

Advancements in Endometriosis Treatments

Research Prompt

"What are the most promising treatments for endometriosis?"

Contents

[Search results](#)

- [Understanding Endometriosis](#)
- [Current Treatment Options for Endometriosis](#)
 - [Pain Management](#)
 - [Hormonal Therapies](#)
 - [Surgical Interventions](#)
- [Emerging and Promising Treatments](#)
 - [Immunotherapy](#)
 - [Targeted Therapies](#)
 - [Alternative and Complementary Treatments](#)

Search Results

Understanding Endometriosis

Search terms:

- *Causes of endometriosis*
- *Definition of endometriosis*
- *Symptoms of endometriosis*

Causes of endometriosis

Relevant Excerpt	Citation Source
It is still not clear why this happens. There are various theories about what causes endometriosis. Several factors probably play a role....	What causes endometriosis? - InformedHealth.org - NCBI Bookshelf (nih.gov)
... The etiology of the disease remains unclear. It is believed that a variety of immunological, genetic, hormonal, and environmental factors may be responsible for the development of endometriosis. Surgical confirmation of the presence of endometrial tissue outside the uterus is necessary for the diagnosis of endometriosis....	The influence of selected food ingredients on the reduction of the risk of endometriosis: a literature review (semanticscholar.org)
... Endometriosis can be diagnosed based on clinical symptoms and radiology imaging findings, but can only be confirmed via surgery. What Causes Endometriosis? The exact cause of endometriosis is unknown, but there are several theories that explain how and why endometriosis happens. One theory of endometriosis origin is called coelomic metaplasia, in which cells in the body outside of the uterus can undergo changes to become cells that line the uterus....	Endometriosis Symptoms & Treatment - OBGYN UCLA Health (uclahealth.org)
... They are most often found: On or under the ovaries On the fallopian tubes, which carry egg cells from the ovaries to the uterus Behind the uterus On the tissues that hold the uterus in place On the bowels or bladder In rare cases, the tissue may grow on your lungs or in other parts of your body. What causes endometriosis? The cause of endometriosis is unknown. Who is at risk for endometriosis?...	Endometriosis Endo MedlinePlus (medlineplus.gov)
... What causes endometriosis? The cause of endometriosis is unknown. Who is at risk for endometriosis? Endometriosis can affect anyone who menstruates....	

Relevant Excerpt	Citation Source
	Endometriosis Endo MedlinePlus (medlineplus.gov)

Definition of endometriosis

Relevant Excerpt	Citation Source
... At Islington Acupuncture we are committed to offering effective alternatives to the limited choices of conventional medicine offered to women with endometriosis. What is endometriosis? It is where tissue like that in the lining of the womb grows elsewhere in the body - often around the reproductive organs, bowel and bladder....	Acupuncture for Endometriosis Islington Acupuncture (islingtonacupuncture.com)

Symptoms of endometriosis

Relevant Excerpt	Citation Source
... Period pain is part of the picture, but the range of symptoms shows that endometriosis is a more complex disease and is felt at different times throughout the cycle. What are the symptoms of endometriosis? Pain in your lower abdomen or back - usually worse during your period but also at other times in the cycle....	Acupuncture for Endometriosis Islington Acupuncture (islingtonacupuncture.com)
... Known as endometrial implants, they grow and bleed in response to hormones. Symptoms of endometriosis include pelvic pain, heavy periods, pain during sex, back pain, nausea, and more. In this article, learn about possible herbal remedies for endometriosis, whether they work, and what the medical treatment options are....	Can herbal remedies relieve endometriosis symptoms? (medicalnewstoday.com)
Primary symptoms of endometriosis are endometriosis-related pain and infertility. The conventional treatment of endometriosis involves surgery and hormonal drugs, with short term benefits and high rates of rates of symptom recurrence (or return).In China, treatment of endometriosis using CHM is routine....	Cochrane Review Brief: Chinese Herbal Medicine for Endometriosis (semanticscholar.org)
... 14 A significant finding by Dr. Dan Martin was that microscopic endometriosis was present in normal appearing peritoneum in a high percentage of patients . 10, 15 Symptoms of endometriosis are pelvic pain, dysmenorrhea, dyspareunia, dyschezia (pain with defecation) and infertility. 6 The pain of endometriosis appears to be inversely proportional to the amount of disease found by laparoscopy....	HELICA *-A Revolutionary New Surgical Treatment for Early Stage Endometriosis (semanticscholar.org)
Endometriosis most commonly occurs in the lower abdomen or pelvis, but it can appear anywhere in the body. Symptoms of endometriosis include: lower abdominal pain pain with menstrual periods pain with sexual intercourse	Endometriosis Symptoms & Treatment - OBGYN UCLA Health (uclahealth.org)

Relevant Excerpt	Citation Source
difficulty getting pregnant. On the other hand, some women with endometriosis may not have any symptoms at all....	

