procedure for known familial conditions. There are a variety of non-invasive and invasive techniques available for prenatal diagnosis. Each of them can be applied only during specific time periods during the pregnancy for greatest utility. The most common reason for prenatal diagnosis of chromosome abnormalities is to look for evidence of trisomies, Turner syndrome and triploidy. Screening technology held the majority of the market share with USD Polycystic ovaries contain a large number of harmless follicles that are up to 8mm in size. PCOS is also associated with an increased risk of developing health problems in later life, such as type 2 diabetes and high cholesterol levels. The global polycystic ovarian syndrome treatment market size was valued at USD 3. The global polycystic ovarian syndrome treatment market is expected to reach USD 5. Thus, early diagnosis and effective treatment are significant for a successful recovery. IUDs are one form of long-acting reversible birth control. The arms of the frame hold the IUD in place near the top of the uterus. Hormonal IUDs brand names Mirena, Skyla, Kyleena, and Liletta; referred to as intrauterine systems in the UK work by releasing a small amount of levonorgestrel, a progestin. Cosmetic Gynecology Cosmetic gynaecology aims to make improvements to either the physical appearance or function of the vagina and labia; in many cases, both goals are accomplished simultaneously. A vaginoplasty procedure focuses on reducing the width of the vagina. Labiaplasty addresses the size and shape of the labia or the folds of skin that frame the opening of the vagina, a labiaplasty procedure may remove excess skin from both sides of the labia to reduce overall size, or from only one side to correct an asymmetry.

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Chapter 2 : Robotic surgery in gynecology

On Jul 1, Janet M. Boulton published: Surgical Techniques in Obstetrics and Gynaecology For full functionality of ResearchGate it is necessary to enable JavaScript. Here are the instructions.

The text is divided into thirty-four sections, each section dealing with a specific problem and containing diagnosis and treatment; no prognosis is suggested. Treatments are non surgical, comprising applying medicines to the affected body part or swallowing them. The womb is at times seen as the source of complaints manifesting themselves in other body parts. Aristotle is another strong source for medical texts from the 4th century BC with his descriptions of biology primarily found in History of Animals, Parts of Animals, Generation of Animals. He was the chief representative of the school of physicians known as the "Methodists". Marion Sims is widely considered the father of modern gynaecology. While performing these surgeries he invited men physicians and students to watch invasive and painful procedures while the women were exposed. On one of the women, named Anarcha, he performed 13 surgeries without anesthesia. Physicians and students lost interest in assisting Sims over the course of his backyard practice, and he recruited other enslaved women, who were healing from their own surgeries, to assist him. This drawing by Jacques-Pierre Maygrier shows a "compromise" procedure, in which the physician is kneeling before the woman but cannot see her genitalia. Modern gynaecology no longer uses such a position. In some countries, women must first see a general practitioner GP; also known as a family practitioner FP prior to seeing a gynaecologist. If their condition requires training, knowledge, surgical procedure, or equipment unavailable to the GP, the patient is then referred to a gynaecologist. In the United States, however, law and many health insurance plans allow gynaecologists to provide primary care in addition to aspects of their own specialty. As in all of medicine, the main tools of diagnosis are clinical history and examination. Gynaecological examination is quite intimate, more so than a routine physical exam. It also requires unique instrumentation such as the speculum. The speculum consists of two hinged blades of concave metal or plastic which are used to retract the tissues of the vagina and permit examination of the cervix, the lower part of the uterus located within the upper portion of the vagina. Gynaecologists typically do a bimanual examination one hand on the abdomen and one or two fingers in the vagina to palpate the cervix, uterus, ovaries and bony pelvis. It is not uncommon to do a rectovaginal examination for complete evaluation of the pelvis, particularly if any suspicious masses are appreciated. Male gynaecologists may have a female chaperone for their examination. Diseases Examples of conditions dealt with by a gynaecologist are: Cancer and pre-cancerous diseases of the reproductive organs including ovaries, fallopian tubes, uterus, cervix, vagina, and vulva.

Chapter 3 : Obstetrics and Gynecology - CSurgeries

Developing surgical expertise in obstetrics and gynaecology / Frank Loeffler Clinical governance in obstetrics and gynaecology: risk management and consent / Vincent Argent and Catherine Elliott -- 3.

