

# **Effective Teaching in Practice**

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#### Disclosures



• No financial disclosures



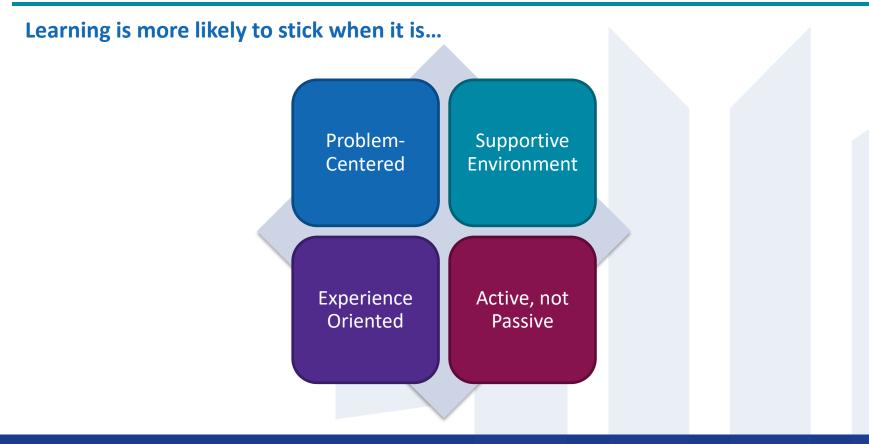
### Topics



- **o** Principles of Adult Learning
- Teaching Rapidly
- **o** Operative Teaching Strategies
- Giving Feedback
- Documenting your Efforts

