

Uterine Fibroids

Objectives

- Understand the cellular composition and classification of uterine fibroids
- Analyze the role of genetic mutations in fibroid formation and growth
- Evaluate the hormonal and molecular pathways influencing fibroid pathogenesis
- Discuss clinical presentations, risk factors, screening and diagnosis of fibroids
- Explore treatment options for fibroids

Content Outline

1. Cellular Composition and Classification of Fibroids
 - A. Types
 - B. Cellular heterogeneity
2. Role of Genetic Mutations
 - A. Common impacts
 - B. Influence of mutations on fibroid generation
 - C. Hormonal and molecular influences
3. Pathway Influencing Fibroid Pathogenesis
 - A. Hormonal
 - B. Molecular
4. Uterine Fibroids Overview
 - A. Epidemiology, screening, and preventions
 - B. Diagnosis
 1. Differential
 2. Testing
 - C. Clinical Presentation
 - A. Risk factors
 - B. Signs and symptoms
 - D. Treatment
 - A. Expectant
 - B. Pharmacologic
 - C. Surgery
 - D. Complementary

Reading Material Resources

Module WB2819: Uterine Fibroids is based on the resources listed below. A copy of each resource is included with the module.

Uterine fibroids at single cell resolution: unveiling cellular heterogeneity to improve understanding of pathogenesis and guide future therapies, Goad, et al., American Journal of Obstetrics and Gynecology, April 2025, S123-S133

Uterine Fibroids: Rapid Evidence Review, Keating et al., American Family Physician, Vol. 112, No. 4, October 2025, 393-400