



Fellow as Teacher: Advancing Consultative Medicine Through Teaching

Jakob I. McSparron, MD

Associate Program Director BIDMC Internal Medicine Residency

Associate Program Director Harvard Fellowship in Pulmonary and Critical Care Medicine

Education is at the heart of patient care. —



Disclosures

Partners COE in Medical Education





How do your fellows teach as consultants?



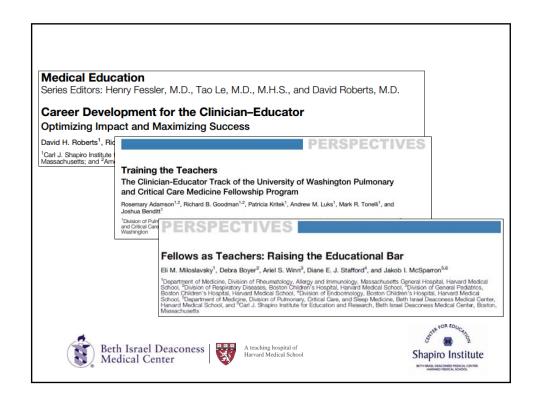












Objectives

- Describe barriers and facilitators that can impact the fellowresident interaction
- Discuss local subspecialty fellows' attitudes towards teaching
- Describe a novel framework for teaching in consult setting









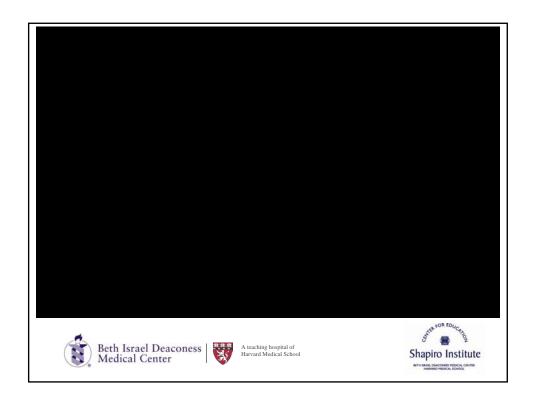
Consult interaction example

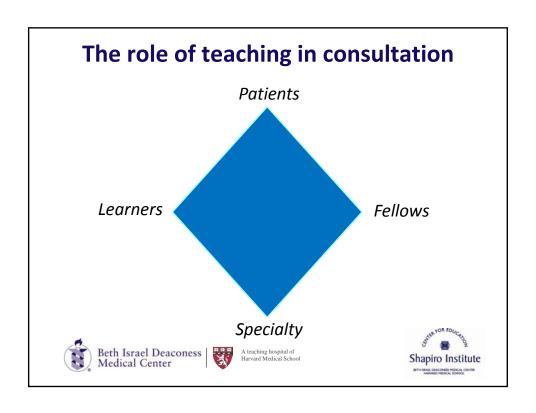
- 28 y/o M admitted with pleuritic chest pain
- ECG demonstrates diffuse ST segment elevations
- Troponin is mildly elevated
- Primary team suspects pericarditis, but would like cardiology input to make sure they're not missing an acute coronary syndrome

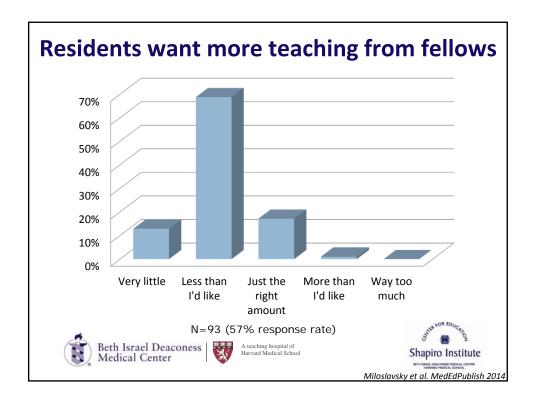












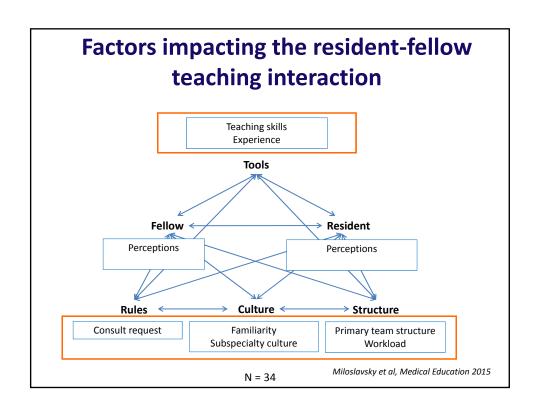
What factors affect consultation? **Facilitators Barriers** • Effective communication Tension during telephone interactions Professionalism Opposing views Trust Inadequate communication Goldman et al. Arch Intern Med 1983 Kessler et al. J Emerg Med. 2012 Chan et al. Acad Emerg Med. 2014 A teaching hospital of Harvard Medical School Beth Israel Deaconess Shapiro Institute Medical Center

A qualitative look at the consult interaction

- 4 focus groups
 - MGH IM residents
 - BWH IM residents
 - MGH and BWH IM subspecialty fellows
 - Fellow teaching award winners
- 34 participants
 - All three PGY levels from both hospitals
 - 7 subspecialties
- 4 investigators coded transcripts







Best practices

Fellows

- •Just say "yes"
- •Limit damage of poor consult questions
- Set expectations
- Build familiarity

Residents

- Have specific question
- Relay your thoughts
- Set expectations
- Initiate teaching interaction
- Build familiarity







On to a needs assessment...

