# On top of everything else, I am supposed to teach, too?

Insights and suggestions for Attending Physicians, CNMs, NPs & PAs regarding Medical Student Education

> John J. Folk, MD Clerkship Director, Obstetrics & Gynecology





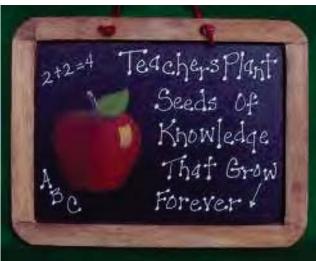


### The Triad of an **Academic-Clinical Career** Patient Care Education

Research







### The Triad of an Academic-Clinical Career

- As individuals, we focus most of our time on one of these essential components of medicine and then struggle to do the best we can to contribute in the other areas (usually clinical practice > teaching > research)
- As a clinical department, Obstetrics & Gynecology has a profound responsibility in the area of patient care
- Education is also an essential component of how that care is effectively rendered, for our patients now and for those that will come to us in the future
- Research is also an essential component of how that care is effectively rendered, as research guides how we take care of our patients and how we educate others to care for their patients

### The Triad of an Academic-Clinical Career

- When we joined the Department of Obstetrics & Gynecology, SUNY Upstate Medical University we were given one of a wide variety of titles:
  - Advanced Practice Nurse
  - Allied Health Professional
  - Clinical Instructor
  - Assistant Professor
  - Associate Professor
  - Professor
- At any point during our formal education or training, when did we learn how to teach?



### **Topics**

- 1. What is our curriculum and where does it come from?
- 2. Teacher/Student relationship
- 3. Student evaluation of Teachers
- 4. Teacher evaluation of Students
- **5. Improving our teaching**
- 6. Summary Points



- Abraham Flexner
- 1866 1959 (no doctoral degree)
- Prepared report published 1910 "Medical Education in the United States and Canada"
- Request Carnegie Foundation for the Advancement of Teaching
- Basis medical school curriculum 1910 – now
- "I want to influence in some measure the life of my times...through education."

#### • Published guidelines from:

- Undergraduate Medical Education Committee [UMEC] of the Association of Professors of Gynecology & Obstetrics [APGO]
- APGO Medical Student Education Objectives, 9<sup>th</sup> Edition ©2009
- "define a central body of women's health knowledge, skills and attitudes that are fundamental to the practice of a general physician, and are intended to provide clerkship directors, faculty and students with a resource for curriculum development, teaching and learning."
- Establish defined educational objectives

- APGO Medical Student Educational Objectives:
  - <u>Educational Objectives</u>: 17 broad Educational Objectives that form the foundation of curriculum design for a Clerkship rotation and formulating minimal experiences and expectations; divided into 58 Educational Topic Areas
  - <u>Educational Topic Areas</u>: used to organize curriculum for teaching & clinical experience to assure exposure in one form or another to 58 Topic Areas
  - Intended Learning Outcomes: define expectations for students on our Clerkship.

- 17 APGO Educational Objectives: by the conculsion of 3<sup>rd</sup> year medical student OB GYN clerkship, the student must:
  - Medical interview & physical exam of women; incorporate ethical, social & diversity perspectives
  - Prevention strategies throughout their lifespan
  - Role as leader & advocate for women
  - Pre-conception care (genetics, medical conditions & environmental factors; maternal health & fetal development)
  - Normal physiologic changes of pregnancy & interpretation common diagnostic studies
  - Common problems in OB
  - Intrapartum care
  - Postpartum care of mother & newborn

- 17 APGO Educational Objectives: by the conculsion of 3<sup>rd</sup> year medical student OB GYN clerkship, the student must:
  - Menstrual cycle physiology, discuss puberty, menopause, explain normal & abnormal bleeding
  - Etiology & evaluation infertility
  - Contraception, including sterilization & abortion
  - Common benign GYN conditions
  - Differential diagnosis acute abdomen & chronic pelvic pain
  - Common breast conditions; evaluation breast complaints
  - Perioperative care & GYN procedures
  - GYN malignancy (including risk factors, signs & symptoms and initial evaluation
  - Preliminary assessment sexual concerns