Current Treatment Options for Endometriosis

- [Pain Management](#)
- [Hormonal Therapies](#)
- [Surgical Interventions](#)

Pain Management

Search terms:

- *Medications for endometriosis pain*
- *Non-pharmacological pain management for endometriosis*

Medications for endometriosis pain

Relevant Excerpt	Citation Source
... Pharmacological treatment Some pharmacological treatment options include : Nonsteroidal anti-inflammatory drugs (NSAIDs): These drugs improve the pain symptoms associated with endometriosis. These drugs improve the pain symptoms associated with endometriosis. Combined hormonal contraceptives: These drugs stop the growth of the endometrium, which is the layer of tissue that lines the uterus....	Can excision surgery help with endometriosis? (medicalnewstoday.com)
... Non-steroidal anti-inflammatory medications, like ibuprofen, may help with the pain associated with endometriosis. Medications that control a woman's hormones may also help with endometriosis pain. Some examples are hormonal contraceptives like pills, patches, rings, and progestin IUDs or GnRH analogs....	Endometriosis Symptoms & Treatment - OBGYN UCLA Health (uclahealth.org)
... Your provider will work with you to decide which treatments would be best for you. Treatments for endometriosis pain include: Pain relievers , including nonsteroidal anti-inflammatory drugs (NSAIDS) such as ibuprofen and a prescription medicine specifically for endometriosis. Providers may sometimes prescribe opioids for severe pain. , including nonsteroidal anti-inflammatory drugs (NSAIDs) such as ibuprofen and a prescription medicine specifically for endometriosis....	Endometriosis Endo MedlinePlus (medlineplus.gov)
... Treatments for endometriosis pain include: Pain relievers , including nonsteroidal anti-inflammatory drugs (NSAIDs) such as ibuprofen and a prescription medicine specifically for endometriosis. Providers may sometimes prescribe opioids for severe pain. , including nonsteroidal anti-inflammatory drugs (NSAIDs) such as ibuprofen and a prescription medicine specifically for endometriosis. Providers may sometimes prescribe opioids for severe pain....	Endometriosis Endo MedlinePlus (medlineplus.gov)

Hormonal Therapies

Search terms:

- *Birth control pills for endometriosis*
- *Gonadotropin-releasing hormone (GnRH) agonists for endometriosis*

Birth control pills for endometriosis

Relevant Excerpt	Citation Source
... Read on to learn about birth control for endometriosis and how they work. How does birth control treat endometriosis? Endometriosis involves various reproductive hormones....	Birth Control for Endometriosis: How It Treats Symptoms (healthline.com)
... If this happens, doctors can try other types of endometriosis treatment. Which type of birth control is best for endometriosis? Birth control affects people in different ways, so there is no best type that will suit everyone....	Birth control for endometriosis: Types and how they work (medicalnewstoday.com)
... Endometriosis involves various reproductive hormones. Birth control is used to treat endometriosis by targeting some of these hormones. This includes gonadotropin releasing hormone, or GnRH, and estrogen....	Birth Control for Endometriosis: How It Treats Symptoms (healthline.com)
... Since GnRH causes estrogen to rise, this treatment also reduces estrogen levels. Is there a best type of birth control for endometriosis? When treating the symptoms of endometriosis with birth control, there are several types to choose from....	Birth Control for Endometriosis: How It Treats Symptoms (healthline.com)
... With each menstrual cycle, this tissue swells and then breaks down, causing significant pain. Birth control is one type of hormonal therapy that doctors can prescribe for endometriosis. It is often the first-line treatment and works best in people who do not have severe symptoms....	Birth control for endometriosis: Types and how they work (medicalnewstoday.com)

