Strategies for Learning and Teaching Patient Communication Skills Derek Brown, PhD Radiation Medicine & Applied Sciences UC San Diego	
RETHINKING MEDICAL PHYSICS	
Medical physics is changing	
Automated Planning Knowledge-based planning Developing predictive dose-volume relationships for a radiotherapy treatment – K. Moore et. al.	
Automated commissioning and QA Commissioning and quality assurance for VMAT delivery systems: An efficient time-resolved system using real-time EPID imaging. Zwan et. al. Rapid acceptance testing of modern linac using on-board MV and kV imaging systems. Yaddanapudi et. al.	
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The evolving the role of Medical Physics	
Independent professional relationship with the patient This addresses a known, specific problem in Rad Onc Clear path forward for how we can advance our profession	
Uniquely positioned to use our expertise to improve patient outcomes Patients increasingly want access to information that we have	
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What problem is this addressing?

- Access to information
 - · Cancer patients receive ~60% of their information from printed or digital media – Finney Rutten et al, 2004
- o Information is too complex
 - Most materials presented at college level reading, target should be 6th grade - Rossenberg et
- o Misinformed, anxious patients
 - Decreased survival in Rad Onc -Habboushi et al, 2017



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RETHINKING ME

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Physics Direct Patient Care Initiative

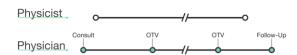
- Establish an independent professional relationship with patients
- Take ownership of all technical aspects related to treatment Meet with the patient at regularly scheduled appointments
 - Allow physicians to focus on other aspects of patient care
 - Lay groundwork for future innovations and patient responsibilities



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RETHINKING MEDICAL PHYSIC

PATIENT INTERACTIONS



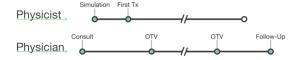
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Physicist	Simulation		-//		-0
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Physician,	•		-//		

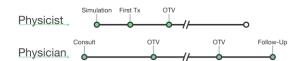
Tx = Treatment OTV = On-Treatment Visit

PATIENT INTERACTIONS



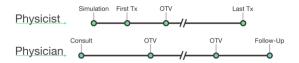
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PATIENT INTERACTIONS



Tx = Treatment OTV = On-Treatment Visit

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PATIENT	CHONS



Tx = Treatment OTV = On-Treatment Visit

Effective communication with patients

- This isn't easy!!
 - Patients come in all different temperaments and personalities
 - · Patients have different expectations
 - · It is difficult to know which communication strategy will work for which patient
- o There are potential pitfalls
 - What if you get it wrong and the patient gets angry/more anxious?
 - This could be harmful, and is potentially complicated for a Rad Onc to
- o We receive no effective communication training
 - How much time did you devote during your graduate degree to this?

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PETHINKING MEDICAL PHYSICS

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These difficulties are not insurmountable

- o Communication is a skill that can be learned
- o Medical doctors get hundreds of hours of training and thousands of hours of supervised practice

 There's an algorithm for how to communicate with patients
- o We just need a training program...

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UCSD TRAINING PLAN	
Clinician-Patient	
Comminication Course UC San Diego Medical School	
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UCSD Training Plan	
Clinician-Patient Communication Course	
 Course run by the Medical School at UC San Diego Originally created by the Institute for Healthcare Communication 	
 National standard for teaching effective patient communication 	
One-day, hands-on workshop	
"Communication is a procedure that can be taught, learned, and assessed"	
"Communication is a procedure that can be taught, learned, and assessed" Engagement Education	
"Communication is a procedure that can be taught, learned, and assessed" Engagement Education Empathy Enlist	
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Engagement Education Empathy Education Empathy Enlist UC San Diego D. Brown AAPM 2017 Clinician-Patient Communication Course UC San Diego Month 1	
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UCSD TRAINING PLAN



UCSD Training Plan

2. In-House Training

- Standard opening and closing statements
- List of common questions
- Descriptions of how, when, and why interactions did not go as planned

3. Patient Care Observations

- Observe minimum of 5 patient care interactions with experienced
- faculty members
 Role is purely observational
- Debrief with faculty after patient consults

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MEDICAL	PHYSICS

UCSD TRAINING PLAN



UCSD Training Plan

4. Standardized Patient Training

Developed in collaboration with the Medical Training Center at UC San Diego

- No technical background
- Very concerned about the negative effects of radiation
 Not sure they want to go through with treatment

1. Non-technical and Nervous | 2. Tech-savvy and Curious

- · Strong technical background
- Interested in understanding how radiation causes damage
 Really interested in knowing how imaging and treatment work

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RETHINKING	

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UCSD TRAINING PLAN

Clinician-Patient	Patient Care	Faculty-Observed
Communication Course	Observations	Patient Care
UC San Diego Medical School	Month 3	Month 6
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Month 1	Month 4	
In-House	Standardized Patient	
Training	Training	

UCSD Training Plan

5. Faculty-Observed Patient Care

- Trainee performs minimum of 5 patient care interactions with faculty
- Faculty assesses trainees performance (checklist and written comments)
- · Debrief with faculty immediately post-consult

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Competency Assessn	nent			
 How do we know when/if to 				
This is a really important, and or				
 Specific metrics 				
 Did trainee engage/empathize/ Was the patient satisfied with le Did the consult increase or dec 				
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Thank You	Collaborators: Todd Atwood, PhD AJ Mundt, MD			
	Todd Pawlicki, PhD Jim Murphy, MD	2//		
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