

RESIDENT LEARNING OBJECTIVES

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The committee endorses the ACGME Competency and Required Skills below as appropriate for Medical Students.

Key: Table for Medical Student Urogynecology learning objectives

- 1st column: Learning objectives
- 2nd column: Levels of Competence as define by GE Miller in *The assessment of clinical skills/competence performance*. (Acad Med 1990;65:S637-7) Abbreviations used in the second column for recommended levels of competence are:

K = knows KH = knows how SH = shows how D = does

 3rd column: Evaluation Methods as described in the Accreditation Council for Graduate Medical Education (ADGME) and the American Board of Medical Specialties (ABMS) Toolbox of Assessment Methods. Version 1.1 September 2000. <u>www.acgme.org</u>. Abbreviations used in the third column for suggested evaluation methods are:

MCQ = Multiple Choice Examinations

SOR = Standardized Oral

ACGME Competency and Required Skill
1. Patient Care
a. Caring and respectful behaviors
b. Interviewing
c. Informed decision-making
d. Develop & carry out patient management plans
e. Counsel & educate patients & families
f. Performance of procedures
i. Routine physical exam
ii.Medical procedures
g. Preventive health services
h. Work within a team
2. Medical Knowledge
a. Investigatory & analytic thinking
 Knowledge & application of basic sciences
3. Practice-Based Learning & Improvement
a. Analyze own practice for needed improvements
b. Use of evidence from scientific studies
c. Application of research and statistical methods
d. Use of information technology
e. Facilitate learning of others
4. Interpersonal & Communication Skills
a. Creation of therapeutic relationship with patients
b. Listening skills
5. Professionalism
a. Respectful, altruistic
b. Ethically sound practice
c. Sensitive to cultural, age, gender disability issues
b. Systems-Based Practice
a. Understand interaction of their practices with the
larger system
D. Knowledge of practice and delivery systems
c. Practice cost effective care
a. Advocate for patients within the health care system

Exam

KF = Key Features Exam

SP = Standardized Patients

OSCE = Objective Structured Clinical Exam GR = Global Rating

Medical Student Urogynecology Learning Objectives	Levels of Competenc	Evaluation Methods
Basic Sciences		
EMBRYOLOGY Objective: The resident should demonstrate an understanding of the development of the female urinary tract, lower reproductive tract, pelvic floor, and lower gastrointestinal tract and their interrelationships.		
 Understand the normal development of the bladder, urethra, vulva, vagina, rectum, and anal canal. 	К	MCQ 2a, 2b
 Understand the temporal and anatomic embryologic interrelationships within the urinary tract, reproductive tract and lower gastrointestinal tract, and how mullerian and urinary anomalies develop and can coexist Understanding the relationship of the urogenital 	К	MCQ 2a, 2b
ridge and the subsequent development of the mature kidney, including the timing and progressive appearance of the	К	MCQ 2a, 2b
 three sets of excretory organs. 4. Understand the stages in growth and positioning of the mature kidney and ureters. K MCQ 2a, 2b 5. Understand the mechanisms responsible for the normal 	к	MCQ 2a, 2b
and abnormal development and positioning of the components of the female urinary, reproductive and lower gastrointestinal tracts.	К	MCQ 2a, 2b
ANATOMY <i>Objective:</i> The resident should demonstrate an understanding of the normal anatomy, anatomic interrelationships and variations of the bony pelvis, pelvic girdle and pelvic floor musculature, nerve supply, vasculature, lymphatic drainage, connective tissue supports and the pelvic viscera including the bladder, ureters, urethra, vagina, uterus, rectum, sigmoid colon, small bowel surrounding structures.		
 Understand the anatomic components and relationships of the pelvic organs. Understand the interplay between the bony pelvis, the three levels of vaginal support and levator ani muscle complex in maintaining a biaxial vagina 	К	MCQ 2a, 2b
2. Understand the innervation, blood supply, and lymphatic drainage of these structures	к	MCQ, OSCE 2a,2b

