RAPID CITY REGIONAL HOSPITAL PROSTATE SEED BRACHYTHERAPY ACTION PLAN

License number: 40-00238-04

Action Item	Items identified during Root Cause Analysis	Steps to correction	
1	Treatment Planning Computer defaults	Review study configurations	
		Rename and reorganize configurations	
		create default configuration with zero dose	
		Include revisions in new Policy and Procedures below	
	e the proximal cause of the medical even ecurrences of this sort.	at and will provide a methodology to	
2	Treatment Planning process for Prostate Seed Implants	Review current process	
		Identify any additional weaknesses	
		Create new Written Directive form including second part to be completed in OR at end of implant	
		Create checklists to be used by dosimetrists during volume study to verify planning data is correct.	
		Create checklists to be used by physicists, during treatment planning to verify planning is correct and complete.	
		Create checklists to be used by physicians during treatment planning to verify planning is correct and complete.	
		Determine locations for new forms and checklists in paper chart during transition to Electronic Medical Record (EMR)	

Determine locations for new forms and checklists in EMR Include revisions in new Policy and Procedures below This revises and updates our procedure which had become weak over time. It incorporates checklists to ensure each person who works on the plans reviews relevant parameters versus the written directive and physician dosimetric goals. It removes the likelihood of approving a plan without review and relying on others to not make a mistake or approve without review also. 3				
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Implant treatment planning Policy and Procedures		- · · · · · · · · · · · · · · · · · · ·		
revise policy if necessary	5	Implant treatment planning Policy	review Policy and Procedures	
			revise policy if necessary	

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rewrite procedure to take into account: 1) new default setting 2) new method of choosing correct configuration 3) use of new forms and checklists 4) locations of paper chart during transition to EMR 5) location of new forms and checklists in paper chart 6) new transfer to EMR 7) location of documentation in EMR
present new P&P to administration and physicians for review and revise if necessary
present to staff and train in the proper use of new P&P

Formalize all changes and incorporates them into official Policy and Procedure manuals. Also introduces them and provides training in their use to other members of the staff who handle brachytherapy cases. This includes dosimetrists, physicists and physicians.

6	Train dosimetrists to plan and review permanent implants	Present new Policy and Procedures to dosimetrists	
		Explain the use of the Written Directive	
		Explain the use and necessity of checklists	
		Discuss theory and use of Treatment Planning Computer	
		Perform a "Standard" plan together to illustrate planning process	
		Trainee completes a "Standard" plan on own to be reviewed by Trainer.	
		Physicist signs off on dosimetrist when all points completed successfully.	

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Provides additional training to the dosimetrists so that their role can be expanded. This will allow for second checks by an independent reviewer when one of the physicists is out of the office or on vacation.

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7	Review and rewrite HDR Policies and Procedures	Review HDR Policies and Procedures	
		Revise policy if needed	
		rewrite procedure to take into account: 1) use of new forms and checklists 2) locations of paper chart during transition to EMR 3) location of new forms and checklists in paper chart 4) new transfer to EMR 5) location of documentation in EMR	
		present new P&P to administration and physicians for review and revise if necessary	
		present to staff and train in the proper use of new P&P	
_	view from a prostate seed specific objecti are performed at RCRH.	ve, to encompass all brachytherapy	
8	Compliance check	Track checklist compliance on a Monthly basis for one year, then as part of annual program review thereafter	
		Track EMR compliance Quarterly for one year, then as part of annual program review thereafter.	
	v process to ensure that changes are follo checks into the annual brachytherapy pro		
9	New employee training	Present Policy and Procedures to new employee	
		Explain the use of the Written Directive	

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Explain the use and necessity of checklists
Discuss theory and use of Treatment Planning Computer
Perform a "Standard" plan together to illustrate planning process
Trainee completes a "Standard" plan on own to be reviewed by Trainer.
Physicist signs off on employee when all points completed successfully.

Ensures that new employees are properly trained in the Policy and Procedures of RCRH and are not left to chance. It will help to prevent a slow relaxing of the methods introduced to maintain a quality and safe program over time and staff turnover.

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