- UMEC APGO
  - Objectives that span the 3<sup>rd</sup> Year OB GYN clerkship and all other clerkships
  - Part of a interdisciplinary curriculum to provide competent health care for women
  - Medical schools
  - Professional & academic medical organizations
  - Applicable government agencies (federal, state, county, municipal)
  - Public
  - These skills should be possessed by every physician regardless of practice focus or specialty

- History
- Physical examination
- Diagnosis & management plan
- Pharmacology
- Preventative care
- Environmental exposures
- Immunizations
- Nutrition
- Psychiatric & behavioral problems
- Menstrual cycle & abnormalities
- Premenstrual syndrome
- Menopause
- Adolescence
- Autoimmune diseases

- Cardiovascular diseases
- Pulmonary diseases
- Neurological diseases
- Urinary tract disorders
- Gastrointestinal disorders
- Breast disease
- Vulvar & vaginal disease
- Pelvic pain
- Gynecologic malignancies
- Spontaneous abortion & ectopic pregnancy
- Maternal-fetal physiology
- Preconception, antepartum and postpartum care
- Social history

- <u>Fitting into the big picture</u>: SUNY Upstate Medical University College of Medicine [COM], Liaison Committee on Medical Education [LCME] and the MS III OB GYN Clerkship
- The Medical Program Objectives are based on six competencies
- Each Medical Program Objective is broken down into six sub-objectives
- Each Clerkship within COM is charged to cover all aspects of these Medical Program Objectives within the structure of the clerkship curriculum
- Bringing the objectives of UMAC APGO, LCME and COM together into a cohesive whole is our prime directive

PUBLISHED IN COLLABORATION WITH ACOG

#### OBSTETRICS and GYNECOLOGY

Sixth Edition



Charles R.B. Beckmann Frank W. Ling Barbara M. Barzansky William N.P. Herbert Douglas W. Laube Roger P. Smith



- National Board of Medical Examiners [NBME] gives Part I, II, & III of licensing exam
- NBME also gives Shelf exam for OB GYN
- NBME partnered with APGO to create OB GYN curriculum
- APGO partnered with ACOG to write this textbook
- Textbook framework & content matches national OB GYN curriculum

#### Responsibility of Teachers

- Treat students with respect and fairness
- Treat students equally regardless of age, gender, race, ethnicity, national origin, religion, disability or sexual orientation
- Provide current information
- Use an effective format to teach
- Be on time
- Provide timely feedback with specific constructive suggestions, opportunities for improvement or remediation when necessary

- Responsibilities of Students
  - Treat other students and teachers with respect and fairness
  - Treat all other students and teachers equally regardless of age, gender, race, ethnicity, national origin, religion, disability or sexual orientation
  - Commit at least enough time and energy to studies necessary to achieve goals and objectives of the course
  - Be on time for didactic, investigational and clinical activities
  - Communicate concerns, suggestions about curriculum, didactic methods, teachers, or learning environment in a respectful, professional manner

- Inappropriate behavior
  - Unwanted physical contact or threat of contact
  - Sexual harassment
  - Harassment or discrimination based on age, gender, race, ethnicity, national origin, religion, disability or sexual orientation
  - Loss of personal civility
  - Requests for personal errands unrelated to didactic, investigational or clinical issues at hand
  - Grading or evaluation based on factors unrelated to performance, effort, or level of achievement

- Teacher concerned regarding a Student:
  - <u>Basic Level</u>: address situation as soon as possible, non-confrontational manner between teacher and student in real-time
  - <u>Next Level</u>: address with Clerkship Director, Division Director, and/or Department Chair
  - Higher Level: (most formal and serious level) Associate or Assistant Dean, Office of Student Affairs where appropriate action will be assessed including referral to other offices or programs within administration of COM

- Student concerned regarding a Teacher:
  - <u>Basic Level</u>: most effective method to address a situation may be as soon as possible in a non-confrontational way between individuals involved
  - Offending individuals are often not aware the behavior was offended someone
  - "When you said or did (fill in description emotional response). "Please do not do that again"
  - Works as well for teacher concerned regarding a student

- Student concerned regarding a Teacher (continued):
  - <u>Next Level</u>: Senior or Chief Resident, Clerkship Director, Division Director or Department Chair
  - <u>Higher Level</u>: Associate Dean or Assistant Dean, administration within the COM
  - Meetings can range from informal discussions for advice for how to deal with a situation up to a formal process or complaint as needed

