**INFERTILITY**

**WOMEN’S HEALTH CURRICULUM: AMERICAN ASSOCIATION OF COLLEGES OF**

**PHARMACY AND FOOD AND DRUG ADMINISTRATION**

**SPRING 2015**

**ANTICIPATED TIME DURATION FOR THIS MODULE: 2 hours, up to 3 hours if guest lecturers/speakers**

**OBJECTIVES:**

* Differentiate the etiology of infertility in both genders
* Describe the main causes of female and male infertility
* Outline the basic steps in evaluating infertility in both females and males
* Discuss initial management steps in an infertility work-up
* Define ART, AI, IVF, IUI, ICSI, GIFT, ZIFT
* Design a therapeutic plan differentiating between the use of metformin, clomiphene, anastrozole and letrozole
* Investigate donor banks and explore current options for donor egg, donor sperm, and donor embryo possibilities
* Compare and contrast ovarian suppression agents and ovarian stimulation agents utilized in IVF
* Develop a monitoring and management plan for a patient experiencing ovarian hyperstimulation syndrome (OHSS)
* Outline financial options for management of medication and procedural costs associated with assisted reproductive technology (ART)

**SUGGESTED ACTIVE LEARNING EXERCISES:**

* Patient cases (see website)
* Pre- and post-quiz on baseline and acquired knowledge around infertility
* Patient interview (utilize pre-established patient relationship)
* Drug information questions (utilizing common infertility medications)
* Journal club
* Team-based learning: see TBL learning materials
* Guest speakers/panel

**RESOURCES:**

* Fertile Hope: www.livestrong.org/we-can-help/fertility-services/
* RESOLVE: The National Fertility Association. [www.resolve.org](http://www.resolve.org)
	+ Infertility treatment grants and scholarships
	+ Infertility financing programs
* The American Society for Reproductive Medicine (ASRM). Infertility: An Overview. Downloadable pdf from [www.reproductivefacts.org/uploadedFiles/ASRM\_Content/Resources/Patient\_Resources/Fact\_Sheets\_and\_Info\_Booklets/infertility\_overview.pdf](http://www.reproductivefacts.org/uploadedFiles/ASRM_Content/Resources/Patient_Resources/Fact_Sheets_and_Info_Booklets/infertility_overview.pdf)
* ASRM. An employer’s experience with infertility coverage: A case study. Fertil Steril 2009;92:2103-5.
* Amory JK. George Washington’s infertility: Why was the father of our country never a father? Fertil Steril 2004;81:495-99.
* Ferri, FF. “Infertility” in Ferri’s Clinical Advisor 2015, 653-54, e2.
* Shaw GM. Having children after cancer: How to make informed choices before and after treatment and build the family of your dreams. Celestial Arts (2011).
* Reindollar, et al. A randomized clinical trial to evaluate optimal treatment for unexplained infertility: The Fast Track and Standard Treatment (FASTT) trial. Fertil Steril 2010;94:888-89.
* American Urological Association Education and Research, Inc. The optimal evaluation of the infertile male: AUA best practice statement reviewed and validity confirmed 2011. American Urological Association Education and Research, Inc. 2010.
* ESHRE Capri Workshop group. Diagnosis and management of the infertile couple: Missing information. Hum Reprod Update. 2004 Jul-Aug; 10(4):295-307.
* Unuane D, et al. Endocrine disorders and female infertility. Best Practice and Research Clinical Endocrinology and Metabolism 2011; 25(6):861-73.
* Devroey P et al. Approaches to improve the diagnosis and management of infertility. Hum Reprod Update. 2009 Jul-Aug; 15(4):391-408.

**POTENTIAL ASSESSMENTS:**

* Multiple choice questions
* Short answer questions
* Case study/short summary +/- SOAP note (if able to obtain first hand patient interview)
* Written reflection (useful if patient presents story/journey in classroom setting)