MEDICAL PHYSICS READINESS ASSESSMENT

(institution name)

1. Which of the following does the institution employ?

Medical Physicist:	Please sele	Number employed:	
Health Physicist:	Please sele	Number employed:	
Radiation Safety Officer:	Please sele	Number employed:	
		Is it a physicist?	Please select an o
		Specify if other:	

2. Are there government regulations in place regarding image quality? Please se

If yes, explain:

3. Are there government regulations in place regarding radiation safety? Please se

If yes, explain:

4. Are there government regulations in place regarding MRI safety? Please se

If yes, explain:

5. Are the regulations enforced? Please se

If yes:
By whom? _____
How frequently is the equipment inspected by the government? _____

6. Are there accreditation bodies for medical imaging equipment? Please se

If yes, explain:

7. Are personal dosimeters worn by staff? Please se

If yes, dosimeter brand: _____

8. Is the staff dosimetry reviewed? Please se

How frequently? _____
By whom? _____
Is there a dose limit? _____
What steps are taken if staff is above the limit? _____

9. On which of the following equipment do **physicists** perform imaging QC?

Radiography:	Please se	Frequency:	
Fluoroscopy:	Please se	Frequency:	
Mammography:	Please se	Frequency:	
CT:	Please se	Frequency:	
Ultrasound:	Please se	Frequency:	
MRI:	Please se	Frequency:	
Dental:	Please se	Frequency:	
Acquisition Monitors:	Please se	Frequency:	
Reading Workstations:	Please se	Frequency:	
Darkroom/Viewbox:	Please se	Frequency:	

10. On which of the following equipment do **physicists** perform dosimetry?

Radiography:	Please se	Frequency:	
Fluoroscopy:	Please se	Frequency:	
Mammography:	Please se	Frequency:	
CT:	Please se	Frequency:	
Dental:	Please se	Frequency:	

11. On which of the following equipment do **technologists** perform imaging QC?

Radiography:	Please se	Frequency:	
Fluoroscopy:	Please se	Frequency:	
Mammography:	Please se	Frequency:	
CT:	Please se	Frequency:	
Ultrasound:	Please se	Frequency:	
MRI:	Please se	Frequency:	
Dental:	Please se	Frequency:	
Acquisition Monitors:	Please se	Frequency:	
Reading Workstations:	Please se	Frequency:	
Darkroom/Viewbox:	Please se	Frequency:	

12. If neither physicists nor technologists perform routine QC, how is satisfactory image quality/dose ensured?

13. What type/brand of dosimetry equipment and quality control equipment does the institution have?

14. Is the staff trained on radiation protection and MRI safety? How and at what frequency?

15. How are QC records maintained?

16. Is the radiation dose index (CTDI) and/or DLP recorded for every CT exam? Please se

If yes:
Digitally? _____
Handwritten in patient records? _____
Handwritten in logbook? _____

17. Are fluoroscopy doses (air kerma at a reference point and/or dose-area product) recorded for every exam?

If yes:
Digitally? _____
Handwritten in patient records? _____
Handwritten in logbook? _____

18. Describe what procedures (if any) are in place for dealing with patients who receive a fluoroscopy dose above thresholds for causing skin damage.

19. Has the institution had any experiences of MRI-related patient thermal injuries or injuries resulting from the presence of ferromagnetic objects in the MRI scanner room? How is data collected on these injuries?

20. Who designs the radiation shielding surrounding the exam rooms?

21. How is the amount of shielding determined (Are particular documents are used in the shielding design? Are there calculations performed to determine the amount of shielding needed? Are all rooms of a particular modality shielded with the same amount of lead?

22. What is the illuminance on the mammography viewboxes and/or monitors (should be <50 lux)? What is the luminance of the viewboxes (should be >3000 cd/m2)?

23. If possible, please include pictures of imaging systems, dosimetry equipment, QC equipment.

24. Please provide an inventory of medical imaging equipment.