Gonadotropin-releasing hormone (GnRH) agonists for endometriosis

Relevant Excerpt	Citation Source
... These drugs also stop the growth of the endometrial tissue and inhibit ovulation. Gonadotrophin-releasing hormone (GnRH) analogs: These hormone-targeting drugs decrease endometriosis-related symptoms. These hormone-targeting drugs decrease endometriosis-related symptoms....	Can excision surgery help with endometriosis? (medicalnewstoday.com)
GnRh agonists are drugs used in various gynecological pathologies, among which is endometriosis. They act by stimulating GnRh receptors in the pituitary gland....	GnRh agonists as precipitating components of psychiatric pathology. A case report. (semanticscholar.org)
... Like other hormonal birth control methods, it can help relieve endometriosis symptoms. Non-Contraceptive Medications for Endometriosis Gonadotropin-releasing hormone (GnRH) receptor antagonists are non-contraceptive medications designed to treat endometriosis. They cause your body to produce less estrogen and preventing the body from making some of the hormones responsible for ovulation....	Best Birth Control for Endometriosis Relief (verywellhealth.com)
... Possible side effects include: irregular bleeding tender breasts acne abdominal bloating fluid retention mood changes/depression nausea/vomiting dizziness tiredness weight gain. Gonadotrophin-releasing hormone analogues (GnRHa) GnRHa treatment is usually used for moderate to severe endometriosis....	Management & treatment of endometriosis Jean Hailes (jeanhailes.org.au)
... After 1.5 years, the patient remained asymptomatic, the treatment improving the quality of life. In selected cases, GnRH agonists remains an effective treatment for recurrent symptoms of endometriosis, especially if administered early after surgical therapy.	The use of GnRH agonists in deep endometriosis after conservative surgery - case report (semanticscholar.org)

Surgical Interventions

Search terms:

- *Excision surgery for endometriosis*
- *Laparoscopic surgery for endometriosis*

Excision surgery for endometriosis

Relevant Excerpt	Citation Source
... The procedure also aims to repair damage to organs and other sites that endometriosis may have affected. Excision surgery may be suitable for people with moderate to severe endometriosis and those experiencing pain, infertility, and heavy periods due to endometriosis. The surgery may also be suitable for people with endometriosis that is unresponsive to pharmacological treatment or where pharmacological treatment is not appropriate. Excision surgery procedure Excision surgery involves cutting out the endometrial tissue that has grown outside the uterus....	Can excision surgery help with endometriosis? (medicalnewstoday.com)
... Some examples are hormonal contraceptives like pills, patches, rings, and progestin IUDs or GnRH analogs. Excision surgery can diagnose and treat endometriosis by removing lesions. Sometimes fulguration, or ablation, of lesions is appropriate also, but research shows that excisional surgery is the most effective surgical approach....	Endometriosis Symptoms & Treatment - OBGYN UCLA Health (uclahealth.org)
... Fortunately, there is another option. Excision of endometriosis is the technique by which the disease is removed by cutting it out. There are many ways to accomplish this- some use lasers, some use cautery, some use robots - the tools that a surgeon uses to facilitate excision really don't matter, but what does is that all disease is removed entirely no matter where it is....	What is excision of endometriosis? Pacific Endometriosis and ... (pacificendometriosis.com)
... Treatment options may include pain relief medication, hormone therapy, surgery, or a combination. This article discusses excision surgery and whether it can help treat endometriosis. Excision surgery Share on Pinterest Capifrutta/Getty Images Excision surgery is a minimally invasive surgical procedure that involves removing the endometrial tissue that has grown outside the uterus....	Can excision surgery help with endometriosis? (medicalnewstoday.com)
... On this page: Medications range from pain relief drugs (such as paracetamol and anti-inflammatories), to hormonal treatments that suppress ovulation and periods. Surgery can be used to remove or destroy the endometriosis. The most common surgery approach is laparoscopy (key-hole surgery)....	Treating endometriosis The Royal Women's Hospital (thewomens.org.au)