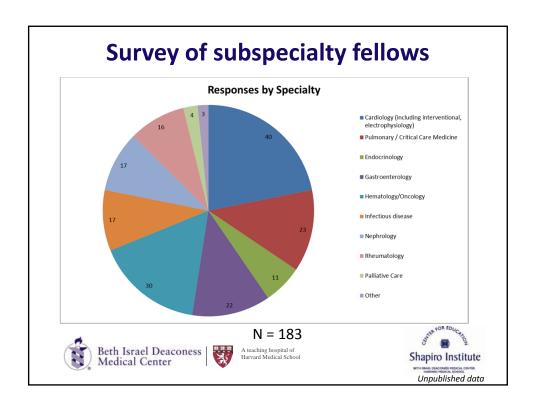


"Besides caring too much? I'd probably have to go with Kryptonite."









Anticipated activities during career	%
Academics	85%
Patient care	89%
Teaching	83%
Clinical research	72%
Basic science research	36%
Medical education scholarship	23%
Administration	26%
Not sure	4%

Fellows' anticipated career paths

Anticipated activities during	career	%
Academics		85%
Patient care		89%
Teaching		83%
Clinical research		72%
Basic science research		36%
Medical education scholarsh	nip	23%
Administration		26%
Not sure		4%
4	N = 183	WILL FOR EDUCATE







Fellows' attitude towards teaching

Question	Agree or strongly agree
I enjoy teaching residents and medical students	94%
If I had more time I would do more teaching	95%
My teaching skills can be improved	93%
I want to receive more feedback about my teaching	74%
I am interested in receiving training to improve my teaching skills	75%

N = 183







From needs assessment to curriculum....



"All I'm saying is <u>now</u> is the time to develop the technology to deflect an asteroid"





Shapiro Institute BITH BANAL DOLCOMED HIBICAL CINTEN HARMAD HIBIOLIS ESPOS. newyorker.com

Fellow As Clinical Teacher (F.A.C.T)

- Hands-on practical teaching workshops
 - Adult learning applied to consult teaching
 - Focus on assessing learner and effective feedback
 - Barriers: systems, fellow, resident
 - Solutions
 - A five minute approach

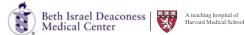




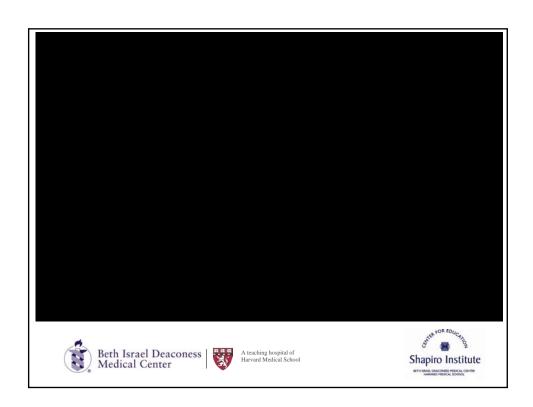


Consult interaction example

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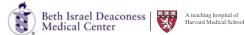




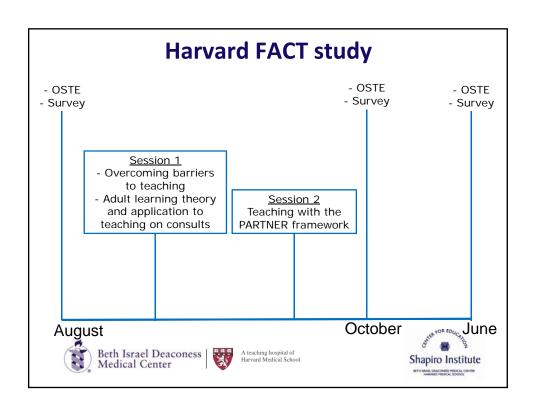


PARTNER approach

- Partners with resident set expectations
- Assess the learner
- Reinforce positives / give feedback
- **T**eaching objectives
- New knowledge short teaching points
- Execute recommendations
- Review questions and invite collaboration







Objective Structured Teaching Exercise

- Detailed scenario
- Trained "standardized intern"
- Fellow instructions
- Two trained raters





Harvard OSTE Performance P-value Post (pre-post) Item 3.77 < 0.01 Oriented learner to expectations 3.04 3.73 Expressed respect for learner 4.40 4.90 5.00 < 0.01 Evaluated learner's knowledge of factual medical 3.19 4.19 4.77 < 0.01 Evaluated learnrer's ability to analyze or synthesize 3.13 4.10 4.41 < 0.01 knowledge Determined effective objectives for discussion 3.38 4.17 4.86 < 0.01 Presented well organized material 3.41 4.27 4.72 < 0.01 Effectively managed time during session 3.52 4.62 4.41 < 0.01 Provided positive feedback 3.46 4.77 4.95 < 0.01 4.55 Provided corrective feedback 3.21 4.75 < 0.01 4.27 Relayed recs and closed the loop 3.62 4.5 < 0.01 3.31 4.46 4.55 < 0.01 Overall teaching effectiveness A teaching hospital of Harvard Medical School Beth Israel Deaconess Shapiro Institute Medical Center Miloslavsky, McSparron, et al, JGME 2015

Conclusions

- Fellow teaching during consultation can have a broad impact
- Barriers exist in the hospital environment but are modifiable
- The FACT curriculum and PARTNER framework can improve fellows' teaching skills







- Eli Miloslavsky
- Grace Huang
- David Roberts
- Richard Schwartzstein
- BIDMC faculty, fellows and residents
- ATS
- APCCPMD
- PEPTDA