 Understand the changes in position and electromyographic activity of pelvic floor musculature at rest and with strain, sudden and sustained increases in intra-abdominal pressure, and voluntary muscle contraction. 	к	MCQ 2a, 2b
 Understand and be able to trace the course of the ureters from the kidney to the bladder and identify adjacent structures along their course in the context of 	к	MCQ, OSCE, SP 1f, 2a, 2b
common locations and mechanisms of operative injury.	к	MCQ, OSCE, SP 1f,
 Understand the anatomy of the retropubic, paravaginal, pararectal, and presacral spaces. 	к	MCQ, OSCE, SP 1f, 2a, 2b
 Understand the normal anatomy of the perineal body. Understand the anatomic relationships of the levator ani complex and anal sphincters in maintaining fecal continence 		
PHYSIOLOGY Objective : The resident should demonstrate a working understanding of the normal function of the lower urinary tract during the filling and voiding phases, the factors responsible for anal continence, and the key elements involved in normal pelvic floor support.		
 Understand the reflex arcs responsible and basic neurologic circuits responsible for coordinated functioning and volitional control of the bladder and urethra. 	к	MCQ 2a, 2b
2. Understand the autonomic and somatic neurologic control of lower urinary tract function	к	MCQ 2a, 2b
 Understand the normal voiding frequency and capacity using voiding diaries. Understand the urodynamic volume/pressure relationships of urethra and bladder during filling and emptying, including normal voiding mechanisms. Understand the methods of determining post- void residual (PVR). 	к, D	MCQ 1d, 1e, 1f, 2a, 2b
4. Understand the role of neurotransmitters and receptors in coordinated bladder and urethral function. Understand the concept of receptor specifity in anti-cholinergic therapy, and the side effect profile relative to receptor specificity. Understand the strengths and limitations of pharmacologic interventions to regulate lower urinary tract function.	к	MCQ 2a, 2b
 Understand the various elements of the functional sphincteric mechanisms of the urethra in controlling bladder/urethral pressure gradients during filling and emptying. 	К, D	MCQ, OSCE 1d, 1e, 1f, 2a, 2b

Understand the role of the pelvic floor musculature and the rationale for recommending pelvic floor muscle exercises and electrical stimulation therapies for both stress and urge urinary incontinence. Understand the effects of pharmacologic agents on urethral tone, and the rationale for various therapies, including topical estrogen, tricyclic anti- depressants and alpha agonists.	К	MCQ 1f, 2a, 2b
6. Understand the neurologic control of the pelvic floor musculature and its role in maintaining pelvic floor support at rest, with voiding, defecation, and in response to both sudden and sustained increases in intra-abdominal pressure. Understand the use of EMG in this evaluation.	к	MCQ 2a, 2b
7. Understand the effects of vaginal delivery, lack of estrogen support, aging, obesity, health habits (like smoking, chronically straining at bowel movements, and chronic cough), and pelvic surgery on lower urinary tract function; pelvic floor connective tissue, muscle, and vascularity; and lower intestinal function	к	MCQ 2a, 2b
THE URINARY TRACT IN PREGNANCY Objective : The resident should demonstrate a thorough understanding of the morphologic and physiologic changes to the urinary tract in pregnancy. He/she should be able to demonstrate this understanding in the care of patients with symptoms or signs of urinary tract abnormalities and determine their significance in pregnancy.		
1. In Pregnancy	к	MCQ 2a,2b
 Counsel the patient on the potential effects of vaginal delivery, including operative vaginal delivery and the use of episiotomies, on the function of the pelvic floor. 	К	D MCQ, OSCE, SP, KF 1a,1e, 2a,2b, 4a,4b, 5b, 5c
URINARY TRACT DYSFUNCTION HISTORY AND PHYSICAL EXAMINATION The resident should be able to perform a complete history and screening physical examination to evaluate lower urinary tract symptoms and signs. Objective (History)		
 Understand revised ICS terminology as related to signs and symptoms of lower urinary tract dysfunction. 	D	MCQ, OSCE, SP, KF 1a,1b, 2a,2b, 4b
 Evaluate the severity and extent of disability caused by symptoms. Understand the use of Quality of Life (QOL) measurement tools / questionnaires for urinary incontinence, anal incontinence, pelvic organ prolapse and sexual 	D	MCQ, OSCE, SP, KF 1a,b, 2a, 4b, 5c

	dvsfunction		
3.	Evaluate past medical and surgical histories as they might relate to urinary tract symptoms.	D	MCQ, OSCE, SP, KF 1a,b, 2a, 4b, 5c
4.	Evaluate the possible relationship of current medications to lower urinary tract symptoms.	D	MCQ, OSCE, SP, KF 1a,b, 2a, 4b, 5c
5.	Understand the relationship of other organ systems to lower urinary tract dysfunction	К	MCQ 2a,b
6.	Understand possible psychosocial and psychosexual relationships to lower urinary tract symptomatology.	К	MCQ 2a,2b, 5c
Objecti	ve (Physical Examination)		
1.	Perform a thorough physical examination including neurologic examination and evaluation of pelvic floor reflexes.	D	OSCE, SP, KF 1f
2.	Perform an exam to include PVR, POPQ, prolapse defect analysis and straining Q-tip determination for evaluation of urethral mobility and pelvic organ prolapse at rest and with Valsalva, recumbent and erect.	D	OSCE, SP, KF 1f
3.	Perform an evaluation of levator ani muscle tone at rest and during contraction		
4.	Perform a cough stress test in the recumbent and standing positions to document the sign of stress urinary incontinence.	D	OSCE, SP, KF 1f
URINA	RY INCONTINENCE: GENERAL		
CONSIL <i>Objecti</i> involunt confirm patient a 1.	DERATIONS ve : Given a patient with a complaint of ary loss of urine, the resident should be able to the symptom, diagnose its etiology, counsel the and initiate an appropriate treatment plan. Understand the different types of urinary incontinence, their causes, symptom	к	MCQ, 2a, 2b
	complexes, physical findings, and distinctions. Understand the difference between symptoms (eg urge urinary incontinence, stress urinary incontinence, nocturnal eneuresis), symptom syndromes (eg overactive bladder, painful bladder) and urodynamic diagnostic categories (eg detrusor overactivity, urodynamic stress incontinence, chronic urinary retention with incontinence).	-	- ~,
2.	Understand the minimum elements of an evaluation, including history of symptoms, past	к, кн	MCQ, OSCE, SP, KF