Laparoscopic surgery for endometriosis

Relevant Excerpt	Citation Source
... When the endometriosis affects non-gynecological organs like the bowels, additional surgical specialists often participate in the operation. Advancements in laparoscopic surgery over the past few decades have enabled this procedure to be ideally suited for endometriosis, Dr. Peters says. Some endometriosis lesions are extremely small and may be clear in color, making them too challenging to see with conventional, open surgery....	Excision Surgery: An Effective Treatment for Endometriosis You've ... (everydayhealth.com)
... (95% CI -1.22 to 1.22, P = 1.00, 1 RCT, 103 participants, low quality evidence). Authors' conclusions: There is moderate quality evidence that laparoscopic surgery to treat mild and moderate endometriosis reduces overall pain and increases live birth or ongoing pregnancy rates.	Laparoscopic surgery for endometriosis (nih.gov)
Endometriosis can be diagnosed by the medical practitioners with the help of traditional scanning procedures. Laparoscopic surgery is the authentic method for identifying the advanced stages of endometriosis. The statistical approach is a state-of-art method for identifying the various stages of endometriosis using laparoscopic images....	Symptoms based endometriosis prediction using machine learning (semanticscholar.org)
... This minimally invasive procedure is the most common approach to endometriosis surgery. Endometriosis laparoscopic surgery treats mild to severe cases by skilled surgeons trained in this method. During the procedure, they'll make a small incision in your abdomen so they can insert a tiny tube with a camera (laparoscope) through it....	Endometriosis Surgery: Procedures, Recovery & Results (clevelandclinic.org)
... Endometriotic lesions are commonly found in all of these areas. Laparoscopy also allows for treatment of endometriosis lesions during the same surgical procedure. Treatment There is currently no cure for endometriosis....	Surgical Treatment of Endometriosis: Excision and Destruction (brighamandwomens.org)

Emerging and Promising Treatments

- [Immunotherapy](#)
- [Targeted Therapies](#)
- [Alternative and Complementary Treatments](#)

Immunotherapy

Search terms:

- *Immune modulators for endometriosis*
- *Immunotherapy for endometriosis*

Immune modulators for endometriosis

Relevant Excerpt	Citation Source
... This article aimed to review the effects of existing immunomodulators on the development of endometriosis, including immune cell regulators and immune factor regulators. These immunomodulators clinically or experimentally inhibit the pathogenesis and development of endometriosis lesions by acting on the immune cells, immune factors, or immune-related signaling pathways. Thus, immunotherapy is probably a novel and effective clinical treatment choice for endometriosis....	Immunotherapy: A promising novel endometriosis therapy (semanticscholar.org)
... However, information regarding the clinical application of immunotherapy in the treatment of endometriosis is very limited. This article aimed to review the effects of existing immunomodulators on the development of endometriosis, including immune cell regulators and immune factor regulators. These immunomodulators clinically or experimentally inhibit the pathogenesis and development of endometriosis lesions by acting on the immune cells, immune factors, or immune-related signaling pathways....	Immunotherapy: A promising novel endometriosis therapy (semanticscholar.org)
... This endometriotic tissue development is dependent on estrogen produced primarily by the ovaries and partially by the endometriotic tissue itself and, therefore, hormonal management is traditionally used. In light of the body of evidence suggesting an immunological component to the pathophysiology of endometriosis, the anti-inflammatory agent pentoxifylline has been proposed as an alternative therapeutic agent. A Cochrane systematic review and meta analysis was performed....	O-134 Cochrane review on the effect of pentoxifylline for endometriosis (semanticscholar.org)

