

On-line Table: Evaluation of imaging characteristics in vitro and in vivo

Imaging Modality	Standard Platinum Coils	Polymeric Coils	
	In Vitro	In Vitro	In Vivo
DSA			
Transparency	Not transparent	Transparent	Transparent
Visibility of superimposed vessels	Not visible	Visible	Visible
Flat panel CT			
Embolic mass	Not acceptable	Acceptable	
Individual coils	Not acceptable	Not acceptable	
Artifact production	Major	Minor	
Peri-aneurysmal area	Not acceptable	Not acceptable	
CT			
Embolic mass	Not acceptable	Acceptable	Acceptable
Individual coils	Not acceptable	Acceptable	Acceptable
Artifact production	Major	Minor	Minor
Peri-aneurysmal area	Not acceptable	Acceptable	Acceptable
CTA			
Embolic mass			Acceptable
Individual coils			Acceptable
Artifact production			Minor
Peri-aneurysmal area			Acceptable
Flow in sac			Acceptable
MRI			Acceptable
B0	Artifact production	Minor	None
TIWI			
Embolic mass	Acceptable	Excellent	Excellent
Individual coils	Not acceptable	Acceptable	Acceptable
Artifact production	Minor	None	None
Peri-aneurysmal area	Acceptable	Excellent	Excellent
T2WI			
Embolic mass	Acceptable	Excellent	Excellent
Individual coils	Not acceptable	Excellent	Excellent
Artifact production	Minor	None	None
Peri-aneurysmal area	Acceptable	Excellent	Excellent
TRUFI			
Embolic mass	Acceptable	Excellent	
Individual coils	Not acceptable	Excellent	
Artifact production	Minor	None	
Peri-aneurysmal area	Acceptable	Excellent	
TOF			
Embolic mass	Acceptable	Excellent	Excellent
Individual coils	Not acceptable	Excellent	Excellent
Artifact production	Minor	None	None
Peri-aneurysmal area	Acceptable	Excellent	Excellent
Flow in sac	Acceptable	Excellent	Excellent
Flow in neck	Acceptable	Excellent	Excellent

Note:—TRUFI indicates true fast imaging with steady state precession.