	medical history, PVR, urinalysis, urine culture and voiding diary. Understand the concept of empiric treatment of symptom syndromes. Understand the indications for and performance of the various urodynamic tests used to evaluate urinary incontinence, including provocative multichannel cystourethrometry, urethral pressure profilometry and pressure- voiding studies.		1f, 2a, 2b 3b
3.	Understand the various medical and surgical approaches to specific types of urinary incontinence, and be able to provide an adequate spectrum for the majority of patients suffering from the more common of these conditions.	к, кн	MCQ, OSCE, SP, KF 1d,1e, 1f, 2a, 2b, 3b, 4a,
4.	Recognize the economic impact of urinary incontinence in the United States.	K	MCQ 6a, 6c
5.	Understand the psychological, social, and sexual impact of urinary incontinence.	ĸ	мсү 5с, 6а, 6р, 6с
Objecti princip of stres referra to perfi or surg diagno	ves: The resident should understand the les involved in the confirmation of the diagnosis as incontinence. He/she should know when I for further evaluation is necessary and be able form appropriate management either nonsurgical ical once the sis is established.		
1.	Know the definition of stress urinary incontinence versus urodynamic stress incontinence.	к	MCQ 2a, 2b
2.	Understand the underlying anatomic abnormality that allows urinary loss in this condition.	к	MCQ 2a, 2b
3.	Understand the various tests, their indications, limitations, and performance in establishing the diagnosis (e.g. Q-tip test, single-channel versus multi-channelcystometrogram, simultaneous bladder and urethral pressure measurements).	KD	MCQ, OSCE, KF, 1f, 2a, 2b
4.	Know the various approaches, both nonsurgical and surgical, for the treatment of urodynamic stress incontinence. Understand the difference between traditional and minimally invasive surgical approaches, eg open Burch versus laparoscopic Burch, and traditional pubovaginal sling versus mid-urethral sling.	К	MCQ, 1d, 1f, 2a, 2b
5.	Know and be able to perform the various operative repairs appropriate to the treatment of urodynamic stress incontinence. (see .Procedures. on page 16)	D	OSAT, OR EVAL. 1f

6.	Understand the benefits, risks, and how to decide on a vaginal versus abdominal versus combined surgical procedures for the correction of urodynamic stress incontinence. Understand the high-risk factors for failure of anti- incontinence procedures. Understand the relative indications for urethropexy versus sling versus urethral bulking agents.	К	MCQ 1e, 1f. 2a, 2b
7.	Understand the relationship of urodynamic stress incontinence and pelvic relaxation.	к	MCQ 1f, 2a, 2b
8.	Is able to discuss risks, benefits, and expected outcomes of nonsurgical and surgical management of SUI.	К	MCQ, OSCE, KF 1a, 1b, 1c, 1d, 1e, 2a, 2b
9.	Understand the evaluation and management of failed surgery for urodynamic stress incontinence, including treatment of Intrinsic Sphincteric Deiciency(ISD) with and without urethral mobility. Understand the use of urethral bulking agents.	К	MCQ, OSCE, KF 1a, 1b, 1c, 1d, 1e, 2a, 2b
URGE	INCONTINENCE		
Objecti sympto activity	ve: The resident should know the etiology, signs, oms, diagnosis, and treatment of detrusor over ,		
1.	Understand the terms: urge incontinence and nocturnal eneuresis as symptoms; overactive bladder as a clinical syndrome; idoiopathic detrusor overactivity and neurogenic detrusor over activity as urodynamic diagnoses, and synonyms.	К	MCQ 2a, 2b
2.	Understand the pathophysiology of the condition.	К	MCQ 2a, 2b
3.	Understand the clinical presentation of the condition and other conditions from which it must be distinguished.	К	MCQ 2a, 2b
4.	Understand the diagnostic measures required to identify the condition, and their respective indications	К	MCQ 2a, 2b
5.	Understand the various treatment modalities, including fluid management, behavior modification, pelvic floor exercises, pharmacotherapy, and electrical stimulation. Understand thereceptor specificity and side effect profile of respective anti-cholinergic agents	K,D K,D	MCQ, OSCE, KF 1a, 1b, 1c, 1d, 1e, 2a, 2b MCQ, OSCE, KF 1a, 1b, 1c, 1d, 1e, 2a, 2b
6.	Is able to discuss risks, benefits, and expected outcomes of nonsurgical and surgical management of urge incontinence.		
NEURO	DSTMULATION		

