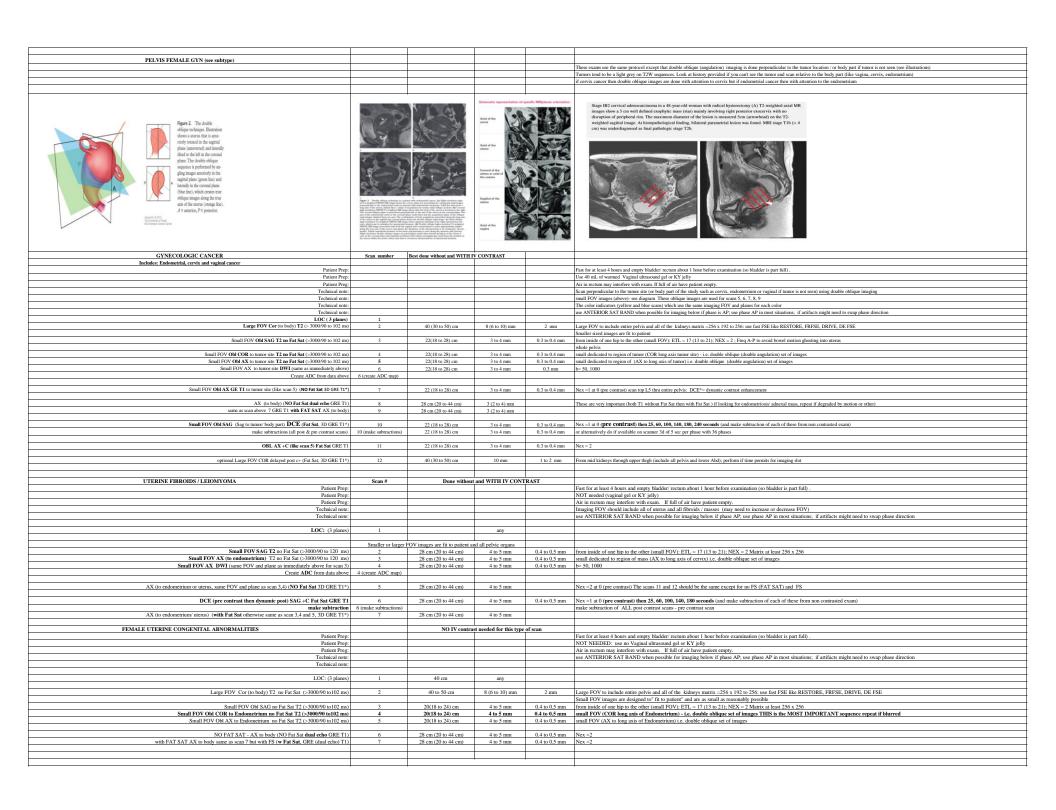
Radiology of Indiana

Radiology of Indiana					
			Slice Thickness		
Protocols	Scan #	FOV (CM)	(mm)	Spacing (mm)	Special Instructions/Comments
			(11111)		
Abdomen		40.10	_		Any abdomen study without an organ specific indication. Otherwise, see organ specific protocol.
Ax Fiesta/ True FISP		~30-40	5	2.5	
Ax 3D Dual Echo Ax T2 SSFSE/HASTE		~30-40 ~30-40	5	2.5	
Cor T2 SSFE/HASTE		~30-40	4	1	
Ax T2 FS Propeller/T2 Haste FS		~30-40	5	1	
Ax DWI (50/1000)		~30-40	8	2	Only send B50 and 1000
ADC		~30-40	8	2	
Ax Pre (Lava or sim)		~30-40	5	2.5	If there is a "mask" phase you don't need to complete pre-contrast LAVA. If not, we need a separate pre-contrast LAVA.
