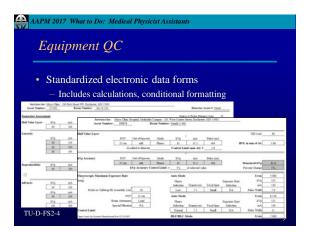


7	7 What to Do: Medical	Physicist Assistants
Equi	pment QC	
- S - D	tep by step instruct	pe and model of equipment
PHOTOTIMING S	URVEY procedure sheet – Rev2017 – 2.3	
Purpose:	RADIOGRAPHIC COLLIMATION	SURVEY procedure sheet - Rev2015 -1.0
To assess the perfor system to maintain a kVp levels, and dete	Purpose: To test the function, accuracy, and o systems.	FLUOROSCOPIC MAXIMUM EXPOSURE RATE procedure sheet – Rev2017 - 2.0 Purpose:
Tests Include: Exposure Index Che Site Standard Exami Phantom Density at:	Tests Included: Light Field Illumination SID Indicator Accuracy Central Ray to Image Receptor Alignma X-ray to Light Field Congruency Collimator Dial Accuracy Positive Beam Limitation (PBL) Field S	To ensure that the maximum fluoroscopic exposure rate is in compliance. Texts Included: Fluoroscopic Maximum Exposure Rate





- Personal (QMP present in room)
 - CT, MRI
- Direct (QMP on site) and General (QMP not present)
 - Rad/fluoro, NM, US
- QMP meets regularly with MPAs
- Reports regularly reviewed

TU-D-FS2-4



AAPM 2017 What to Do: Medical Physicist Assistants

MPA Education/Experience

• Primarily technologists

- Primarily technologists selected from the clinical modality area
- MPA position is a promotion path with a salary increase
 Most have specialty
- certification (QM, CT, MR, ..)
 Generally, long-term position
- Generally, long-term position (> 10 yrs)

TU-D-FS2-4



**Map 2017 What to Do: Medical Physicist Assistants

Why technologists?

• Already have basic familiarity with clinical area they work in

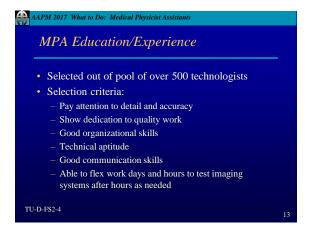
- Experts on operation of the imaging equipment

- Know the other technologists, supervisors, radiologists

- Understand clinical imaging issues

• Can generally readily learn the basic technical skills needed for equipment QC testing

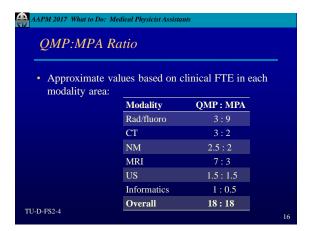
• Help to bridge the gap between physics and clinical application

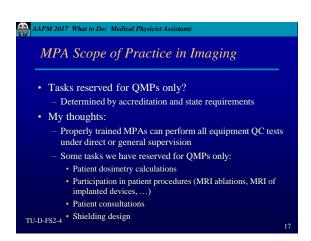


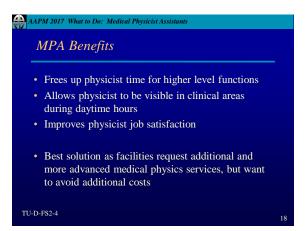
What about medical physics residents?

We also train residents – 3 positions
Participate in equipment performance testing
Too much equipment for residents to cover all units
MPAs provide consistent, quality work since they are long term employees









PM 2017 What to Do: Medical Physicist Assistants		
What makes for successful MPAs?		
Well-defined equipment testing protocols with clear, objective pass/fail criteria		
 Adequate QMP oversight of activities Be readily available for questions and issues 		
 Hold regular meeting times to discuss modifications to protocols, resolve questions 		
Continued training and technology updates		
-D-FS2-0	19	
AAPM 2017 What to Do: Medical Physicist Assistants		
Q & A		
	<u> </u>	