

Educational goals and training objectives

1. The overall educational mission of the program is to ensure the graduate possesses the knowledge, skills, and professional attributes essential to be able to function as a consultant to pediatricians, family practitioners, obstetricians, and gynecologists for girls from birth up to age 18–21 years with pediatric gynecologic concerns as well as older women born with congenital anomalies.
2. The pediatric and adolescent gynecology (PAG) graduate should also learn to work with a team of specialists in the care of girls born with complex anomalies. In addition, he or she will obtain skills that will allow him or her to function effectively in the areas of basic and clinical research in PAG.
3. Educational objectives for the fellowship are designed to be graded such that as fellows advance in training, procedural objectives are similarly designed to become more complex.
4. Formal training portfolios will be maintained, which will allow for documentation of satisfactory performance and advancement through the program.
6. Interpersonal Skills and Communication (ISC)

5. At the completion of training, fellows should demonstrate competence at the level of a new practitioner in PAG. Educational objectives for the fellowship program are as follows:

Milestone Score Key:

1. Understands principles
2. Has not performed but is able to discuss and evaluate with complex understanding
3. Observed performance—Please enter number
4. Can perform independently in simple situations
5. Can perform independently in complicated situations

ACGME: Competencies addressed by each section are stated in parentheses:

1. Patient Care (PC)
2. Medical Knowledge (MK)
3. Practice-Based Learning and Improvement (PBLI)
4. Systems-Based Practice (SBP)
5. Professionalism (P)

Gynecologic examination of children and adolescents (PC, MK, ISC, P)	Milestone score	Comments
Elicit a pertinent history and a focused physical examination appropriate for the patient's age, including the following: <ol style="list-style-type: none"> a. Demonstration of correct use of equipment b. Positioning c. Adjuncts to examination Understand principles of and can perform <ul style="list-style-type: none"> Vaginoscopy Vaginal lavage Colposcopy in children and adolescents 		

Preventive care (PC, MK, PBLI, SBP, P, ISC)	Milestone score	Comments
Describe and provide current screening and immunization recommendations based on age and risk factors, and know the source of those recommendations <ul style="list-style-type: none"> Know the value of HPV vaccine in the prevention of cervical dysplasia Screen children and adolescents for sexual, physical, and emotional abuse; provide immediate medical evaluation including sexually transmitted infection (STI) screening, treatment for pregnancy and sexually transmitted disease (STD) prophylaxis, and assistance with referrals for legal assistance and psychological counseling Counsel on healthy lifestyle, risk factors, weight management, contraception, STI prevention, accident prevention, psychosocial issues, and immunizations Counsel families about pubertal development and menstrual function 		

Psychosocial (PC, MK, SBP, P, ISC)	Milestone score	Comments
<p>Recognize and screen for depression, eating disorders, and other mental health disorders, and assist with referrals and counseling as indicated</p> <p>Discuss diagnostic criteria and management strategies for premenstrual dysphoric disorder</p> <p>Understand child and adolescent sexuality</p> <p>Provide patient and parent education regarding sexuality</p> <p>Understand child and adolescent gender identity</p> <p>Discuss management strategies for management of gender dysphoria in children and adolescents</p> <p>Psychosocial</p> <p>Puberty suppression</p> <p>Cross-sex hormones</p>		

Endocrinology (PC, MK)	Milestone score	Comments
<p>Understand puberty chronology and its regulation</p> <p>Evaluate for abnormalities of puberty, including the following:</p> <ul style="list-style-type: none"> Precocious puberty Thelarche Adrenarche Menarche Delayed puberty <p>Evaluate and manage hyperandrogenemia (hirsutism, acne, abnormal bleeding, insulin resistance, obesity, hypertension)</p> <p>Congenital adrenal hyperplasia</p> <p>Evaluate and manage primary and secondary amenorrhea</p> <p>Evaluate and manage premature ovarian insufficiency</p> <p>Evaluate and manage polycystic ovary syndrome</p> <p>Eating disorders/female athlete triad</p> <p>Counsel patients with endocrinopathies regarding fertility and fertility preservation options</p> <p>Describe the physiology of the menstrual cycle and hypothalamic-pituitary-ovarian axis</p> <p>Understand other endocrinopathies, such as thyroid disease and diabetes, and their effects on pediatric and adolescent gynecology</p> <p>Understand and manage gonadal dysgenesis</p> <p>Understand and evaluate disorders of bone mineral metabolism, pituitary, and lipids</p>		