1.	Understand the indications for neurosacral modulation in the treatment of lower tract		
	dysfunction, including recalcitrant detrusor		
	overactivity, non-obstructive urinaryretention		
	and painful bladder syndrome.		
2	Understand the theory of the mechanism of		
۷.	neuromodulation.		
3.	Understand the alternative techniques available,		
	including posterior tibial nerve stimulation and		
MIVED			
Objecti	ve: The resident should understand the		
princip	es involved in the diagnosis and treatment of		
mixed	incontinence.		
			MCQ, 2a, 2b
1.	Understand the definition of mixed urinary	к	
	incontinence.		
2.	Understand the combination of underlying	к	MCQ, 2a, 2b
	abnormalities leading to this condition.		
2	Understand the clinical presentation of the	v	MCO 22 2h
5.	condition and other conditions from which it	N	MCQ, 2a, 20
	must be distinguished.		
	5		
4.	Understand that a mixed condition may require	К	MCQ, 2a, 2b
	a mixture of treatments for optimal bladder		
	components). These modalities may include		
	pelvic floor muscle exercises with or without		
	biofeedback, electrical stimulation,	к	MCQ, 2a, 2b
-	pharmacotherapy, and/or surgical repair.		
5.	Describe the possible outcomes of initial treatment (i.e. $S \pm U$ both better: S better U		
	the same or worse: S the same or worse		
	better; $S + U$ both unchanged or worse), and		
	how to adjust treatment to treat the persistent		
	symptoms.		
Objecti	NG ABNORMALLITES		
underst	tand the management of abnormal voiding.		
includir	ng urinary retention with associated urinary		
inconti	nence.		
	Understanding the second second second second	К	MCQ 2a, 2b
1.	voiding in women		
	volding in women		
2.	Understand the terminology related to	к	MCQ 2a, 2b
	mechanism of voiding, including valsalva		
2	voiding, and post-void residual.	17	MCO 2- 2h
3.	Understand the various definitions of a normal DVP	ĸ	MCQ 2a, 2b
4.	Understand the pathophysiology of abnormal	к	MCQ 2a, 2b
	voiding, including urethral obstruction and		
	detrusor hypoactivity.		
1		1	1

5.	Understand the relationship between pelvic floor surgery and postoperative voiding difficulties.Understand the clinical presentation of abnormal voiding. Understand the terminology for symptoms of abnormal voiding, including intermittency, hesitancy, straining, incomplete emptying and dribbling. Understand the complications associated with urinary retention.	κ	MCQ 2a, 2b
6.	Understand the evaluation of abnormal voiding, including simple and complex uroflowmetry, and pressure-voiding studies.Understand the urodynamic catergories of bladder outlet obstruction, detrusor sphincter dyssynergia, detrusor underactivity and acontractile detrusor.	κ	MCQ 2a, 2b
7.	Understand the various treatments used for this condition and their risks and benefits, including intermittent self-catheterization, double voiding, Crede maneuver, cholinergic drugs and sacral neuromodulation.	K, D	MCQ. OSCE, KF 2a, 2b
URINA Objecti treat ac urinary women	RY TRACT INFECTION ve: The resident should be able to diagnose and cute, persistent and recurrent infection of the tract in both pregnant and non-pregnant		
1.	Understand terminology (e.g. asymptomatic bacteriuria, sterile pyuria, persistent infection, recurrent infection)	К	MCQ 2a, 2b
2.	Understand pathophysiology (e.g. host responses, age relationship, urinary retention, influence of pregnancy, etc.)	К	MCQ 2a, 2b
3.	Understand the relationship between host susceptibility factors, anatomy, and bacterial virulence factors as they relate to infection risk and renal involvement.	к	MCQ 2a, 2b
4.	Understand clinical presentation (e.g. influence of site of infection upon clinical picture, difference between complicated and uncomplicated infections)	к	MCQ 2a, 2b
5.	Understand methods and significance of diagnostic techniques and indications for in- depth evaluation	К	MCQ 2a, 2b
6.	Understand modes of therapy for acute and chronic infection.	K,D	MCQ, OSCE, SP, KF 1a, 1b, 1c, 1d, 1e, 2a, 2b
7.	Understand indications for and methods of prophylaxis for recurrent disease.	K,D	MCQ, OSCE, SP,KF 1a, 1b, 1c, 1d, 1e 2a, 2b
FAINE	UL BLAUDER STRUKUME		

