Procedure Teaching Summary Handout

* What are the stages of competency?
	+ Novice
		- Early stages. Skills are learned through imitation and/or trial and error
	+ Advanced beginner
		- Skills are becoming habitual, some confidence and proficiency being displayed
	+ Competent
		- Skills are quick, accurate, coordinated
	+ Proficient
		- Skills are well developed. Learner can modify/adapt to difficult situations
	+ Expert
		- Able to create new methods/skills to address unique situations and specific problems
* Two methodologies of teaching
	+ See one, Do one, Teach one (outdated)
		- Learner watches procedure performed by teacher
		- Learner performs the procedure under close supervision
		- Learner teaches the procedure to someone else
	+ Learn, see, practice, prove, do, maintain
		- Learner acquires background knowledge of the procedure (videos and reading)
		- Instructor demonstates procedure to learner
		- Learner practices in a simulated environment with repetitive practice
		- Learner is assessed for competency in a simulated environment
		- Learner performs procedure on a patient
		- Learner receives continued feedback
* Trouble shooting
	+ Important to point out most important and most dangerous steps
	+ Provide tips for when things go wrong, encourage learner to work through complications rather than giving up
	+ Avoid taking over when learner gets stuck unless it is dangerous for patient
	+ Especially important for more competent learners who understand basics in order to allow progression to expert stage
* Resources for learners
	+ <https://www.mededportal.org> (workshops and online sim)
	+ <https://www.nejm.org/multimedia/videos-in-clinical-medicine>? (Procedure Videos)