- Understanding what areas students evaluate teachers can help the teachers be more mindful of how they teach
- Teachers that are aware of what is being evaluated can make adjustments to the areas that may be of concern
- There are 12 areas students evaluate their teachers during a clerkship rotation

#### • (1)Teaching skills:

- <u>Poor performance</u>: teacher disorganized, fragmented, explanations unclear, illogical
- <u>Ideal performance</u>: teacher involved, organized, enthusiastic; skill explaining difficult or complex subjects
- (2)Expectations:
  - <u>Poor performance</u>: teacher not aware of student's educational needs or issues
  - <u>Ideal performance</u>: teacher clearly defines student expectations from beginning of experience

- (3)Supportive learning environment:
  - <u>Poor performance</u>: uncomfortable learning environment
  - <u>Ideal performance</u>: positive and supportive learning environment
- (4) Feedback:
  - <u>Poor performance</u>: teacher provides no feedback or only non-constructive or nonspecific feedback
  - <u>Ideal performance</u>: teacher provides constructive feedback in a timely manner

- (5) Availability:
  - <u>Poor performance</u>: teacher never available or highly inconvenienced to be available
  - <u>Ideal performance</u>: teacher available and approachable; makes an effort to accommodate
- (6) Role model for patient care:
  - <u>Poor performance</u>: teacher displays insensitivity or lack of understanding patient's needs
  - <u>Ideal performance</u>: teacher provides respectful and compassionate care; obvious concern for patient's needs

#### • (7)Student participation:

- <u>Poor performance</u>: teacher unwilling to have students participate in patient care
- Ideal performance: teacher actively involves students in patient care and decision-making
- (8)Professionalism:
  - <u>Poor performance</u>: teacher frequently irresponsible, unreliable, often late
  - <u>Ideal performance</u>: teacher is responsible, reliable, cooperative, respectful, on time, provides leadership

- (9)Interaction:
  - <u>Poor performance</u>: teacher does not interact well with patients, students, residents, staff, and/or colleagues
  - Ideal performance: teacher consistently caring, respectful, empathetic to all members of team
- (10)Cultural sensitivity:
  - <u>Poor performance</u>: teacher does not recognize or respect cultural, gender or socioeconomic differences; stereotypes, ridicules differences
  - <u>Ideal performance</u>: teacher consistently recognizes and respects cultural, gender and socioeconomic differences among patients, students and colleagues

#### • (11)Overall effectiveness:

- <u>Poor performance</u>: when a student hopes to never have to work with a teacher again ever
- Ideal performance: when a student would enthusiastically work with a teacher again and recommends the teacher to other students
- (12)Mistreatment:
  - When a student has reported that he or she has personally been mistreated by a teacher
  - Refer to addressing concerns on <u>basic</u>, <u>next</u> and <u>higher</u> levels

- How do we comment and grade a clinical learning experience with a student?
- What specific areas are we asked to comment and grade and why?
- The Accreditation Council on Graduate Medical Education [ACGME]
  - Established six medical competencies
  - Measurable goals or outcomes
  - Universal language for all teachers in all departments across the United States as a whole
  - Document competence in a number of areas beyond medical knowledge or technical skill