Abnormal bleeding (PC, MK)	Milestone score	Comments
<p>Manage or provide consultation regarding therapeutic amenorrhea and menstrual suppression</p> <p>Evaluate and manage prepubertal bleeding:</p> <ul style="list-style-type: none"> Infection Trauma Foreign body Precocious puberty Malignancy <p>Evaluate and manage heavy menstrual bleeding in the adolescent, including the following:</p> <ul style="list-style-type: none"> Evaluation for a bleeding disorder Hormonal management Surgical management including hysteroscopy evaluation of endometrial cavity 		

Pelvic masses (PC, MK)	Milestone score	Comments
<p>Evaluate and manage ovarian cysts/pelvic mass</p> <p>Understand types and incidence of genital tumors in childhood and adolescence</p> <p>Perform and/or interpret tests, such as the following:</p> <ul style="list-style-type: none"> Serum markers Ultrasonography Magnetic resonance imaging Computed tomography scan in the evaluation of a pelvic mass <p>Treat benign pelvic masses, using nonsurgical or surgical methods, considering such factors as the patient's age, general health, treatment preference, future childbearing plans, and symptoms</p> <p>Surgical management:</p> <ul style="list-style-type: none"> Ovarian cystectomy open Ovarian cystectomy laparoscopy Paratubal cystectomy Oophorectomy/salpingo-oophorectomy Staging for ovarian cancer 		

Congenital anomalies/embryology (PC, MK)	Milestone score	Comments
<p>Understand normal and abnormal embryonic development of the male and female gonad, internal genitalia, external genitalia, the urologic and intestinal systems</p> <p>Understand normal anatomy of genital organ and its diversities in childhood and adolescence</p> <p>Evaluate and manage congenital anatomic anomalies (including investigation for renal anomalies, where indicated):</p> <ul style="list-style-type: none"> Hymenal abnormalities such as cribriform, microperforate, and septum Imperforate hymen Vaginal septum (transverse) Vaginal septum (longitudinal) Vaginal septum (obstructed hemivagina with ipsilateral renal agenesis [OHVIRA]) Uterine duplication Uterine septum Unicornuate or bicornuate uterus Bicornuate uterus Obstructed uterine horn Vaginal agenesis <p>Understand and perform surgical and nonsurgical management of girls with vaginal agenesis</p> <ul style="list-style-type: none"> Vaginal dilation <p>Neovagina:</p> <ul style="list-style-type: none"> McIndoe Vecchietti Davidov Buccal Other <p>Evaluate and manage the patient with ambiguous genitalia</p> <p>Learn to work in multidisciplinary team</p> <p>Gonadectomy for patients with Y chromosome</p> <p>Evaluate and manage the patient with disorders of sexual development</p> <p>Provide parent and patient education regarding sexuality and fertility in women after correction of developmental abnormalities</p> <p>Evaluate patients with anorectal malformations involving the genital tract</p> <p>Be able to order appropriate diagnostic tests and perform vaginoscopy to delineate anatomy</p> <p>Understand appropriate referral options</p>		

Breast disorders (PC, MK)	Milestone score	Comments
Describe evaluation of breast disorders, including the following: Breast mass Nipple discharge Pain, infection (mastitis) Asymmetry Excessive size Underdevelopment and know indications for further evaluation as well as tests to order		

