Curriculum Content Report – Infertility
Search Terms: Infertility, Prolactinoma, Polycystic Ovarian Syndrome, FM B4 FM B4c, FM B4g, MR B3b, EN B2j, EN B5j,
Prepared 4/23/19 by Ken Olive, MD

Year 1	
Course	**Content**
Cell & Tissue Biology	Spermatogenesis Fertilization process Factors affecting spermatogenesis and male fertility -Dietary deficiencies: -Environmental / lifestyle -Developmental disorders -Ciliopathies / genetic mutations -Systemic diseases or local infections -Elevated testicular temperature -Medications -Toxic agents: -Ionizing radiation and alkylating agents Female infertility -Reproductive organs -Fertilization process
Physiology	Female and male reproductive endocrinology Infertility in hypothyroidism Infertility in hyperprolactinemia Normal and disordered sexual differentiation Male and female hypogonadism, Androgen insensitivity, 5 alpha reductase deficiency, Turner syndrome and Congenital adrenal hyperplasia. Amenorrhea associated with female athletes
Genetics	Turner Syndrome Klinefelter Syndrome Kartagener Syndrome (primary ciliary dyskinesia)
Year 2	
Pathology	Prolactinoma as a cause of infertility Hypopituitarism as cause of infertility Uterine anomalies Primary amenorrhea Polycystic ovarian syndrome Turner Syndrome Klinefelter syndrome
Doctoring II	PID as cause of infertility
Microbiology	Infectious causes of infertility

Year 3	
OB/GYN Clerkship	Infertility teaching session Causes -Ovulatory Dysfunction -Tubal Damage -Endometriosis -Coital Problems -Cervical Factor -Unexplained -Male factors Testing Polycystic ovarian syndrome Male infertility Assisted reproductive techniques Amenorrhea -Congenital anatomic defects -Turner syndrome -Hyperprolactinemia -Hypothalamic -Polycystic ovarian syndrome -Ovarian failure