Technologist Quality Control Procedures

The specific procedures for the Technologist Quality Control Program are those specified in the most current ACR MRI QC Manual.

WEEKLY MRI EQUIPMENT QUALITY CONTROL FOR SMALL PHANTOM

MRI Facility	y Name:				MRI Scanner Identifier:													
Date	Setup & Posi	Table	Center of	TX Gain or Attenuation	Geome Mea	etric Accur asurement	racy s	High-C Spatial R	ontrast esolution	Low-Contrast Detectability	Artifact Evaluation	Tested	Notes					
Duto	ACCU	racy	Frequency		Sag Loc	Axial S	lice 3	Slie	ce 1	Slice #	_ · u · u · u · u · · · ·	Ву						
	Accuracy	Console	(HZ)	(UB)	H/F (mm)	A/P (mm)	R/L (mm)	Upper Left	Lower Right	# of Spokes	Any present?							
Action limits:	± 5 mm	Yes/No			100 ± 2 mm	100 ± 2 mm	100 ± 2mm	≤ 0.8 mm	≤ 0.8 mm		Yes/No							

Qualified Medical Physicist/MRI Scientist

Reviewed by:

Date of Review:

WEEKLY MRI EQUIPMENT QUALITY CONTROL FOR SMALL PHANTOM

MRI Facility	y Name:				MRI Scanner Identifier:													
Date	Setup & Posi	Table	Center of	TX Gain or Attenuation	Geome Mea	etric Accur asurement	racy s	High-C Spatial R	ontrast esolution	Low-Contrast Detectability	Artifact Evaluation	Tested	Notes					
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Qualified Medical Physicist/MRI Scientist

Reviewed by:

Date of Review:

LASER PRINTER QC STARTUP WORKSHEET

Day	0% patch	10% patch	40% patch	90% patch
		Start Date:		
Day 1				
Day 2				
Day 3				
Day 4				
Day 5				
Average				

For five consecutive working days and using the SMPTE in the upper left corner of the page, measure the optical density each of the specified patches (0%, 10%, 40% & 90%) of the six-onone printout of SMPTE Pattern as described on pages 53 through 57 of the 2004 ACR MRI Quality Control Manual.

LASER PRINTER QC STARTUP WORKSHEET

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LASER FILM PRINTER CONTROL CHART – PERFORMED WEEKLY



This Laser Film Printer Control Chart is based upon information available on the ACR web site.

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MRI Accreditation Program Visual Checklist

MRI Facility	<pre></pre>																							
	Date:																							
	Table position and other displays																							
Patient	Alignment lights																							
and Gantry	Horizontal smoothness of motion and stability																							
Vertical motion smoothness and stability																								
Filming	Laser camera																							
Viewing	Light boxes																							
	RF door contacts																							
	RF window-screen integrity																							
RF Integrity	Operator console switches/lights/meters																							
Room	Patient monitor (if present)																							
	Patient intercom																							
	Room temperature/room humidity																							
	Emergency cart																							
Facility	Safety warning signage																							
Safety	Door indicator switch (if installed)																							
	Cryogen level indicator																							
	Pass = ☑ Fail =F Does Not Apply = NA																							
	Technologist Initials:																							

MRI Accreditation Program Visual Checklist

MRI Facility	<pre></pre>																							
	Date:																							
	Table position and other displays																							
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	Technologist Initials:																							

COMMENTS/CORRECTIVE ACTION

Date of Action	Action Taken	Initials