

## Assisted Reproduction

### Objectives

- Understand the history and evolution of assisted reproductive technology
- Identify indications for IVF and pre-IVF evaluation
- Explore IVF protocols and techniques
- Analyze risks and outcomes associated with IVF
- Evaluate lifestyle and environmental factors affecting IVF success

### Content Outline

1. Introduction to Assisted Reproductive Technology (ART)
  - A. Definition and scope of ART
  - B. Historical milestones in ART development
2. Pre-IVF Evaluation
  - A. Infectious disease screening
  - B. Genetic testing approaches
  - C. Ovarian reserve testing
  - D. Uterine cavity evaluation and semen analysis
3. Indications for IVF
  - A. Common infertility factors
  - B. Elective and medically indicated fertility preservation
  - C. Use of gestational carriers and donor gametes
4. IVF Protocols and Techniques
  - A. Ovarian stimulation methods
  - B. Embryo transfer options
  - C. Elective single embryo transfer
5. Risks and Outcomes of IVF
  - A. Obstetric and neonatal outcomes
  - B. Long-term outcomes for IVF children
  - C. Lifestyle and environmental factors

### Reading Material Resources

**Module WB2736: Assisted Reproduction** is based on the resource listed below. A copy of the resource is included with the module.

Chapter 35 Assisted Reproduction: Clinical Practice, Yen and Jaffe's Reproductive Endocrinology, Strauss, Jerome, Elsevier, 2024, 842-875 e11