

I General

IROC RI QA Center Questionnaire for Stereotactic Radiosurgery (SRS) with a Gamma Knife

Return the completed form to: IROC Rhode Island QA Center (QARC)

Building B, Suite 201

640 George Washington Highway

Lincoln, RI 02865-4207

This questionnaire, with the requested information, must be submitted to IROC RI QA Center before patients can be placed on a stereotactic protocol. The data will be used by IROC RI QA Center in the review and verification of protocol treatments.

Check the applicable boxes and write in the requested information. Wherever it says "Describe", you may submit a published paper, an internal report, the vendor's descriptive literature, or provide a short description. Use additional pages, if necessary.

Please complete a sample RS-1 patient dosimetry summary form for a non-protocol patient treated in your institution.

If you have questions, please call the IROC RI QA Center Protocol Dosimetrist at 401-753-7600 or fax 401-753-7601 or email Physics@QARC.org.

ii General			
Institution			
Physicist who can answer question irradiation:	s about dosir	netry, quality assurance, and dose calculations for stereotactic	
Name		Telephone	
Address		Fax	
Email			
Will you treat pediatric patients?	Yes 🗖	No □	
If yes, will you routinely anesthetize	e pediatric pat	ients during the radiosurgery procedure?	
	Yes 🗖	No □	
If yes, please include a letter docur procedure.	nenting the m	ethod of anesthesia that will be employed during the	
How long has your institution been	performing SI	RS?	
Number of SRS cases treated at you	our institution	in the past six months:	

A. Date of Gamma Knife installation: Date of most recent source replacement:						
В.	. <u>Head-frame/ Fixation device</u>					
Us	sed for: CT MR Treatmen	ıt 🖵				
	Commercial system, manufacturer, model:					
	System not commercially available. Describe:					
	Treatment planning system					
	ersion Number of GammaPlan:					
Ha	Have you performed any in-house modifications? Yes ☐ No ☐					
PΙ	ease describe:					
_						
D.	. What is the limit, if any, of the number of isocenters	s?				
Please describe the guidelines used to select the number of isocenters.						
Ca	an the system provide isodoses in three orthogonal p	olanes?	Yes □	No 🗖		
Can the system generate dose-volume histograms for target volume?			Yes □	No □		
	for volumes of interest (normal tissue)?	Yes 🗖	No 🗖		
Ca	an the system perform image fusion?	Yes 🗖	No 🖵			
ls	image fusion routinely used for your SRS treatments	Yes 🗖	No 🗖			
WI	hat image set is routinely used for definition of targe CT ☐ MR ☐ Fused (i.e.	t volumes and no e. both) □	rmal tissues?			
WI	hat image set is routinely used for dose calculation?	СТ 🗖	MR □			

II. Equipment

III.	Dose Calculations
A.	Please describe the calibration procedure used for this unit when new sources are installed.
В.	What routine calibration checks do you perform?
C.	How frequently?
IV.	Quality Assurance
A.	Techniques to verify patient position
Des	scribe:
R	Techniques to verify source "ON/ OFF" accuracy
Des	scribe:
_	Tachniques to verify the does distribution
	Techniques to verify the dose distribution
	equency: Annually
	When the Co-60 source is changed, what QA procedures do you follow, in addition to the calibration procedure described in IIIA? scribe:
E.	How do you verify the dose?