		RESIDENT EVALUATION O				
Student's Name		Dates Covered By Report Faculty Member or Resid	lent Completing Form	1		
	and the second second		1.5	2	union laking skills	
pertinetit information. Interview disorganized or incomplete. Fails to recognize or pursue obvious applications	omissions or excessive unrelated detail. Often poorly focused (May "miss the forest for the trees")	A state of the law of	<ol> <li>Cood history taking skills, appropriate, logical, and address t problems.</li> </ol>	e.g. skilted wit such as multipl psychosocial p		
PHYSICAL & MENTAL STATUS ) 5. madequate exam; major deficiencies in technique. Often fails to recognize findings. May disregard patient comfort	SEXAMINATION () 4. Frequently faulty technique. Exams often incomplete, disorganized or requires unreasonable time to complete. Often misses or misinterprets findings	() 3 Satisfactory technical skills Usually shows regard for patient comfort (Could improve thoroughness and / or efficiency. Sometimes misses or mounterprets	() 2. Good technical skills. Acc detects most findings. Shows n patient comfort.	egard for efficient exam	dt, detailed accurate and in Caraful attention to areas toblens identified in basisity regard for patient comfort	
		findings)		The second second	ellent records relative to	
RECORD KEEPING (WRITE-UI () 5 inadequate write-ups (May be fate, divorganized, use imacceptable format or abbreviations illegible, illogical assessment or plans)	S AND PROGRESS NOTES) () 4. Some omissions and inaccuracies in records. Occasionally lacks ability to organize information or analyze new data.	(.) 3. Adequate records. Attempts analyze problems. Documents diagnostic and therapeutic plan	() 2. Vary good records Ran diagnostic and therapeutic r documented.	arss well clerkship accurate, sheets, a reference	expectations (6.8 million unes problems fists / flow analysis of disagnosis or R.s., ors)	
ORAL PRESENTATIONS () 5 Frequently unclear and lacking basic structure. Has difficulty providing a coherent report. Omits providing a coherent report. Omits		() 3. Presentation complete (may be excessive or lacking in focus. Need to work on hrevity, synthesis or rationale.)	e () 2. Very good presental organized and complete unproved focus or more	May need concis promp	e and locused. One of the second	
extraneous information.	nrompts )			O muladas and TO	1 Excellent fund of knowledge and	
FUND OF KNOWLEDGE & UN O 5 Inadequate knowledge base or understanding of disease mechanisms.	DERSTANDING OF DISEAS ()4. Knowledge base below average; may have significant gap	MECHANISMS     ()3 Adequate overall knowledg     base. May seek new information	Soeks new information apply it	ase mechanisms. un and attempts to it	derstanding in classical tecks and critically appraises new aformation	
PROBLEM SOLVING AND CL	Generation in neority. Occurrently of the international index ability or again. International index ability of a set of the international of a staty or ever data in the international internatio	ate. () 3 Able to develop a basic differential for common proble Satisfactory integration of	in identitying and	am and lab/ study data	()) Excellent analysis and symplectical almical data. Ability to develop differential diagnosis and rationals for diagnostic or therapentic plans excess expectations.	
() 5 frequently unable to the problems. Thinking process often illogical, rarely integrates data. Often fails to consider alternative explanations for findings.	May show illogical thinking and inconsistent integration of data	pathophysiology and diagnostic	Lata. provide			
		prompting or direction		numication skills Relates	() 1 Excellent communication ski able to put patients and family ma	
RELATIONSHIPS WITH PAT	IENTS () 4. May have difficulty establishing rapport, communic or interacting with patients.	() 3. Able to develop sansfa rapport with most panents' f (May avoid difficulty or san isaues)	well to most par		<ul> <li>able to put patients and family not at case. Deals well with sensitive Relates well with difficult patient</li> </ul>	
patients' family a tempathy, wishes May lack empathy, compassion or flexibility. Inappropriate behavior or communication wit patient/ Family.						

- ACGME six medical competencies:
  - 1. Patient care [PC]
  - 2. Medical knowledge [MK]
  - **3.** Practice-based learning & improvement [LI]
  - 4. Interpersonal & communication skills [CS]
  - 5. Professionalism [PR]
  - 6. System-based practice and population health [PH]
- These 6 items are incorporated into the <u>Individual Faculty/Resident Evaluation of</u> <u>Student Competencies</u> form used for each student, all clerkship rotations, both campus sites of COM

#### (1)Patient care:

- Use information technology to support patient education and decision-making
- Perform appropriate medical and surgical procedures within the scope of OB GYN medical student practice
- Provide additional care with the goal of prevention & health maintenance
- Demonstrate ability to work effectively within the team providing coordinated & disciplined care

#### • (1)Patient care (continued):

- Communicate effectively; demonstrate caring respectful behaviors with patient and family
- Gather accurate essential information
- Make informed decisions regarding diagnostic and therapeutic interventions; take into account patient preferences, recent evidence, clinical judgment
- Develop and carry out management plans
- Develop skills communicating with patient and family

- (2)Medical knowledge:
  - Demonstrate investigatory and analytical thinking in approach to clinical issues as they arise
  - Understand how the basic and clinical sciences appropriate for OB GYN practice apply in OB GYN practice

