Objectives

- Review the history and epidemiology of the infertility specialty.
- Discuss the pathophysiology and clinical features of female infertility.
- Summarize the evaluation and treatment of infertility in the female/couple.
- Describe inflammatory effects on the male reproductive tract and resultant conditions.
- Outline the physiology of aging in the female.
- Identify management of infertility in the context of age related infertility.
- Explain interplay between anatomy and pathophysiology that affects men with varicoceles.
- Provide an overview of clinical presentation, evaluation and treatment of varicoceles.

Content Outline

1. History and Epidemiology of Infertility
2. Pathophysiology of Infertility in the Female
   2.1 Ovulatory dysfunction
   2.2 Anatomic dysfunction
   2.3 Unexplained infertility
3. Age Related Infertility
   3.1 Physiology factors
   3.2 Test of ovarian reserve
   3.3 Maternal and fetal risks
4. Evaluation of the Infertile Couple
   4.1 Screening and testing
   4.2 Diagnostic imaging
5. Management of the Infertile Couple
   5.1 Ovarian stimulation
   5.2 Intrauterine insemination
   5.3 In Vitro fertilization
   5.4 Donor oocytes
6. Male Infertility Conditions
   6.1 Inflammatory Conditions
      6.1.1 Prostatitis
      6.1.2 Epididymitis
      6.1.3 Orchitis
      6.1.4 Urethritis
   6.2 Infection
      6.2.1 Viral
      6.2.2 Bacteria
   6.3 Varicocele
      6.3.1 Anatomy
      6.3.2 Pathophysiology
      6.3.3 Clinical presentation & evaluation
      6.3.4 Treatment

Reading Material Resources

Module WB1712: Female and Male Infertility is based on the resources listed below. A copy of the resources are included with the module.
Female and Male Infertility


