

Objectives

- Discuss the pathogenesis of endometriosis
- Review the factors that cause infertility in women who have endometriosis
- Summarize treatment options for endometriosis
- Describe pitfalls in surgical management
- Identify the type of surgical techniques use for management of endometriosis

Content Outline

1. Pathophysiology of Endometriosis
 - 1.1 Retrograde menstruation
 - 1.2 Coelomic metaplasia
 - 1.3 Altered immunity
 - 1.4 Stem Cells
 - 1.5 Genetic/gene factors
2. Endometriosis Associated Infertility
 - 2.1 Effects on gametes and embryo
 - 2.2 Effects on Fallopian tube and embryo transfer
 - 2.3 Effects on the endometrium
3. Treatment
 - 3.1 Expectant management
 - 3.2 Medical Treatment
 - 3.3 Combined Treatment
 - 3.4 IVF and ART
 - 3.5 Surgical Treatment
 - 3.5.1 Pitfalls
 - 3.5.1.1 Pain and endometriosis
 - 3.5.1.2 Misdiagnosis
 - 3.5.1.3 Inadequate surgery
 - 3.5.2 Techniques
 - 3.5.2.1 Laparoscopy
 - 3.5.2.2 Excision vs. ablation vs. coagulation
 - 3.5.2.3 Laparoscopic uterine nerve ablation
 - 3.5.2.4 Presacral neurectomy
 - 3.5.2.5 Pre and post operative treatment
 - 3.5.2.6 Conservation vs. extirpative surgery

Endometriosis

Reading Material Resources

Module WB1507: Endometriosis is based on the resources listed below. A copy of each article is included with the module.

"Endometriosis and Infertility; A Review of the Pathogenesis and Treatment of Endometriosis-Associated Infertility", Macer, MD, Matthew L., Taylor, MD Hugh S., [Obstetrics and Gynecology Clinics of North America](#), Volume 39, 2012. pp. 535-549.

"Surgical Treatment of Endometriosis", Howard, MS, MD, Fred M., [Obstetrics and Gynecology Clinics of North America](#), Volume 38, 2011. pp. 677-686.