Immunotherapy for endometriosis

Relevant Excerpt	Citation Source
... These immunomodulators clinically or experimentally inhibit the pathogenesis and development of endometriosis lesions by acting on the immune cells, immune factors, or immune-related signaling pathways. Thus, immunotherapy is probably a novel and effective clinical treatment choice for endometriosis...	Immunotherapy: A promising novel endometriosis therapy (semanticscholar.org)
... Such immunosuppressive mechanism in endometriosis facilitates endometrial cells escape from immunosurveillance, promote adhesion at ectopic site, induce pathological angiogenesis and stimulate proliferation. Immunotherapy targeting on the immunosuppressive cells, cytokines and molecular signaling pathways provide novel strategies for treatment of endometriosis...	Immunosuppression and immunotherapy in endometriosis: review of ... (sciencedirect.com)
... This relationship suggests that immune suppression could play a role in not only suppressing the spread of endometriosis but possibly reversing the damage caused by the disease. During the previous two decades, numerous immunomodulating agents have been tested for efficacy in the treatment of endometriosis...	Use of immunomodulators to treat endometriosis - ScienceDirect (sciencedirect.com)
... Accumulating evidence suggests that the onset and development of endometriosis are closely related to the abnormal function of the female autoimmune system, especially the function of some immune cells such as the aggregation of neutrophils, abnormal differentiation of macrophages, decreased cytotoxicity of NK cells, and abnormal function of T- and B-cell lines. Therefore, immunotherapy is probably a novel therapeutic strategy for endometriosis besides surgery and hormone therapy. However, information regarding the clinical application of immunotherapy in the treatment of endometriosis is very limited....	Immunotherapy: A promising novel endometriosis therapy (semanticscholar.org)
... Likewise, "hormone-balancing" natural treatments such as Vitex do not do much, if anything, for endometriosis. The future of endometriosis treatment is immune treatment. Causes of immune dysfunction in endometriosis Researchers are still debating whether endometriosis is, in fact, an autoimmune disease....	Immune Treatment for Endometriosis (larabriden.com)

Targeted Therapies

Search terms:

- *Anti-angiogenic agents for endometriosis*
- *Targeted therapies for endometriosis*

Anti-angiogenic agents for endometriosis

Relevant Excerpt	Citation Source
... In summary, antiangiogenic agents inhibited the growth of explants in an in vivo model of endometriosis by disrupting the vascular supply, and this effect is likely to apply to the human disease. These findings suggest that antiangiogenic agents may provide a novel therapeutic approach for the treatment of endometriosis.	Antiangiogenic Agents Are Effective Inhibitors of Endometriosis (semanticscholar.org)
... Microvessel density determined using the counting of CD31 and CD105p microvessels and the vascular endothelial growth factor (VEGF) and soluble tyrosinekinase receptor expressions were statistically modified by the use of bevacizumab and sorafenib but not by the retinoic acid administration. The results of this study are in line with the previous investigations showing that the administration of antiangiogenic agents (TNP470, endostatin, anginex, and anti-human VEGF antibody) significantly decreases the angiogenic response of induced endometriosis, thus reducing the establishment, maintenance, and progression of these endometriosis-like lesions in animal models. However, the most common aim of treating endometriosis is not preventing the development of new endometriotic lesions....	Antiangiogenic Drugs in the Treatment of Endometriosis (semanticscholar.org)
... Several open-label studies show that aromatase inhibitors are effective in reducing lesion size and alleviating pelvic pain in patients with endometriosis refractory to other treatment modalities. Literature reviewed shows that the antiangiogenic agents seem to be more beneficial in treating early-stage disease, and some research has been done on vascular disrupting agents (VDAs) to potentially treat advanced endometriosis. Vascular disrupting agents, currently in phase I and II clinical trials for cancer treatments, operate by inducing apoptosis of endothelial cells in existing blood vessels....	Newer treatment modalities in endometriosis: systematic review (semanticscholar.org)
... The representative of functional VEGF polymorphisms, -2578A/C, +405G/C, -460T/C and +936C/T, have an effect upon VEGF gene promoter activity and result in an increase of VEGF levels. And several experiments show the management of antiangiogenic agents, such as antihuman vascular endothelial growth factor (anti-hVEGF), can effectively inhibit the development of endometriosis...	The Role of Vascular Endothelial Growth Factor in Pathogenesis and Treatment of Endometriosis (semanticscholar.org)
... For the little number of included studies, we did not conduct meta-regression. In summary, it can be concluded that anti-VEGF/VEGFR agents may be beneficial in the treatment of endometriosis. VEGF, as a key mediator of angiogenesis, its	Efficacy of Anti-VEGF/ VEGFR Agents on

Relevant Excerpt	Citation Source
biological effects are primarily mediated through 2 high-affinity receptors on the surface of microvascular endothelial cells, i.e., VEGFR-1 and VEGFR-2....	Animal Models of ... (plos.org)

Targeted therapies for endometriosis

Relevant Excerpt	Citation Source
... Especially in patients with chronic pelvic pain that needs long-term or repeated treatment,GnRHa and add back therapy have more important position. In addition,aromatase inhibitors and immunotherapy are in development,which are expected to be potent therapies of refractory endometriosis.	Medical treatment for refractory endometriosis. (semanticscholar.org)
... Gonadotrophin-releasing hormone (GnRH) analogs: These hormone-targeting drugs decrease endometriosis-related symptoms. These hormone-targeting drugs decrease endometriosis-related symptoms. Danazol: This androgen drug reduces endometriosis-related symptoms....	Can excision surgery help with endometriosis? (medicalnewstoday.com)