Contraception (PC, MK, PBLI, SBP, ISC)	Milestone score	Comments
Describe the advantages, disadvantages, failure rates, and complications associated with the currently available reversible and nonreversible methods of contraception Understand benefits/risks of different oral contraceptive pills by generation, composition Perform techniques of Intrauterine device insertion Implantable rod insertions (where available) Implantable rod removal (where available) Provide appropriate contraceptive follow-up, and manage side effects and complications associated with contraception Counsel pregnant patients about alternatives available for unplanned and undesired pregnancies and be able to counsel patients and make appropriate referrals		

Obstetrics (PC, MK) (It is expected that Fellows will have learned these aspects of adolescent care as part of their Obstetrics and Gynecology Residency)	Milestone score	Comments
Accurately confirm the presence of an intrauterine pregnancy, determine gestational age, and identify other abnormal physical findings Understand and manage the unique facets of obstetric care for adolescents Including risks of preterm labor, growth disturbance, sexually transmitted infections, substance abuse, poor social support, violence, low initiation of breastfeeding, as well as counseling for effective contraception		

Girls with disabilities and chronic diseases (PC, MK, SBP, PBLI, ISC)	Milestone score	Comments
Manage or provide consultation regarding gynecologic issues pertaining to girls with physical or mental disabilities Assess impact of proposed intervention based on patient's medical condition, capacity for independent decision-making, functional status, including impact on her capacity of independent living Understand how medications commonly used in obstetrics and gynecology can interact with other medications, such as antiepileptics and immunosuppressants		

Vulvovaginal disease (PC, MK)	Milestone score	Comments
Be able to diagnose and manage common pediatric vulvar Dystrophies and dermatoses Labial adhesions Lichen sclerosis Nonspecific vulvovaginitis Infectious vulvovaginitis Other vulvar conditions: psoriasis, Crohn's disease, vascular diseases, other skin conditions		

Understand the medical and surgical treatment options for vulvar or vaginal lesions
 Describe the principal infections that affect the vulva and vagina and diagnostic tests to differentiate between them
 Labial hypertrophy
 Medical management
 Surgical management
 Evaluate and manage genital trauma
 Repair of vaginal laceration in prepubertal child
 Repair of vaginal and vulvar lacerations in postpubertal child
 Manage nonexpanding hematoma
 Manage expanding hematoma
 Female circumcision:
 Understand types, laws, possible complications
 Perform de-infibulation
 Remove inclusion cyst

Sexual abuse and trauma (PC, MK, SBP, P, ISC)
Updated 6/13/17
Milestone score
Comments

Screen children and adolescents for physical, sexual, and emotional abuse during routine care, and know how to respond if suspected; screen adolescents and women about sexual and reproductive coercion
 Be aware of relevant state or provincial/federal laws relating to sexual assault and rights of adolescents to obtain medical care and regulations related to reporting of child sexual abuse
 Be familiar with the Centers for Disease Control and Prevention guidelines for care of survivors of sexual assault (STI screening, postexposure prophylaxis, treatment and follow-up, and use of emergency contraception)
 Counsel adolescents to avoid high-risk situations (*attending parties and social events with unknown people, meeting strangers with whom they have had contact on the Internet, walking alone at night, allowing themselves to be photographed nude or in sexually explicit poses, sexting*)
 Counsel adolescents about strategies that may decrease the likelihood of sexual assaults (*buddying up, not drinking from a vessel that was unattended, abstaining from or moderating alcohol intake, not accepting drinks from strangers*)
 Learn normal and abnormal (specific and nonspecific) findings in the genital and anal exam of children and adolescents
 Be able to obtain a nonleading, comprehensive history when sexual abuse/assault is suspected
 Be knowledgeable regarding a forensic exam, including forensic evidence kit, and know rape examination protocols
 Know community resources and collaborate with appropriate professionals.
 Understand female genital mutilation, management and policies
 Understand mechanisms of accidental genital trauma, assessment and management of straddle injuries, penetrating vaginal injuries, and vulvar hematomas

