

APGO Basic Science Video List
With Objectives

Video	Topic Title	Clinical Trigger	Objectives	Completed
1	Cervical Intraepithelial Neoplasia*	Abnormal Pap Smear	Normal histology of the cervix, histopathology of cervical intraepithelial neoplasia and cervical cancer, role of human papilloma virus in cervical intraepithelial neoplasia and cancer	
2	Abnormal Placentation	Abnormal Placentation	Embryonic development of the placenta, physiologic functions of the placenta, pathophysiology of placenta previa and accreta	
3	Endometrial Hyperplasia and Endometrial Intraepithelial Neoplasia*	Abnormal Uterine Bleeding	Normal histology of the endometrium and changes that occur throughout the menstrual cycle, histopathology and pathophysiology of endometrial hyperplasia/EIN, pharmacology of progestins	
4	Alloimmunization	Alloimmunization	Fetal hematopoiesis, genetics of common blood groups, pathophysiology of alloimmunization, pharmacology of Rh immunoglobulin	
5	Aneuploidy Screening	Aneuploidy Screening	Oogenesis/meiosis, pathogenesis of fetal aneuploidy, how screening and diagnostic testing identifies aneuploidy	
6	Contraception	Contraception	Physiologic mechanism of action of various forms of contraception, contraceptive contraindications relative to comorbid conditions	
7	Breast Disorders*	Disorders of the Breast	Normal breast anatomy and histology, common benign breast disorders and breast cancer, pharmacology of hormonal therapies used in breast cancer treatment	
8	Dysmenorrhea	Dysmenorrhea	Histology of endometrium and myometrium, pathophysiology of dysmenorrhea and endometriosis, pharmacological treatment of dysmenorrhea	
9	Ectopic Pregnancy	Ectopic Pregnancy	Normal histology of the fallopian tube, pathophysiology of ectopic pregnancy, pharmacology of methotrexate	
10	Embryology of Common Malformations	Embryology of Common Malformations	Development of the embryo and germ layers, factors affecting embryogenesis and critical periods of development leading to fetal malformations	
11	Gestational Diabetes	Gestational Diabetes	Normal glucose metabolism in pregnancy, pathophysiology of abnormal glucose metabolism, fetal effects of gestational diabetes mellitus, pharmacology of hypoglycemic agents	
12	Hemorrhage	Hemorrhage	Basic principles of normal hemostasis, physiologic changes associated with coagulation during pregnancy, pathophysiology and management of disseminated intravascular coagulation	
13	Hirsutism	Hirsutism	Normal ovarian steroidogenesis, pathophysiology of abnormal androgen secretion, pharmacology of medications to treat hirsutism	
14	Hypertensive Disease of Pregnancy	Hypertensive Disease of Pregnancy	Physiology of normal regulation of blood pressure in pregnancy, pathophysiology of preeclampsia, pharmacology of anti-hypertensive medications and magnesium	
15	Lactation	Lactation	Breast anatomy and changes during pregnancy and lactation, physiology of milk synthesis and release, composition of human milk	
16	Maternal-Fetal Physiology	Maternal-Fetal Physiology	Normal maternal physiologic changes in pregnancy, maternal endocrine adaptations for the developing fetus, physiologic adaptations of the fetus and placenta	
17	Menopause	Menopause	Physiologic changes in estrogen levels and the hypothalamic-pituitary-ovarian axis in peri-menopause and menopause, pathophysiology of common symptoms of perimenopause/menopause, treatment options for menopausal symptoms	
18	Physiology of the Menstrual Cycle*	Menstrual Cycle	Hypothalamic-pituitary-ovarian (HPO) axis regulation of ovarian function and menstrual cycle; hypothalamic-pituitary-ovarian axis and the reproductive stages of the life cycle	
19	Gestational Trophoblastic Disease*	Molar Pregnancy	Physiologic stages of fertilization, pathogenesis of complete and partial moles, histopathology of molar pregnancy, malignant sequelae (GTN)	
20	Mullerian Anomalies (Amenorrhea, Recurrent Pregnancy Loss)	Mullerian Anomalies (Amenorrhea, Recurrent Pregnancy Loss)	Embryologic origins of the reproductive tract, genes/hormones involved in sexual differentiation, pathophysiology of mullerian anomalies	
21	Multiple Gestation Pregnancies	Multiple Gestation Pregnancies	Early fetal development (fertilization to implantation), physiology of twinning, placental abnormalities in monochorionic twin pregnancies	
22	Ovarian Neoplasm	Ovarian Neoplasm	Normal histology of the ovary, ovarian epithelial neoplasms, stromal neoplasms, germ cell neoplasms, ovarian biomarkers and genetic predisposition to ovarian cancer	
23	Pelvic Anatomy	Pelvic Anatomy	Pelvic anatomy - anatomic landmarks and basic anatomy related to reproductive function	
24	Pelvic Organ Prolapse	Pelvic Organ Prolapse	Normal anatomy of the pelvic floor, proposed mechanisms for pathophysiology of pelvic organ prolapse, management options for pelvic organ prolapse	
25	Physiology of Labor	Physiology of Labor	Phases of labor and physiology of parturition, regulation of uterine activity, fetal and maternal signaling of labor, role of oxytocin in regulation of labor and smooth muscle activity	
26	Postpartum Depression	Postpartum Depression	Neurobiological mechanisms underlying postpartum depression, change in steroid hormones in the postpartum period, pharmacology of selective serotonin reuptake inhibitors	
27	Sexually Transmitted Infections	Sexually Transmitted Infections	Pathophysiology of common sexually transmitted infections, long-term sequelae of sexually transmitted infections, mechanism of action of treatment of common sexually transmitted infections	
28	Transgender Care	Transgender Care	Sex hormone synthesis and regulation, mechanisms and pathways of hormone therapy, clinical care for transgender patients	
29	Urinary Incontinence	Urinary Incontinence	Anatomy of bladder and urethra, physiology of bladder filling/emptying/continence, autonomic control of the bladder, pathophysiology of urinary incontinence, pharmacology of medications used in urge incontinence	
30	Uterine Atony	Uterine Atony	Uterine muscle architecture and mechanism of contraction, factors that interfere with myometrial contraction, pharmacology of uterotonic agents	