#### **Principles of Learning**

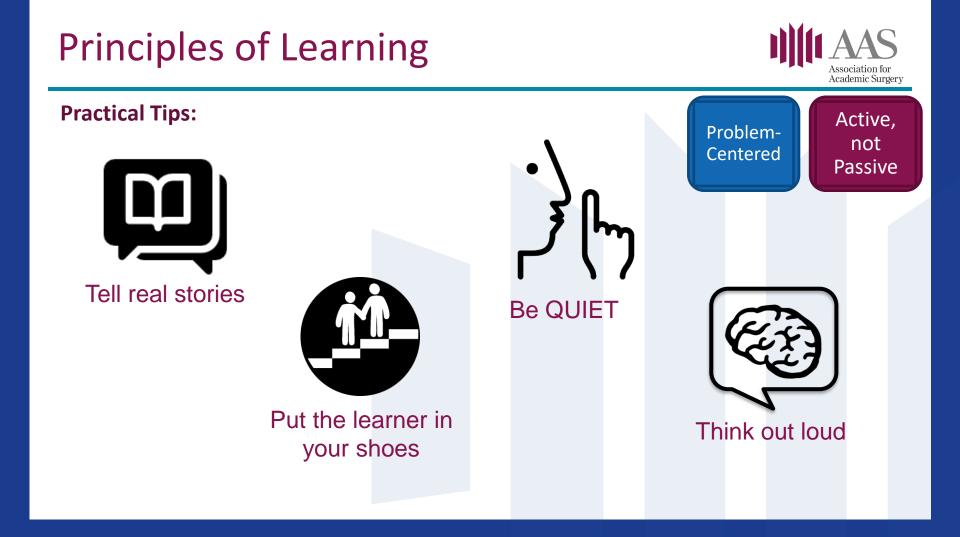




#### **Principles of Learning**

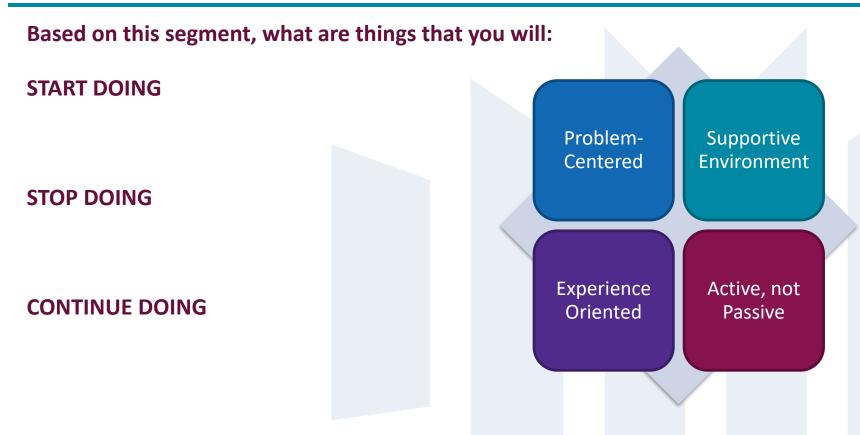






### **Principles of Learning**







## Teaching Rapidly...

## ...aka "Five Micro-Skills for Teaching"



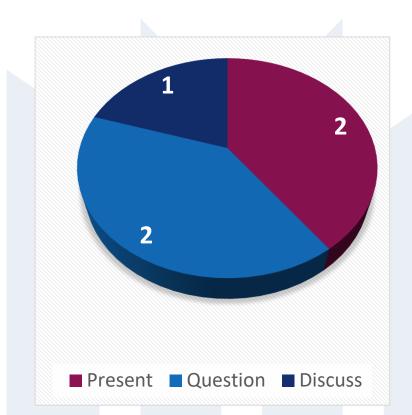


• Identify the learner's needs

• Teach rapidly

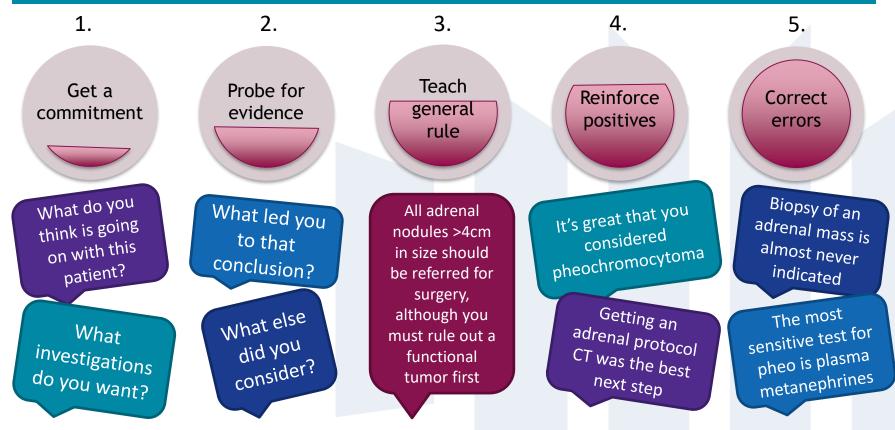
• Provide feedback

#### Can it be done in 5 minutes?



## Five Micro-Skills of Teaching







## **Operative Teaching Strategies**

### **Operative Teaching Strategies**







## General Feedback Strategy

#### **General Feedback Strategy** Academic Surgery Giving Label feedback Establish a respectful dialogue Create shared goals Share descriptive, constructive details based on direct observation Ask for understanding Develop an action plan ASK **ASK** High Yield Feedback Tips TELL



## **Documenting Your Efforts**

### **Documenting Your Effort**



#### On your CV

- Teaching in Courses
- Formal Teaching
- Clinical Supervisory/Training Responsibilities

#### Overview of your activities

Include description, location, time

**Omits educational impact** 

#### **Report of Local Teaching and Training**

at UAB Hospital

#### **Teaching of Students in Courses**

1st year medical students	8 hours per week for 8 weeks
Surgical instrument review	Johns Hopkins University
2-4th year medical students	4 hours per clerkship quarter
Transition to Residency course	Johns Hopkins University
4th year medical students	8 hours each year
Physician Assistant Residency orientation	Johns Hopkins Hospital
Surgical and Critical Care PA residents	2 hours each year
Students as Teachers	University of Alabama at Birmingham
4th year medical students	2 hours each year
	Transition to Residency course 4 <sup>th</sup> year medical students Physician Assistant Residency orientation Surgical and Critical Care PA residents Students as Teachers