- (3)Practice-based learning & improvement:
  - Analyze experience and perform practice-based improvement using systematic methodology
  - Locate, appraise & assimilate evidence from literature related to the patient's health problem
  - Obtain & use information about patient population & general population
  - Apply knowledge regarding study design & statistics to evaluate evidence-based literature
  - Use information technology to support education
  - Facilitate learning for other students and colleagues

- (4)Interpersonal & communication skills:
  - Create and sustain a therapeutic & ethically sound relationship with patient and family
  - Develop effective listening skills; be able to obtain & provide information using nonverbal, explanatory, questioning and writing skills
  - Work effectively with others as a member or a leader of the health care team

#### • (<u>5)Professionalism</u>:

- Demonstrate respect, compassion & integrity; demonstrate responsiveness to needs of patients, society that supersedes selfinterest, demonstrates accountability to patients, society & profession; commitment to excellence & ongoing professional development
- Demonstrate commitment to ethical principles pertaining to providing or withholding care, confidentiality, informed consent, business practice
- Demonstrate sensitivity & responsiveness to cultural, age, gender & disabilities

- (6)Systems-based practice:
  - Understand how an individual's practice might affect other practitioners, the health care organization & society at large and how the larger system impacts locally and with individual
  - Know how different types of medical practice differ from each other, including measures to control cost
  - Practice cost-effective health care & distribution of limited resources that limits impact on quality of care
  - Advocate for quality care; assist patients with system complexity
  - Know how to partner with health care managers & other providers to assess, coordinate & improve outcomes, system performance

- Individual competencies on the SUNY Upstate COM form include:
  - History taking
  - Physical & mental status examination
  - Record keeping (write-ups & progress notes)
  - Oral presentations
  - Fund of knowledge & understanding of disease mechanisms
  - Problem solving & clinical application
  - Relationships with patients

- Individual competencies on the SUNY Upstate COM form include:
  - Professional relationships
  - Attitudes & behaviors
  - Participation (scheduled & spontaneous events)
  - Additional information/comments unique to the individual student
  - Overall clinical performance

- Grading performance
  - Five items on the scale SUNY COM
  - Numerical scale runs from 0 2
  - Each item and an overall score is recorded
  - 1. 0.0 = does not meet expectations (failure)
  - 2. 0.5 = below average (poor)
  - 1.0 = clearly meets expectations (passing; but just passing)
  - 4. 1.5 = clearly meets expectations, excels in a few areas (High Pass eligible)
  - 5. 2.0 = excellent, top performance, excels frequently (Honors eligible)

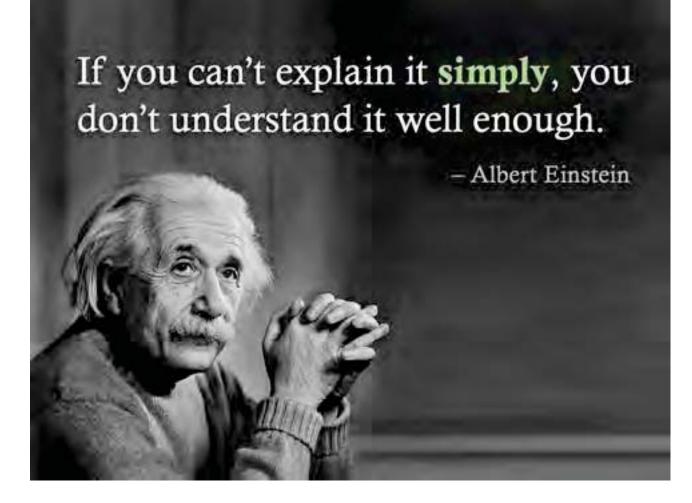
- Individual Faculty/Resident Evaluation of Student Competencies form: hints for filling out
  - Try to be as generous as the criteria & your judgment will allow
  - Remember not so long ago you were a medical student
  - Do not bring in irrelevant issues to the grading
  - Make comments match the numbers: many times forms give mediocre scores and the student is described as excellent or visa versa
  - Remember to evaluate at the level of the learner; not at your level or some perfect ideal in the stratosphere
  - Be specific: "does not read enough" is almost useless; define what topic area(s) seemed weak to focus reading
  - Remember that these forms are essential; we use them for mid-clerkship evaluations and final grades extensively (45% of final grade for each student is based on clinical applications performance)