Ax Post Dyn (20 sec, 1 min 3 min)		~30-40	. 5	2.5	
Cor Post 5 min Ax Post 10 min		~30-40 ~30-40	4	2.5	
Ax T1 Lava 20 min (Eovist only)		~30-40	5	2.5	FYI: All Vibes/Lavas should be Fat Sat or "water only" images for all MRI body protocols
AX 11 Lava 20 mm (Lovist omy)		-50-40	,	2	111. All viocestaves should be fall safety water than a man body protocols
Adrenal					
Ax Fiesta/ True FISP		~30-40	5	1	
Ax 3D Dual Echo		~30-40	5	2.5	
Coronal 3D Dual Echo		~30-40	5	2.5	
Ax T2 SSFSE/HASTE Cor T2 SSFE/HASTE		~30-41 ~30-40	5	1	
Ax T2 FS Propeller/T2 Haste FS		~30-40	5	1	
Ax DWI (50/1000)		~30-40	8	2	Only send B50 and 1000
ADC		~30-40	8	2	
Ax Lava or similar		~30-40	5	2.5	
Liver		20.10			N. C. V. All. I. MRICE IC. V. C. C. V. D. IC. C. V. D. IC
Ax Fiesta/ True FISP		~30-40	5	2.5	Please refer to Liver & Abdominal MRI Clinical Guidelines for Gadolinium Based Contrast Agents Exc dedicated lines infection, acid converses an pas from hume bases to below the past to solve
Ax 3D Dual Echo Ax T2 SSFSE/HASTE		~30-40 ~30-41	5	2.5	For dedicated liver indication, axial coverage can be from lung bases to below liver. Does not need to cover below kidneys
Cor T2 SSFE/HASTE		~30-41	4	1	
Ax T2 FS Propeller/T2 Haste FS		~30-40	5	1	
Ax DWI (50/1000)		~30-40	8	2	Only send B50 and 1000
ADC		~30-40	8	2	
Ax Pre (Lava or sim)		~30-40	5	2.5	
Ax Post Dyn (20 sec, 1 min 3 min)		~30-40	5	2.5	
Cor Post 5 min		~30-40	4	2	
Ax Post 10 min Ax T1 Lava 20 min (Eovist only)		~30-40 ~30-40	5	2.5 2.5	
AX 11 Lava 20 mm (Lovist omy)		~30-40		2.3	
Pancreas with MRCP					
					* Use Gadavist and have Body Radiologist review last set of images to determine if delayed images need to take place, if no bile leak identified.
Ax Fiesta/ True FISP		~30-40	3	1	Pancreatic protocol must include MRCP in order
Ax 3D Dual Echo		~30-40	4	2	F/U IPMN, pancreatic cyst, chronic pancreatitis, pancreatic mass.
Ax T2 SSFSE/HASTE Cor T2 SSFE/HASTE		~30-40	5 4	1	For dedicated pancreas indication, axial coverage can be from bottom of heart/left hemidiaphragm to below C-loop of
Ax T2 FS Propeller/T2 Haste FS		~30-40	4	1	duodenum. Plan from coronal localizer. Coronal images must cover pancreas from front to back using axial images for planning. Do not need to cover skin to skin on coronal. Smallest FOV as possible.
Ax DWI (50/1000)		~30-40	7	1	Daily send B50 and 1000
2D MRCP		~30-40	40	0	3 Oblique views. See planning images
Cor 3D MRCP		~30-40	1.4	0.7	Focus on pancreatic duct
3D MIP		~30-40			Single thick slab from 3D images
ADC		~30-40	7	1	
Ax Pre (Lava or sim)		~30-40 ~30-40	3 4	1.5	
Ax Post Dynamic (45 sec, 80 sec, 3 min) Cor Post 5 min		~30-40	4	2	
Ax Post 10 min		~30-40	3	1	
				-	
Renal					
Ax Fiesta/ True FISP		~30-40	4	1	For dedicated renal indication (usually renal mass), axials must cover from above adrenal glands to below kidneys. Plan from
Ax 3D Dual Echo		~30-40	6	1.5	localizer. Does not need to cover entire abdomen. Coronal images must cover both kidneys from front to back using axial
Ax T2 SSFSE/HASTE Cor T2 SSFE/HASTE		~30-41	5	1	images for planning. Do not need to cover skin to skin.