#### Teaching of Desidents, Clinical Follows and Dessauch Follows (nest dees)

ormal Teac	ching of Residents, Clinical Fellows and Rese	earch Fellows (post-docs)	
2011-2015	Intern Pearls for Orientation	Johns Hopkins University	
	Incoming 1st year residents	1 hour annually	
2012-2013	OSATS Exam	Johns Hopkins University	
	1 <sup>st</sup> year residents	4 hours annually	
2016-2017	Endocrine Surgery Topics	Brigham and Women's Hospital	
		4 hours annually	
2017-	Endocrine Surgery Topics	UAB Hospital	
		8 hours annually	
2017-	Endocrine Surgery Conference	UAB Hospital	
		2 hours weekly	
2018-	General Surgery Intern Conference	UAB Hospital	
		4 hours annually	
linical Sup	ervisory and Training Responsibilities		
009-2016	Supervision of medical students and	Daily teaching efforts on rounds	
2010	residents on surgical rotations at Johns	Weekly small group teaching conference	
	Hopkins Hospital	······································	
016-2017	Supervision of medical students and	Daily teaching efforts on rounds	
		Weekly small group teaching conference	
017-2018		Weekly teaching efforts in the operating	
017-2010	•		
2017-2018	residents on the endocrine surgery rotation at Brigham and Women's Hospital Supervision of medical students and residents on the endocrine surgery rotation	Weekly small group teaching c	

## **Documenting Your Effort**



#### **Teaching Portfolio**

- **Education** Philosophy ٠
  - 2-3 paragraphs
- **Educator Effectiveness Evidence** 
  - **Teaching Activities** •
    - Include learner comments

- Educational Scholarship
- Educational Leadership
  - Curriculum Development
  - Program Development

#### More descriptive, includes evidence of impact

		g Acti		<u> </u>						
Learı	ner/	Perio	d Fa	culty	Residency	Medical Student	College Student			
Pre Stu		Medical Student Surgery Clerkship Evaluation Comments								
	At the Johns Hopkins University School of Medicine, medical students are asked to									
	ev. Educational Scholarship Agenda									
	Can I Have a Minute of Your Time?									
Cliı	Be cli	deve time	elop	Resident Skills for Teaching in Time-Limited Settings <u>Table 1. Resident Skills for Teaching in Time-Limited Settings Course</u> <u>Structure</u> at						
			skill: take	Curriculum Eleme	nt		Time Allotted (minutes)			
		•	Bren	Introduction, Sumn	·	o/Objectives	5			
		1	topic	Teaching Challenge	s Discussion		10			
			even	Teaching Character	istics Worksheet/D	iscussion	20			
		5	see i	One Minute Precept	tor Model		20			
				Negotiating Learnin	0 0		15			
		(	on th	Principles of Effecti	ve Feedback		15	_		
				Role-Play Exercises			60			
				Wrap-Up, Course E	valuation		5			
				Total			150			

### **Key Points**



- Learning is more likely to stick when it is:
  - Problem-centered
  - In a supportive environment
  - Experience-oriented
  - Active, not passive
- 5 Micro-Skills for Teaching:
  - Commit → Probe → Teach General Rule → Reinforce → Correct
- **Operative Teaching Strategies:** 
  - Pre-brief & De-brief
  - Set a timer



# **Thank You!**

#### **Questions**?

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#### Resources



**o** Teaching Portfolio Resources:

https://www.duq.edu/about/centers-and-institutes/center-for-teachingexcellence/academic-careers/landing-an-academic-job/teaching-portfolio