Pelvic pain/endometriosis (PC, MK)
Milestone score
Comments

Select and interpret diagnostic tests to determine the cause of chronic pelvic pain and treat using appropriate nonsurgical and surgical methods
 Evaluate and manage the adolescent with
 Pelvic inflammatory disease
 Tubo-ovarian abscess
 Evaluate and manage a child or adolescent with torsion:
 Of a normal ovary
 Of an ovary with a mass
 Discuss the implications of oophoropexy

Endometriosis

Summarize the theories of the pathogenesis of endometriosis, typical presentation, staging system, surgical treatment, medical treatment options, and sequelae

Outline the principal gynecologic and nongynecologic causes of chronic pelvic pain, and describe the pathophysiology of each cause

Sexually transmitted infection (PC, MK, SBLL, SBP, P)	Milestone score	Comments
Describe the most common STIs, including causes, symptoms, and risk of transmission (gonorrhea, Chlamydia, syphilis, hepatitis B and C, HIV, herpes simplex virus, human papillomavirus)		
Perform and/or interpret results of specific tests to confirm the diagnosis of common STIs, treat with appropriate antimicrobial agents, describe follow-up for patient and partner, and counsel on sequelae of infection (chronic pelvic pain, ectopic pregnancy, infertility, PID)		
List the common infectious agents implicated in PID, diagnostic criteria for PID, and appropriate therapy (antibiotics, surgical)		
Evaluate and manage genital HPV infection and abnormal cytology		
Imaging (PC, MK)	Milestone score	Comments
Understand use and limitations of ultrasound evaluation in pediatric and adolescent gynecology		
Understand indications and interpretation of other imaging modalities in pediatric and adolescent gynecology: magnetic resonance imaging, bone age studies, dual-energy x-ray absorptiometry		
Genetics	Milestone score	Comments
Understand the basic principles of genetics in gynecologic care		
Evaluate and counsel girls from families with hereditary genetic gynecologic disorders (e.g., BRCA)		
Understand genetic testing including polymerase chain reaction, fluorescence in situ hybridization, chromosome analysis, gene microarray, and whole gene sequencing, and their use in evaluating children and adults with possible syndromes as well as disorders of sexual differentiation		
Pediatric cancer (PC, MK, SBP, P, ISC)	Milestone score	Comments
Impact of pediatric cancers and long-term gynecology/fertility effects		
Management of bleeding during chemotherapy		
Know about fertility preservation options:		
GnRH agonist		
Embryo cryopreservation		
Oocyte cryopreservation		
Ovarian tissue cryopreservation		
Mobilization of ovary away from radiation field		
Other operative management (PC, MK)	Milestone score	Comments
Understand principles of surgery in the child		
Open surgery		
Laparoscopy		
Management and repair of vesicovaginal, urethrovaginal and ureterovaginal fistula as well as understanding of when to refer		
Management and repair of rectovaginal fistula as well as understanding of when to refer		