Ax T2 FS Propeller/T2 Haste FS		~30-40	4	1	
Ax 1213 Hopener 12 Hasse 13 Ax DWI (50/1000)		~30-40	7	1	Only send B50 and 1000
ADC		~30-40	7	i	
Ax Pre (Lava or sim)		~30-40	3	1	
Cor Pre (Lava or sim)		~30-40	3	1	
Ax Post Dyn (20 sec, 60 sec, 90 sec)		~30-40 ~30-40	3	1	
Cor Post 3 min Ax Post (acquired after Cor Post 3 min)		~30-40	3	1	
AX Post (acquired after Cor Post 3 min) Post process subtraction		,-0-40	3	1	Cor post minus pre; Ax post minus pre
rost process subtraction					and the second s
Liver with MRCP					* Use Eovist and have Body Radiologist review last set of images to determine if delayed images need to take place, if no bile leak identified.
Ax Fiesta/True FISP		~30-40	5	1	Any MRCP study without a pancreas specific indication (otherwise use Pancreas with MRCP protocol). Must cover entire liver
Ax 3D Dual Echo		~30-40	5	2.5	axial and coronal. Does not need to include entire kidney on axial unless needed to cover liver. Does not need skin to skin coverage
Ax T2 SSFSE/HASTE		~30-40	5	1	on coronal.
Cor T2 SSFE/HASTE		~30-40	4	1 1	
Ax T2 FS Propeller/T2 Haste FS Ax DWI (50/1000)		~30-40 ~30-40		2	Only send B50 and 1000
AX DW1 (50/1000) ADC		~30-40	7	1	Only John May 1000
2D MRCP		~30-40	40	0	3 Oblique views.
Cor 3D MRCP		~30-40	1.4	0.7	,
3D MIP		~30-40			Single thick slab from 3D images
Ax Pre (Lava or sim)		~30-40	5	2.5	
Ax Post Dyn (20 sec, 1 min 3 min)		~30-40	5	2.5	
Cor Post 5 min		~30-40	4	2.5	
Ax Post 10 min Ax T1 Lava 20 min (Eovist only)		~30-40 ~30-40	5	2.5	
AX 11 Lava 20 min (Eovist only)		~30-40	3	4.3	

Abbreviated MRCP (w/o)				
Ax T2 SSFSE/HASTE Fat Sat Cor T2 SSFE/HASTE	~30-41 ~30-40	5	1	Any MRCP study without a pancreas specific indication (otherwise use Pancreas with MRCP protocol). Must cover entire liver axial and coronal. Does not need to include entire kidney on axial unless needed to cover liver. Does not need skin to skin coverage on coronal.
Ax DWI (50/1000)	~30-40	8	2	izani ani cotona poli medi o inicio cinic kinicy di axiai unessi recordi o cover aver. Does not necu sani di sani coverage di cordina. Only send sani doos ani 1000 Only send sani ali ono oni con di conditi cinic kinicy di axiai unessi recordi o cover aver. Does not necu sani di sani coverage di cordina.
Ax Fiesta/True FISP	~30-40	5	1	
Axial 3D Dual Echo	~30-40	5	2.5	
2D MRCP (Thick & Thin cuts) Cor 3D MRCP	~30-40 ~30-40	40 1.4	0.7	3 Oblique views.
Cor 3D MRCP Ax Lava	~30-40	1.4	2.5	
COT Lava	~30-40	5	2.5	
Appendicitis (Order as MR Abd and Pelvis)	12	4		
Sag SSFSE Cor 2D Fiesta	42 42	4	1	
Cor SSFSE	42	4	1	
Cor SSFSE FS	42	4	1	
Ax Fiesta	40	5	1	
Ax SSFSE Ax SSFSE FS	40	5	1	
Ax 35/3L13	40	6	3	
Ax DWI (800 to 1000)	40	8	2	
F. C. L. O. L. MD. L.				
Enterography - Order as MR Abdomen and Pelvis Cor Fiesta Cine	32	8	0	* Coverage for all sequences to include stomach (as much stomach as possible) to perineum (through anus); axial images may need to be split into 2 stacks for appropriate coverage
(Give .5 mg Glucagon: IV preferred)	32		· ·	Coverage to an sequences to fluence software to the software to the software to the spin mode of
Cor SSFSE	40	3	1	* Glucagon relative contraindication to diabetes.