1. 2.	Understand the ICS terminology of painful bladder syndrome, and differentiate this form other pain syndromes, eg painful urethra / vulva / vagina / pelvis syndromes. Understand signs and symptoms of painful bladder syndrome. Understand the role of graded questionnaires in the evaluation.		
3.	Understand the indications for endoscopy and radiologic studies in the evaluation		
4.	Understand the various proposed mechanisms of pathophysiology, including epithelial GAG layer disruption, potassium permeability, and neuropathic		
5.	Understand the treatment modalities available, including intra-vesical instillations, oral re- coating therapy, analgesics andneuromodulation. Understand the indication and success of operative intervention, such as augmentation cytoplasty, ileal diversion and cystectomy		
URETH	IRAL DISORDERS		
Objecti	ve: The resident should demonstrate the ability		
diagno: urethra	se and manage conditions referable to the		
1.	Understand the definitions of painful urethral syndrome, infectious urethritis, atrophic urethritis, urethral prolapse and urethral diverticulae.	к	MCQ 2a, 2b
2.	Understand pathophysiology infectious urethritis, atrophic urethritis, urethral caruncle and urethral diverticulae.	к	MCQ 2a, 2b
3.	Understand clinical presentation of infectious and noninfectious urethritis, atrophic urethritis, urethral prolapse and urethral diverticulae	К	MCQ 2a, 2b
4.	Understand role of urethral cultures, endoscopy and radiologic studies in the evaluation of urethral disorders.	к	MCQ 2a, 2b
5.	Understand methods of prophylaxis and treatment, both medical and surgical, and their indications and contraindications.	к	MCQ 2a, 2b
INTRA Objecti	OPERATIVE INJURIES		
to prev	ent, identify, and manage urinary tract injuries		
which o	occur during pelvic surgery. He/she should show		
an und	erstanding of appropriate surgical repair of these		
respon	s, although ne/she may not always be since the second second second second second second second second second s		

1.	Understand the normal and variant anatomical relationships of the ureter, bladder, and urethra to the female reproductive tract.	К	MCQ 2a, 2b
2.	Demonstrate the accepted precautions necessary to prevent urinary tract injury.	D	MCQ, OSCE, OSAT 1f, 2a, 2b
3.	Enumerate the investigations used to diagnose urinary tract injury both intraoperatively and postoperatively	D	MCQ 2a, 2b
4.	Describe, perform or call for consultation the management of these injuries when discovered immediately at the time of surgery based on location of injury status of operative field (e.g. Infection, malignancy), and condition of the patient.	D	MCQ,OSAT, SP, KF 2a, 2b
5.	Describe, perform or call for consultation the management of urinary tract injury when discovered in the postoperative period or later.	D	MCQ, OSCE, SP, KF 2a, 2b
URINA	ARY TRACT FISTULAE		
Objecti of the e manage	ves: The resident should demonstrate knowledge etiology, prevention, recognition, diagnosis, and ement of fistulae involving the urinary tract.		
1.	Understand the difference between congenital and acquired lesions	К	MCQ 2a, 2b
2.	Understand the risk factors for the formation of acquired urinary tract fistulae. Understand methods of preventing or minimizing the influence of these factors.	К	MCQ 2a, 2b
3.	Understand the classification of urinary tract fistulae including vesicovaginal fistulae, ureterovaginal fistulae, urethrovaginal and uterovaginal fistulae and how to identify and diagnose the types.	КН	MCQ, KF, OSAT 2a, 2b
4.	Know the clinical presentation of a urinary tract fistula	К	MCQ, OSCE, SP 2a, 2b
5.	Understand the evaluation of fistula tracts. Understand the role of office tests in the evaluation. Understand the indications for cystoscopy and radiologic studies in the evaluation.	к	MCQ 2a, 2b
6.	Understand the treatment approaches to urinary tract fistulae based upon etiology, size, and location. Understand the use of vascularized grafts, both vaginal and abdominal, in select patients.	к	MCQ 2a, 2b
HEMA	FURIA / NEOPLASIA		
Objecti	ve: The resident should be able to screen for and		

evaluat urinary in the f	te hematuria, and be aware of the potential for r tract neoplasia female patient.		
1.	Understand the definition of hematuria and microhematuria, and their relationship to RBC's versus dipstick on the urinalysis.	к	MCQ 2a, 2b
2.	Understand the clinical presentation of the various lesions that can cause hematuria, both benign and malignant.	к	MCQ, OSCE, KF, SP 2a, 2b
3.	Understand the steps in evaluation of hematuria. Know theindications for referral to evaluate focal lesions.		
4. PELVI	Understand the management of these lesions. C ORGAN PROLAPSE	К	MCQ 2a, 2b
Objecti unders factors organ	ive: The resident should demonstrate an tanding of the prevalence, etiology, predisposing , and symptomatology associated with pelvic prolapse.		
1.	Understand the normal support of the vagina (Levels I, II, and III), uterus, bladder, and rectum.	К	MCQ 2a, 2b
2.	Understand the anatomic and structural factors associated with pelvic organ prolapse.	к	MCQ 2a, 2b
3.	Understand the neuromuscular changes in the pelvic floor associated with genital prolapse.	к	MCQ 2a, 2b
4.	Understand the relationship of childbearing, age, hormonal factors, and genetic factors to pelvic organ prolapse.	к	MCQ 2a, 2b
5.	Understand the anatomic and symptomatic consequences of abnormal pelvic floor support.	k	MCQ 2a, 2b
DIAGN	NOSIS		
Objecti the sev associa	ive: The resident should be able to identify, stage verity of, and discern the symptomatology ated with pelvic organ prolapse.		
1.	Understand the anatomy of various anterior vaginal wall defects, including midline, lateral, and transverse cystocele and anterior enterocele.	К	MCQ 2a, 2b
2.	Understand the anatomy of various defects in uterine support, including attenuated cervical ligaments, detachment of the pubocervical ring, cervical elongation and combined defects. Understand the anatomic defects associated with post-hysterectomy apical prolapse, including vault detachment, apical enterocele, anterior enterocele, posterior enterocele and	К	MCQ 2a, 2b