Alternative and Complementary Treatments

Search terms:

- *Acupuncture for endometriosis*
- *Herbal remedies for endometriosis*

Acupuncture for endometriosis

Relevant Excerpt	Citation Source
... Your timeline for treatment may vary based on your needs and the practitioner you choose. Does acupuncture work for endometriosis? There's no definitive answer to the question about acupuncture working for endometriosis....	Does Acupuncture for Endometriosis Work? (healthline.com)
Acupuncture could be an effective treatment for endometriosis and may relieve pain. Our aim in the present study was to determine the effectiveness of acupuncture as a treatment for endometriosis-related pain....	Effects of acupuncture for the treatment of endometriosis-related pain: A systematic review and meta-analysis (semanticscholar.org)
... Western medicine recognizes acupuncture as a method to stimulate: muscles nerves connective tissue It may help to: increase blood flow reduce inflammation cause endorphins to be released In addition to this, acupuncturists and traditional Chinese medicine practitioners recognize acupuncture as a potential method to balance the body's qi (energy or life force). There are times when acupuncture may be considered as part of a treatment plan for endometriosis. Here's how that can work....	Does Acupuncture for Endometriosis Work? (healthline.com)
... The primary advantages include various treatment methods, simple administration, minimal adverse reactions, and having no impact on the intrauterine environment. This study aims to elucidate the role of acupuncture in treating pain associated with endometriosis. Methods: The authors will search 6 online-based databases to find Randomized Controlled Trials related to determining the role of acupuncture in treating pain from endometriosis....	The role of acupuncture in the treatment of women with pain in endometriosis (semanticscholar.org)
Numerous studies have reported that acupuncture has a distinct effect when treating the discomfort caused by endometriosis. The primary advantages include various treatment methods, simple administration, minimal adverse reactions, and having no impact on the intrauterine environment....	The role of acupuncture in the treatment of women with pain in endometriosis (semanticscholar.org)

Herbal remedies for endometriosis

Relevant Excerpt	Citation Source
... The menstrual cycle's normal changes in estrogen levels lead to increased symptoms. Research suggests that some herbal remedies for endometriosis may improve symptoms, either when a person takes these herbs alone or in combination with other drugs. This research is still in the early stages, and some studies have not been well-designed or well-controlled....	Can herbal remedies relieve endometriosis symptoms? (medicalnewstoday.com)
... However, some of these studies are still in the early stages. For this reason, herbal remedies are considered an alternative treatment for endometriosis that are used to support the primary treatment with the guidance of a medical professional.â	6 Herbs for Endometriosis: Relieving Pain, Easing Symptoms, and ... (webmd.com)
... For this reason, herbal remedies remain an alternative treatment, not the primary treatment. Some herbal remedies that may help include: Curcumin Curcumin, which is a derivative of turmeric, may help regulate a person's hormones, slowing the growth of endometrial adhesions. The authors of a 2013 study looked at endometrial cells in a laboratory setting....	Can herbal remedies relieve endometriosis symptoms? (medicalnewstoday.com)
Herein, we present a systematic review of clinical and experimental data on the use of medicinal herbs in the treatment of endometriosis. Although there is a general lack of evidence from clinical studies on the potential efficacy of medicinal herbs for the treatment of endometriosis-associated symptoms, our review highlights the anti-inflammatory and pain-alleviating mechanisms of action of herbal remedies. Medicinal herbs and their active components exhibit cytokine-suppressive, COX-2-inhibiting, antioxidant, sedative and pain-alleviating properties....	Evolution of medical treatment for endometriosis: back to the roots? (semanticscholar.org)
... This means there is no approved method for taking them and no standardized dosage that works for everyone. Some strategies for taking herbs for endometriosis include: Use herbs as a supplement to traditional treatments, rather than as a replacement. Follow the package or manufacturer's instructions. Do not exceed the dosage on the packaging....	Can herbal remedies relieve endometriosis symptoms? (medicalnewstoday.com)