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LDR CREDENTIALING PROCEDURES FOR PROSTATE IMPLANT PROTOCOLS FACILITY QUESTIONNAIRE		
I. Radiation Oncology Facility: RTF#: RTOG #: Facility Name:		
Address:		
Is this Facility also known by other name(s)? If so, ple	ase provide:	
PERSONNEL CONTACT INFORMATION		
A. Radiation Oncologist Responsible for Implant Patients		
Name:	Phone:	
Address:	Fax:	
	E-mail:	
B. Chair/Chief of Radiation Oncology		
Name:	Phone:	
Address:	Fax:	
	E-mail:	
C. Physicist Responsible for Implant Patients		
Name:	Phone:	
Address:	Fax:	
	E-mail:	
D. Dosimetrist Responsible for Implant Patients		
Name:	Phone:	
Address:	Fax:	
	E-mail:	

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. D	Data Manager Responsible for Implant Patients
]	Name: Phone:
Ac	ddress: Fax:
	E-mail:
	E-mail:
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	Experience of personnel: A. For the Radiation Oncologist named above
	How many ultrasound guided prostate implants have been performed?
	Has this person been credentialed previously?
	by IROC Houston?
В	3. For the Physicist named above
	How many ultrasound guided prostate implants have been planned using ultrasound?
	How many ultrasound guided prostate implants have been evaluated with post implant CT?
	Has this person been credentialed previously?
	by IROC Houston? by IROC Rhode Island ? date:
I. E	Equipment:
A	A. Ultrasound unit (vendor and model):
В	3. CT scanner (vendor and model):
С	C. Treatment planning system
P	Preplan or Realtime plan:
	Vendor and version:
	How are ultrasound images entered for planning? videotape digitized
	Other (explain):
	How are prestate and permet tippup contours entered?
	How are prostate and normal tissue contours entered? Defined on planning system defined on ultrasound unit and input as above
	Other (explain):
	Is a point source approximation used? Yes No
	If yes, do you use an: anisotropy constant anisotropy factors

Post Implant Plan:

Vendor	and version:		
digi	re the CT images entered for post itized from hardcopyelectro ner (explain):		
How ar	e prostate and normal tissue cont	tours entered?	
Def	ined on planning system 🗌	defined on CT and input as above 🗌	
Oth	ner (explain):		
	alculation matrix resolution is ould be ≤2mm x ≤2mm x axial slic		
Dose volume histograms calculated by computer? Yes Do No			
Dose v	olume histograms available as g	raphs? Yes 🗌 No 🗌	
Dose volume histograms available as tables? Yes No			
How do you superimpose dose distributions on CT images? By computer 🗌 By hai If by hand; describe technique:			
lf y		Yes No No Yes No Yes No Yes No Sectors	
Radiati	Radiation Sources:		
¹²⁵ l:	Vendor/Model:	Typical source strength/seed:	
	Vendor/Model:	Typical source strength/seed:	
¹⁰³ Pd:	Vendor/Model:	Typical source strength/seed:	
	Vendor/Model:	Typical source strength/seed:	
	unt Talaka investor di anagana anaga		
Impla	Int Technique: Loose seed	ds (e.g., Mick applicator)	
Impla		preloaded needles (seeds with spacers interspersed)	

IV. Quality Assurance Procedures: (attach additional sheets if necessary)

A. Source strength verification:

1.	 Dosimetry system used for in-house verification of seed activity: 		
	Vendor:	Model:	

- 2. How is the calibration of this system directly traceable to NIST? (Attach copies of ADCL certificates)
 - Dosimetry system calibrated by ADCL for each seed model seeking credentials
 - ADCL calibration of a seed that is used to assign your calibration factor
 - An approved nuclear pharmacy for seed assay (provide pharmacy name, contact and phone#)
- 3. Explain your QA procedures to verify the constancy of the calibration of the dosimetry system.
- How frequently are the QA procedures in item 3 performed?
- 5. Select your measurement technique to verify seed strengths used for individual patients.
 - Use the NIST traceable dosimetry system described in item 1.
 - An approved Nuclearpharmacy is used for seed assay

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What is your criterion for agreement with the vendor?	+/-5% 🔲,	+/-7% 🔲,	+/-10% 🗌,
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Other (explain)	

6. What seed strength is used for treatment planning?

your own or pharmacy measurements	vendor 🗌	
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Other (explain)

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- B. Source accounting:
 - Are radiographs taken at the completion of the implant? Yes No
 If yes: AP I lateral oblique stereo other:
 - 2. Describe procedures used to account for all seeds at the time of implant:
 - 3. Describe techniques used to identify seeds and avoid identifying the same seed on multiple CT slices:
 - 4. What is the discrepancy limit for unaccounted seeds and what action do you take if the discrepancy exceeds the limit?
- C. Other dosimetry and QA procedures:
 - 1. Describe any calculations done at the time of commissioning to verify the accuracy of the computer generated treatment plan:
 - 2. Describe your method for ensuring that the dosimetric parameters you use are consistent with
 - i) the NIST calibration of the source, and
 - ii) your calculation method (point source vs. line source):

Describe any other procedures followed to assure that the dose calculations are in accordance with the requirements of the protocol:

3. Describe any other quality assurance procedures pertinent to these brachytherapy procedures: