

BI 358 Active Learning Questions Lecture 14

1. List the *signs* and *symptoms* of *polycystic ovary syndrome* (PCOS). What are the *clinical consequences* of PCOS? How is PCOS *evaluated*? What are some of the *treatment options* for PCOS?
2. What *criteria* are used to diagnose a patient with *metabolic syndrome*? How is *metabolic syndrome* treated?
3. What does *ART* stand for (in reproductive endocrinology)? Briefly describe or summarize the steps of *in vitro fertilization* (IVF) and *intracytoplasmic sperm injection* (ICSI). In IVF, what *hormone* is injected to trigger ovulation?
4. What are the goals of *pre-implantation genetic diagnoses* (PGD)? How will *CRISPR* (Clustered Regularly Interspersed Short Palindromic Repeats) technology change PGD?
5. What is *oocyte cryopreservation*? *When* might it be used? Describe the *basic steps* involved. In *IVF treatment of mitochondrial disease*, what *cell part* is transferred and what is the *donor cell type*?