Rupa Find articles by B. This article has been cited by other articles in PMC. It has been rapidly adopted and it has already assumed an important position at various centers where this is available. It comprises of three components: In this review we have discussed various robotic-assisted laparoscopic benign gynecological procedures like myomectomy, hysterectomy, endometriosis, tubal anastomosis and sacrocolpopexy. A PubMed search was done and relevant published studies were reviewed. Surgeries that can have future applications are also mentioned. At present most studies do not give significant advantage over conventional laparoscopic surgery in benign gynecological disease. However robotics do give an edge in more complex surgeries. The conversion rate to open surgery is lesser with robotic assistance when compared to laparoscopy. For myomectomy surgery, Endo wrist movement of robotic instrument allows better and precise suturing than conventional straight stick laparoscopy. The robotic platform is a logical step forward to laparoscopy and if cost considerations are addressed may become popular among gynecological surgeons world over. The Stanford Research Institute along with defense department developed Da Vinci System initially so that surgeons sitting remotely from the battlefield could perform tele-surgery on wounded soldiers. However, today robotic surgery is done by the surgeon sitting close to the patient usually in the same operating room on a ergonomically designed console, viewing the surgical field in a 3D vision and manipulating the wristed laparoscopic instruments through the masters and foot pedals. Da Vinci Surgical System comprises of three components: Articulating surgical instruments are mounted on the robotic arms, which are introduced into the body through cannula. The adoption of robot-assisted laparoscopic surgery into gynecologic practice in the past 6 years has been remarkable. The US FDA approved the system for gynecological conditions in based on preliminary evidence of safety and efficacy from their early experience with myomectomy and hysterectomy at the University of Michigan. The advantages of this robotic technique are smaller incisions, leading to lower morbidity, less postoperative pain and shorter hospital stays which are similar to any minimally invasive surgery. However, robotics do seem to have an edge in highly complicated procedures when extensive dissection and proper anatomy reestablishment is required. The Endo Wrist technology allows surgical maneuvers that are similar to open surgical techniques, thus making it easy for surgeons with less advanced laparoscopic skills to learn and perform difficult tasks like intra corporeal suturing and knot-tying. It poses a relatively short learning curve, even though the case number required to reach proficiency may be actually closer to cases. The use of robotic assistance in laparoscopy is slowly becoming popular because this technology has enabled surgeons to overcome difficulties of conventional laparoscopy while allowing patients to benefit from minimally invasive surgery. The purpose of this article is to highlight the acceptance of robotic surgeries in various gynecological procedures and review the current literature. Recent peer-reviewed literature describing robotic-assisted laparoscopic procedures are included in this review like myomectomy, hysterectomy, endometriosis, tubal anastomosis, and sacrocolpopexy. Some other emerging areas of robotic surgery are also briefly reviewed. In [4] demonstrated that the same operation could be done via laparoscopic techniques. Robotic myomectomy was developed and embraced by surgeons based on the success endoscopic surgery had already achieved. Since robotic platform provides various advantages, especially to those surgeons with limited or with no laparoscopic experience especially in suturing techniques. The reason for the popularity and acceptance of robotic myomectomy is due to the fact that myomectomy is a suture-intensive surgery and assistance with robotic arms makes suturing simple and easy. Robotic myomectomy guarantees a procedure that is as effective as a classic open myomectomy. Robotic assisted surgery is as safe and acceptable as a laparoscopic operation. The mean diameter of fibroids was 7. The conversion rate from robotic to laparotomy was 8. However when compared with conventional laparoscopies, although there is less blood

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loss and a shorter hospital stay, the operative time is longer vs min. Additionally with large myomas there is inadequate counter traction due to insufficient torque during enucleation and this can be a significant challenge during myomectomy. In such cases hybrid robotic myomectomy is useful in completing the surgery in a minimally invasive way. Myomas that are more than 10 cms and are beyond pelvis, deep intramural myomas or highly vascular myomas are best approached by hybrid method. The advantage of this technique is that it preserves tactile sensation as large myomas are heavy and surrounded by delicate tubes and every attempt should be made to preserve the tubal function. Rigid not articulated myoma screw and suction cannula exerts significant pull at every angle with the benefit of haptic feedback without risk of equipment damage. It is also effective in manipulation outside the pelvis and into the upper abdominal quadrants. The pregnancy outcomes following robotic assisted myomectomies are similar to the open surgery. The pseudo capsule surrounding the fibroid is a fibro-neurovascular structure composed of a neurovascular network rich in neurofibers separating it from normal peripheral myometrium [Figure 1]. The fibroid pseudo capsule is similar to the neurovascular bundle surrounding a prostate. Intra capsular myomectomy preserves the neurovascular bundle and neurotransmitters surrounding fibroids. This helps in better healing of myometrium, minimal adhesion and good postoperative scar integrity. The authors propose that intra capsular myomectomy should always be recommended to maximize the potential for future fertility and to minimize the risk of labor dystocia or uterine rupture during subsequent pregnancy.

Chapter 4 : William H. Parker, MD - Obstetrics & Gynecology | UC San Diego Health

Surgical Techniques in Obstetrics and Gynaecology This well-illustrated, highly practical, how-to book covers all of the basic principles of operating in the pelvic region. Readers will find a back-to-basics approach to both obstetrics and gynecology that focuses on standard procedures such as hysterectomy and laparoscopy.

Chapter 5 : Obstetrics & Gynecology (The Green Journal) - ACOG

Surgical Techniques in Obstetrics and Gynaecology *Surgical Techniques in Obstetrics and Gynaecology* Boulton, Janet M. The layout of this book is clear, with a helpful list of contents for each section and chapter to aid the reader in finding their way round quickly.

Chapter 6 : Obstetrics and Gynecology Archives - Medical ebooks pdf

Eitan completed his Residency in Obstetrics and Gynecology at the Shaare Zedek Medical Center in Jerusalem, Israel and his Gynecologic Oncology Fellowship on the Gynecology Service, Department of Surgery at Memorial Sloan-Kettering Cancer Center in New York, NY, USA.

Chapter 7 : Gynaecology - Wikipedia

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