- Recognize that 45% (the major portion) of the student's final grade is determined by clinical experience and your evaluation
- Be friendly (if it is a horrible day; fake it)
- Incorporate students into the ebb-and-flow of the work day
- Make a point to invite them to see specific patients and accomplish specific tasks
- Introduce yourself; introduce student to patient and other providers on the team
- Have them interact with the patient along with you (history taking, specific areas of physical as appropriate)
- Advocate for student to do small tasks in OR, on floor or in office and supervise
- Have students write or enter notes, orders as often as possible

#### • Perioperative care (OB or GYN):

- Introduce student to patient and staff
- Briefly go over the indications and pertinent history leading up to the surgery
- While waiting or scrubbing discuss the indications, pertinent history, physical findings, treatment plan and options in greater depth
- During surgery go over anatomy, pathology and surgical technique including alternatives
- After surgery, have student complete brief op note, orders and other appropriate paperwork with supervision
- Discuss post-procedure management & plan

- Develop a series of short talks on common topics that you can lead a discussion with a student or students when service allows:
  - Start simple
  - Help you to be better prepared for board certification and/or maintenance of certification
  - Gives you better insight into the students and gives the students a better impression of you



- Preparing didactic lecture presentations:
  - Goals for preparing a presentation
  - Understand your audience
  - Clarify your message
  - Know your time limits
  - Know yourself
  - Become comfortable with the AV equipment
  - Create better slides

#### Goals of the presentation

- Identify and clearly communicate main message (take-home points)
- Engage audience; dazzle with your interest
- Project a level of expertise
- Understand audience
  - Present at a level appropriate for audience
  - Appropriate background to generate interest
  - Highlight one or two areas of controversy or investigation to foster future interest

- The didactic lecture is in rapid decline as an effective teaching modality
- Within national organizations & COM emphasis on reducing scheduled lecture time on both basic science & clinical science in curriculum
- Develop a PowerPoint module that summarizes major learning points on a given topic (APGO Medical Student Education Objectives, Beckmann, et al. <u>Obstetrics and Gynecology (6<sup>th</sup> edition)</u>
- All the Education Objectives must be taught or experienced; either on the clinical services, by didactic lecture, educational module or simulation



- Develop a number of case vignettes for a given topic for group discussion or individual review that accompanies and emphasizes the major learning points in the PowerPoint module
- Case vignettes can also be on PowerPoint so the module and vignette module can be posted together on the OBGY 3600 and 3800 Blackboard sites
- This approach allows our lectures to be given in a didactic format and reviewed later as needed or if clinical responsibilities present a challenge
- <u>Department of OB GYN goal</u>: all lecture topic presentations will have a PowerPoint module summarizing major learning points and a case vignette module posted on Blackboard for both Binghamton and Syracuse campuses

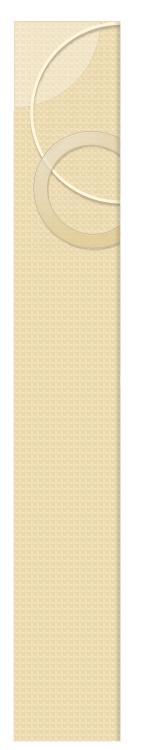
## 6. Summary points

- Remember the residents and attendings that you thought were great when you were a student and try to do what they did that was effective
- Remember the residents and attendings that you thought were terrible when you were a student and try to NOT do what they did
- The entire program at the COM is going to evolve rapidly over next several months
- If you are in a bad mood, fake a good one
- The students are evaluating you; try to imagine how you look in their eyes
- Try to be as generous and fair doing student evaluations as you can
- Prepare quick talks on common topics to foster group or individual learning



## Summary points

- Do not bring unrelated issues into the evaluation process
- Write comments that are specific and useful to the student & Clerkship
- Write comments that correlate with numeric scoring
- Do not ask students to do non-educational or nonclinical chores
- Bringing students into the day-to-day clinical work requires practice; take every opportunity to incorporate students into what you are doing (practice "out loud")
- Never assume that a student that is going into something other than OB-GYN is not interested in OB-GYN



#### Questions