	combined defects.		
3.	Understand the anatomy of various posterior vaginal wall defects, including rectocele, perineal descent, and posterior enterocele.	к	MCQ 2a, 2b
4.	Understand the anatomy of different perineal defects, including bulbocavernosis muscle attenuation, external anal sphincter defects, recurrent fourth degree lacerations, and cloaca.	к	MCQ 2a, 2b
5.	Understand the criteria for staging of pelvic organ prolapse according to the International Continence Society (ICS) grading system and how it compares with the other classification systems.	к	MCQ 2a, 2b
6.	Perform a pelvic organ prolapse assessment according to the POP-Q guidelines.	К	MCQ, OSCE 1f, 2a, 2b
7.	Know the symptoms associated with various types and increasing stage of pelvic organ	К	MCQ 2a, 2b
8.	Recognize the frequent disparity between objective anatomic findings and clinical symptoms	К	MCQ 2a, 2b
TREAT	MENT OF PELVIC ORGAN PROLAPSE		
patient	ng treatment and establish a plan of treatment		
for the pat	ient with pelvic organ prolapse.		
1	Understand the indications for treatment K	v	MCO 25 2h
1.		ĸ	
2.	Understand the nonsurgical options for treatment, including care and use of pessaries, and administration of vaginal estrogen.	к	MCQ 2a, 2b
3.	Understand the possible side effects of nonsurgical treatment, such as infection, ulceration, urinary incontinence or retention associated with pessary use.	кн	MCQ 2a, 2b
4.	Understand the options for surgical correction by vaginal, abdominal, laparoscopic, and combined routes based on anatomy, functional needs, and health status of the patient. Understand the difference between obliterativeand restorative repairs, and the indication for each.	к	MCQ, OSATS, SP,KF 2a, 2b
5.	Know and be able to perform the various operative repairs appropriate to the treatment of pelvic organ prolapse. Understand the relative indications and contra-indications to uterine or cervical preservation in performance of surgical repairs. Understand the traditional	к	MCQ, OSCE< SP 2a, 2b

procedures for uterine suspension.(See .Procedures., page 16)		
6. Understand the outcome and possible complications of surgical correction.	D	OSCE, SP 1e, 4a, 4b, 2a, 2b, 5a, 5b, 5c
 Be able to counsel the patient on treatment plan, including side-effects, risk, failure, and complications. 	К	MCQ 6a, 6b, 6c
 Recognize the economic impact of pelvic organ prolapse in the United States Understand the psychological, social, and sexual impact of pelvic organ prolapse 	к	MCQ 1e, 5c
GRAFTS Objective: The resident should understand the indications for use of grafts materials in pelvic reconstructive surgery, their characteristics and their potential complications.		
 Understand the categories of graft materials, eg biografts (autografts, allografts, xenografts) and synthetics grafts. 		
 Understand the vital characteristics of synthetic grafts,eg pore size, mono versus polyfilament, materials type. 		
 Understand the relative indications for, and complications ssociated with, each category of grafts. 		
 Understand the management of graft complications, bothsurgical and non-surgical. 		
FECAL INCONTINENCE Objective: The resident should be able to demonstrate an understanding of the prevalence, etiology, predisposing factors, symptomatology, and management of fecal incontinence.		
 Understand the different types of fecal incontinence, including anal incontinence, their causes, symptom complexes, physical findings, and distinctions. 	к	MCQ 2a, 2b
 Understand the functional, anatomic, and neurologic abnormalities which may be associated with fecal incontinence. Including the role of stool consistency, colon transmit time, anorectal sensation, the coordination of rectal emptying with pelvic floor muscle relaxation, and anorectal muscle tone in the maintenance of fecal control. 	К	MCQ 2a, 2b
3. Understand the autonomic and somatic neurologic control of anorectal function.	К	MCQ 2a, 2b
4. Understand the use and limitations of physical	K,D	MCQ, OSCE, KF, SP