Ax SSFSE	40	4	1	* Administration of glucagon via IV injected slowly, is preferred over IM, if possible.
Ax SSFSE FS	40 40	4	1	* NPO 4 hours prior to exam
Ax T1 Lava Cor SSFSE FS	40	5	2.5	* 2 bottles Breeza/Volumen over 1 - 1.5 hour as tolerated by patient prior to imaging, water if can't tolerate Breeza/Volumen (adult and peds) * Please send images to PACS in appropriate orientation
Ax T1 Lava +C (70 sec delay)	40	5	2.5	
Cor Tl Lava +C	40	5	2.5	
Axial DWI (50,1000)	40	8	2	
Perianal Fistula or Perianal Abscess				+
Sag T2 FSE	22	4	0.5	* Axial scan range from bladder base to gluteal skin, coronal scan range from pubic symphysis to coccyx
Ax T2 propeller or FRFSE	22	2	0.2	* Oblique axial and coronal to anal canal based on sagittal image
Ax T2 FS propeller or FRFSE	22	2	0.2	* Need surgeon note.
Cor T2 propeller or FRFSE	22 22	4	0.1	* Does pt. have seton drain?
Cor T2 FS propeller or FRFSE Ax T1 SPGR FS sm FOV	24	4	0.5	
Ax TI SPGR FS +C	42	5	1	
Cor T1 SPGR FS +C	24	4	0.5	
Ax T1 Sm FOV FS +C	24	4	0.5	
Prostate				
				* Preferred prep: Microenema administered by the patient in the department, immediately before the scan.
				* If microenema is not available in the department, full prep may be utilized which requires the patient to plan to purchase and perform the prep at home.
				* Prep: Nothing to eat or drink I2 hours prior, 1 bisacodyl suppository (Dulcolax) 10 hours prior to study, void just before exam
Ax Global Lava	40 freq x 32 phase	2.5	0	* Special Instructions: No Caffeine the morning of the exam
T2 Sag propeller or FRFSE	12cm - 20cm	3	0	Iliac Crest through Pubic Symphysis: Scan in the plane of the magnet and 90 degrees from each other. Entirety of Prostate gland including seminal vesicles
T2 Cor propeller of FRFSE	12cm - 20cm	3	0	Entirety of Prostate gland including seminal vesicles
T2 Ax propeller or FRFSE	12cm - 20cm	3	0	Entirety of Prostate gland including seminal vesicles: Diffusion/ Ax T2/Dynam are all same plane
Ax Focus Diffusion (50/1000)	24	4	1.5	Entirety of Prostate gland including seminal vesicles: Diffusion/Ax T2/Dynam are all same plane [Entirety of Prostate gland including seminal vesicles: Diffusion/Ax T2/Dynam are all same plane
Ax Perfusion (Dynamic)	24 (not specified)	4	1.5	Entirety of Prostate gland including seminal vesicles: Diffusion/ Ax T2/Dynam are all same plane Entirety of Prostate gland including seminal vesicles: Diffusion/ Ax T2/Dynam are all same plane: Include color mapping through CAD system
Ax Fertusion (Dynamic) Ax Global Lava + Contrast	40 freq x 32 phase	2.5	0	Emirty or Frosting Rubai Incumpy serial mission of the Transaction of
				Each type for Diffusion
				Use B value of 1000 to calculate ADC map
				Send B value of 1400 to PACS for diffusion. Do NOT use this B value to calculate ADC [Vour MB] can extraordisk palues of 1400 use to save time [For security 2] construct efficiency sequences.
				If your MRI can extrapolate B values of 1400, use to save time. If not acquire 2 separate diffusion sequences Please send "water only" LAVA images
				Fixed white water trapplate a subject of the subjec
				Only provide 10 sequences
				16 abit being man de ann deuth angleid a LCT adau 2T MOI
			1	* If pelvic hardware present, the exam should be completed on 1.5T and not 3T MRI
				1
				1
			-	
			1	+
			-	
			1	
				1
	1		1	



ADNEXAL MASS or ENDOMETRIOSIS or R/O OVARIAN TORSION (female gynecologic emergencies)	Dont done mit	hout and WITH IV CO	AITD A CT	
ADALAAL MASS OF ENDOMETROSIS OF KO OVARIAN TORSION (telliate gynecologic entergencies) Patient Prep:	Dest done wit	nout and with iv CO	NIKASI	Empty bladder 20 min to 1 hour (1 hour best if time permits however for torsion r/o may use shorter (any) times) before examination (so bladder is part full).
