IOMRI (Intraoperative Magnetic Resonance Imaging) Safety Checklist

MRI Technologist Signature:				Date:		
Circulating RN Signature:				Date:		
		Intraoperative M	IR	I Pre-Procedure Checklist:		
			-	ployee MRI screening form via the Occupational Health requirement for anyone entering a UCSF MRI Site.		
		_		s, pens, hair clips and any other metal objects must be ase and before entering Zone IV.		
	compatible IV			ent, cleaned and in working order. This includes MRI kson Rees available, monitoring equipment (InVivo or		
	Manually verif	y that the metal OR22 sl	lidin	g doors work properly at 0700 am daily.		
	_	OR22 Maquet table is a ansfers to the MRI bore.		cking height, the MRI table docks to OR22 table properly,		
	moving the pat	•		gy and the MRI screening form must be completed prior to ny paper screening form is propagated to the electronic		
	After the patient has been pinned, check that the patient's position can be accommodated by the MRI gantry. Use plastic clearance arc if in doubt.					
	Application of	fiducials if needed, by t	he n	eurosurgeon.		
	Check that the neuro-monitoring needles and electrodes are appropriately labeled for MRI use.					
	Be aware that, even though you are using EKG electrodes and cables that are approved for use during an MRI, a severe burn can still develop if the electrodes are not in complete contact with the skin surface (that is, if excess hair has not been removed or there is an air gap between the electrode and the skin). When there is an air gap, the electrical pathway is broken and heat can build up at the center of the electrode as well as letting the current arc from the electrode to the skin, which can cause burns. Do not let the cables form a loop.					
	for use.	I protocol with the MD representation Patient Name Label	neur	rosurgeon performing the case and that the protocol is ready		

Checklist Prior to Patient Transfer into MRI Zone IV

		eam notifies MRI Technologist 45 minutes before the estimated scan start time. Circulator (RN) and OR Scrub – verifies that sponge and instrument count are correctN/A
	OR C	Circulator (RN):
	1.	Verify that urinary catheter is secured for transfer, the metal clamp removed and replaced with
		plastic clampN/A
	2.	Verify that the bed is free of all non-essential items and all MRI Unsafe supplies, such
		as neuromonitoring needles, electrodes, stylets, pumps, laryngoscope handles, and the
		laryngoscope blade.
	3.	Skin assessment performed and documented by a Registered Nurse.
		Invivo monitoring devices appropriately labeled for MRI use in place on patient and functioning properly; grounding pad removed.
	5.	Verify that the patient is free of non-MR compatible temperature probes, EKG pads, patches, or other non-MRI compliant devices.
	6.	
	7.	Verify with the MRI technologist that all is ready to open the OR22/Magnet Room door.
		Technologist:
		Insertion of earplugs into patient's ears before pinning and coil placement. Verify properly
	1,	secured before starting MRI scan sequences.
	2.	Perform a patient bed check to ensure there are no metal sharps, scissors, or other metal items
		present.
	3.	All staff entering Zone IV and the patient must be screened with Ferromagnetic Detection Wand.
	1	Verify with Circulator RN that the EKG electrodes that are on the patient are for MRI use.
	5.	
	6.	
	0.	
		 Ensure that the patient skin does not come into contact with the scanner bore
		 Ensure that the patient's arms and legs are not touching each other and are not crossed Prevent the indwelling urinary catheter from touching the patient's skin
		 Protect the patient's skin folds (e.g., placing padding in the skin folds of a patient's
		pannus
		RN, Anesthesia and Level II MRI personnel all verify MRI Safety readiness prior to patient entry
	into	Zone IV with a Verbal MRI Safety Time Out.
Al		f entering magnet suite (Zone IV) must remove pagers, phones, ID badges,
		watches, wallets, pens, hair clips and any/all other metal objects. *
1	* MR	I Safety Time out just before entering Zone IV is performed when Surgeon,
		Anesthesia, Registered Nurses, and MRI staff are all present*
	ı	Patient Name Label