	examination, indications for anal manometry, pudendal nerve terminal motor latencies, anal sphincter electromyography, and radiographic imaging studies.		1a, 1b, 1d, 1f 2a, 2b
TREAT	MENT OF FECAL INCONTINENCE		
1.	Understand the role of paralytic agents, dietary modification, bulking agents, paralytic agents,pelvic floor physiotherapy, electrical stimulation therapy and enemas used in the managementof anorectal incontinence.	к	MCQ. OSCE, SP, KF 1a, 1b, 1d, 1f, 2°, 2b
2.	Understand the indications, risks and benefits, and success of various surgical approaches to specific types of fecal incontinence, including overlapping anal sphincteroplasty, gracilis muscle transposition, artificial anal sphincter. Role of newer available surgical options (sacral modulation) in treating patients with fecal incontinence. (Dis Colon Rectum 2004 Aug;47(8), 1350-7. Indications for diversion colostomy for patients with recurrent fecal	К	MCQ 1a, 1b, 1d, 1f 2a, 2b
3.	Counsel the patient on the cost, risks and benefits and expected outcome for nonsurgical and surgical management of fecal incontinence.	D	OSCE, SP 1e, 2a, 2b, 4a, 4b, 5a, 5b, 5c
4.	Recognize the economic impact of fecal incontinence in the United States.	к	MCQ 6a, 6b, 6c
5.	Understand the psychological, social, and sexual impact of fecal incontinence.	к	MCQ 1e, 5c
GASTROINTESTINAL TRACT FISTULAE Objective: The resident should demonstrate an understanding of the prevalence, etiology, predisposing factors, prevention, recognition, symptomatolgy, diagnosis and management of gastrointestinal tract fistulae.			
1.	Understand factors leading to the formation of gastrointestinal tract fistulae including the role of vaginal delivery, abdominal pelvic surgery, diverticular disease, inflammatory bowel disease, neoplasm and radiation.		
2.	Understand methods of preventing and minimizing the influence of these factors.		
3.	Understand the classification of gastrointestinal tract fistulae including enterocutaneous, enterovaginal, colovesicular, colovaginal, and rectovaginal fistulae and how to identify and diagnose the types.		
4.	Know the clinical presentation of GI tract fistulae.		

5. Understand the treatment approaches to GI tract fistulae based upon etiology, size and location. Describe the surgical and nonsurgical management of rectovaginal fistulae including how to decide on the approach eg. abdominal, vaginal, transanal, transperineal or a combination. Understand the use of diverting colostomy.		
DEFECATION DISORDERS AND CONSTIPATION Objective: The resident should demonstrate an understanding of normal bowel function and how abnormal bowel function relates to other pelvic floor path physiology.		
 Understand normal bowel function from ingestion to defecation. K 	к	MCQ 2a, 2b
 Understand the conditions of constipation, defecation disorder, irritable bowel syndrome, nonrelaxing puborectalis, intussusception and rectal prolapse. 	к	MCQ 2a, 2b
 Understand the relationship between defecation disorders, perineal descent, pelvic organ prolapse, rectalprolapse and neuromuscular function of the pelvis. 	к	MCQ 2a,2b
4. Understand the role of stool consistency, colon transmit time, anorectal sensation, the coordination of rectal emptying with pelvic floor muscle relaxation, and anorectal muscle tone in the maintenance of normal bowel function from ingestion to defecation.	к	MCQ 2a.2b
 Understand the use of physical examination, anal manometry, pudendal nerve terminal motor latencies, sphincter electromyography, and radiographic imaging studies, including defacography and transit studies, in the evaluation of constipation and defecation disorders. 	DK	MCQ, OSCE, KF, SP 1a, 1b, 1d, 1f 2a, 2b
TREATMENT OF DEFECATION DISORDERS AND CONSTIPATION		
 Understand the non-surgical techniques for prevention and treatment of defecation disorders and constipation, including, bowel stimulating agents, bulking agents, pelvic floor physiotherapy, enemas, dietary modification, promotion of improved bowel habits, and electrical stimulation. 	ĸ	MCQ, OSCE, SP, KF 2a, 2b
 Counsel the patient on the cost, risks and benefits and expected outcome for nonsurgical and surgical management of constipation. 	D	OSCE, SP 1e, 2a, 2b, 4a, 4b, 5a, 5b, 5c
Recognize the economic impact of constipation in the United States.	к	MCQ 6a, 6b, 6c

FEMALE SEXUAL FUNCTION Objective: be able to demonstrate an understanding of the normal female sexual function and how abnormal sexual function relates to other pelvic floor pathophysiology.		
1.	Understand the normal biologic sexual response in woman as it relates to the genital and extragenital sexual structures.	
2.	Be able to discuss the role of psychological and biological factors in a woman's sexual response.	
3.	Be able to compare and contrast the model by Masters, Johnson and Kaplan to the biopsychosocial model of Basson.	
4.	Understand the role of neurotransmitters and receptors in normal sexual function including estrogen, total and free testosterone, SHBG, DHEA and PDE-5.	
5.	Understand the use of Quality of Life (QOL) questionnaires.	
6.	Understand the affect of pelvic organ prolapse, incontinence and pelvic pain on sexual function.	
Objecti unders predisp diagnos dysfund	ve: The resident should demonstrate an tanding of the prevalence, etiologies, posing factors, recognition, symptomatology, sis and management of female sexual ction.	
1.	Understand the international consensus development conference classification of female sexual	
2.	Understand the treatment approaches to FSD based on the classification.	
3.	Understand the various treatment modalities including psychotherapy, couples counseling, behavioral modification, physical therapy, various devices and lubricants and the indications for pharmacotherapy including its strengths and limitations.	
4.	Be able to take a complete history including sexual, psychosocial and medical and perform a complete physical exam as it relates to sexual function.	
5.	Understand the use and limitations of the physical examination, Quality of Life questionnaires and laboratories tests in the diagnosis and management. Be able to develop an individualized treatment plan including when	