Preoperative (PC, MK, SBP)	Milestone score	Comments
<p>Counsels patients and families pre operatively on risks and alternatives (Informed Consent)</p> <p>Summarize indications and compose appropriate preoperative preparation plans for patients undergoing gynecologic surgery, including mechanical bowel preparation, antibiotic use, thromboembolism prophylaxis</p>		
Postoperative care and complications (PC, MK, SBP)	Milestone score	Comments
<p>Describe the physiology of wound healing, maintenance of adequate urine output, and hemodynamic changes associated with blood loss</p> <p>Promptly recognize/treat the complications associated with gynecologic surgery: fever, ileus, obstruction, infection, wound issues, fluid/electrolyte imbalance, low urine output, respiratory problems, and thromboembolism</p> <p>Choose appropriate pain control based on the surgical procedure, degree of patient discomfort, and patient characteristics, including age and presence of coexisting morbidities</p> <p>Manage and counsel patients about normal postoperative recovery such as advancement of diet, return to normal dietary and bowel function, ambulation, management of urethral catheterization, thromboembolism prophylaxis, wound care, return to normal activity levels and/or appropriate restrictions, including sexual activity</p>		
Research in children and adolescents		
<p>Understand ethical principles that govern research include respect for individuals, beneficence, and justice, as articulated in the Belmont Report</p> <p>Researchers (fellows) should be familiar with and adhere to current federal regulations 45 C.F.R. § 46, and federal and state laws that affect research with minors</p> <p>Understand the importance of caregiver permission—and ethically appropriate situations in which to waive caregiver permission—for the protection of adolescent research participants</p>		
Understand principles of transition to adult care		
<p>Implements transition care</p> <p>Communicates with patient, family, and adult providers about transition care</p>		
Interpersonal and communications skills: <i>Fellow competency and mastery of these objectives will be assessed by both the fellow with reported self-assessment and by the health-care team. (P, ISC, PC, MK)</i>		
	Milestone score	Comments
<p>Communicates effectively with girls to establish rapport, to obtain a reliable history, to motivate adherence to medical recommendations, and to promote healthy behaviors</p> <p>Communicates with families to promote adult involvement while still maintaining privacy, confidentiality, and respect</p> <p>Communicates effectively with the nursing staff, residents, and faculty</p> <p>Contributes to an interdisciplinary team approach to adolescent and pediatric health</p> <p>Interacts constructively with other services, both to communicate requests for consultation and to provide consultation when requested</p> <p>Responds promptly to pages</p> <p>Has legible handwriting</p> <p>Avoids hierarchical communication, communicates with mutual respect</p> <p>Provides thorough and clear patient handoff to call coverage team</p>		

Professionalism: Fellow competency and mastery of these objectives will be assessed by both the fellow with reported self-assessment and evaluations by health-care team. (P)

Milestone score Comments

Responds to requests for consults from other services in a timely and courteous fashion
 Is on time to required conferences, clinic, and operating room
 Reliably, thoroughly, honestly, and punctually completes assigned tasks including clinic dictations, operative reports, and discharge summaries
 Provides a supportive learning environment for medical students and residents
 Is sensitive to diverse patient populations, including patients with developmental delay; advocates for patients' welfare and that of their families
 Avoids stereotypical or negative comments about patients and health-care team
 Evaluates knowledge base and strives to improve it; seeks guidance and supervision as needed
 Maintains privacy of patient communication by avoiding discussing patients' information in public areas
 Reviews lab results in a timely fashion
 Avoids unreasonable leave and night call requests
 Dresses appropriately in clinic

Practice-based learning: Fellow competency and mastery of these objectives will be assessed by both the fellow with reported self-assessment and evaluations by the health-care team. Include documentation of presentations in the fellow portfolio. (SBLI)

Milestone score Comments

Participates in patient care conferences and follows up on management discussed
 Keeps an updated reading log to demonstrate ongoing learning
 Presents at conferences and documents self-reflection/patient care improvement
 Provides patients and family members information about power of attorney, and surrogate decision-making using hospital/clinic resources
 Is knowledgeable about medicolegal issues pertinent to pediatric and adolescent gynecology care and knows pertinent state laws and hospital policies
 Anticipates and actively manages workflow for timely completion of patient care
 Provides outpatient care effectively—accomplishes patient follow-up and medication compliance
 Appropriately utilizes hospital resources to enhance patient care (i.e., translator services, medical consult service, social services)

Systems-based practice: The fellow should check off each of these educational objectives when he or she masters the objective. Include documentation of presentations in the resident portfolio. (SBP)

Milestone score Comments

Appropriately utilizes consulting services when needed
 Proactively involves social work, nutrition, pain service, child-life specialties
 Describe the appropriate legal safeguards that must be observed in evaluating a victim of abuse, such as maintaining the proper chain of evidence in handling laboratory specimens and reporting the crime to the appropriate authorities
 Describes the indications for referral of a patient to a specialist, multidisciplinary group, pain management, or behavioral/mental health
 Consistently safe: aware and appropriately manages complications, allergies, etc.