	to refer for further evaluation.		
PROCE	DURES		
	vident should understand the methodology of the		
various	surodynamic evaluations, the information each		
can pro	wide and the limitations attached to each study		
He/she	should be able to put together a minimum		
workup	o for a patient presenting with lower urinary tract		
compla	ints. The resident should understand:		
a. term	ninology		
b. vario	ous methods, instruments, media, and		
technic	ues for performing the test		
c. the i	nformation of value to be gleaned from the test		
d. the	limitations of the test	КН	
e. the	thed including performance of the study in		
various	anou, including performance of the study in		
f. signi	ficant controversies in the interpretation or		
usefuln	less of the test when the problem encountered is	D	
beyond	I the scope of the test and what to do next.	-	
a. Sing	le channel cystometry		
a. Mult	i-channel cystometry		
b. Prof	ilometry		
c. Radi	ography		
d. Urof	lowmetry	K	
e. Elect		ĸ	
a. Ultra	asonography		
PRIMA	ARY ANTI-INCONTINENCE PROCEDURES		
1.	Understand and perform an open retropubic	_	
	suspension. Understand the various laparoscopic	D	
	approaches to retropublic urethropexy.		
	modification		
	mouncation.		
2.	Understand the difference between a	D	
	pubovaginal and mid-urethral sling. Understand	_	
	and perform a mid-urethral sling, using either a		
	retropubic ortrans-obturator approach.		
		КН	
3.	Understand a urethral bulking procedure.		
APICA	L VAGINAL SUSPENSION WITH		
HYSTE	RECTOMY		
		_	
1.	Understand and perform an open abdominal	D	
	uterosacral reattachment. Understand the		
	laparosocpic uterosacral reattachment.		
	sac obliteration		
	Sue obliceration.		
2.	Understand and perform a vaginal uterosacral	D	
	suspension. Understand the use of cul de sac		
	obliteration.		

3. Understand an abdominal sacrocolpopexy, using both open and laparosocpic approaches.	КН
 Understand a sacrospinous ligament suspension, using both unilateral and bilateral approaches. 	КН
5. Understand an iliococcygeus fascia suspension.	КН
APICAL VAGINAL SUSPENSION WITH UTERINE	
1. Understand the traditional procedures for uterine suspension, eg round ligament suspension, Manchester procedure, LeFort partial colpocleisis and uteropexy.	КН
APICAL VAGINAL SUSPENSION AFTER PRIOR	
HYSTERECTOMY 1. Understand the vaginal versus abdominal versus combined approaches. Understand the use of cul de sac obliteration and graft augmentation.	КН
ANTERIOR COMPARTMENT REPAIRS 1. Understand and perform an anterior colporrhaphy.	D
 Understand and perform an open abdominal paravaginalrepair. Understand a laparoscopic paravaginal repair. 	D
3. Understand a vaginal paravaginal repair.	КН
 POSTERIOR COMPARTMENT REPAIRS Understand and perform a posterior colporrhaphy, and differentiate from a site specific repair. D 	D
2. Understand and perform a perineorrhaphy. D	D
3. Understand a vaginal paravaginal repair. KH	КН
4. Understand an external anal sphinteroplasty. Understand a cloaca repair. KH	кн
COLPOCLIESIS	КН
difference between a partial and complete colpocleisis.	
CYSTOSCOPY	
 Understand and perform a cystoscopy. Be able to identify the normalanatomic landmarks, and abnormal lesions.D. KH 	ОКН
 Understand a hydrodistension procedure for Chronic Interstitial Cystitis. KH 	КН
3. Understand a bladder biopsy.D	D

URETHRAL DIVERTICULUM	
 Understand the difference between a traditional 	I KH
diverticulum repair and a Spence procedure.	
URINARY TRACT INJURIES	
 Understand and perform the repair of an 	DKH
uncomplicated cystotomy. Understand the	
repair of a complicated cystotomy.	
	КН
Understand the different approaches to repair of	of
an ureteral injury. Understand the placement o	of
ureteral stents.	КН
Understand the repair of a urethral injury.	
FISTULAE	
 Understand a vesicovaginal fistula repair. 	КН
Understand a rectovaginal fistula repair.	КН
Understand a urethrovaginal fistula repair.	КН
Understand ureterovaginal fistula repair.	КН
5. Understand a uterovaginal fistula rapair.	КН
CYSTOMETRY	
 Understand and perform a single channel 	D
cystometry	NH
2. Understand a multi-channel cystometry	
PESSARY FITTING	
 Understand and perform pessary fitting. 	D
SELF CATHERIZATION	
 Understand and perform/be able to teach 	D

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