Patient Preg:				Air in rectum may interfere with exam. If full of air have patient empty.
Technical note:		1	1	use ANTERIOR SAT BAND when possible for imaging below if phase AP; use phase AP in most situations; if artifacts might need to swap phase direction
Technical note: Technical note:				Vaginal Gel or KY Jelly is NOT needed for this exam Use Ax, Cor and Sag imaging to the body (not cervix or endometrium)
Technical note:				* IV contrast recommended, if ordered without contrast, then to all scans above (including scan 9 without contrast, but no dynamic contrast scans)
LOC: (3 planes) 1	40 cm	any		
Cor (to body) T2 (>3000/90 to 102 ms) 2	40 to 50 cm	8 (6 to 10) mm one in pelvis (view both o	2 mm	Large FOV to include entire pelvis and all of the kidneys matrix =256 x 192 to 256: use fast FSE like RESTORE, FRFSE, DRIVE, DE FSE
SAG (to body) Small FOV no Fat Sat T2 (>3000/90 to 102 ms) 3	28 cm (20 to 44 cm)		0.3 to 0.4 mm	from inside of one hip to the other (small FOV): ETL = 17 (13 to 21); NEX = 2 Matrix at least 256 x 256
COR (to body) Small FOV no Fat Sat T2 (>3000/90 to 102 ms) 4	28 cm (20 to 44 cm)	3 to 4 mm	0.3 to 0.4 mm	
AX (to body) Small FOV no Fat Sat (>3000/90 to 102 ms) 5	28 cm (20 to 44 cm)		0.3 to 0.4 mm	
AX DWI (same as immediately above) 6 Create ADC from data above	28 cm (20 to 44 cm)	3 to 4 mm	0.3 to 0.4 mm	b= 50, 1000
AX (to body) (NO Fat Sat dual echo GRE T1) 7	28 cm (20 to 44 cm)	3 (2 to 4) mm		These are very important (both T1 without Fat Sat then with Fat Sat) if looking for endometriosis/ adnexal mass, repeat if degraded by motion or other)
same as scan above 7 GRE T1 with FAT SAT AX (to body) 8	28 cm (20 to 44 cm)	3 (2 to 4) mm		
	40 40 41			
SAG (to body) pre then post contrast DCE +C Fat Sat GRE T1 9 make subtractions of ALL post contrast - pre contrast 9 (make subtr	28 cm (20 to 44 cm)	3 (2 to 4) mm	make subtractions	Nex = 1 at 0 (pre contrast) then 25, 60, 100, 140, 180 seconds (and make subtraction of each of these from non contrasted exam) Sag images are pelvic bone to pelvic bone
make subtractions of ALL post contrast - pic contrast - yet contra	dous)			Sag mages are pervite torice to pervite torice.
same as scan 8 but post contrast AX (to body) +C (Fat Sat, 3D GRE T1) 10	28 cm (20 to 44 cm)	3 (2 to 4) mm		go to bathroom for urethra diverticulum
Bladder Mass				
Patient Prep:				Empty bladder about 2 hours before examination (so bladder is moderately full) .
Patient Preg:				Air in rectum may interfere with exam. If full of air have patient empty.
Technical note:				use ANTERIOR SAT BAND when possible for imaging below; if artifacts might need to swap phase direction
LOC: T2W SSFSE or Haste COR	40 cm	any		
Large FOV Axial (to body) T2 (4000/90 ms)*	34 (30 to 40 cm)	6 mm	1 mm	
Large FOV Cor (to body) T2 (4000)90)*	40 to 50 cm	8 mm	2 mm	*Large FOV to include entire pelvis (bone to bone) and at least most of the kidneys
	POV.	1,	175	
SAG T2 (4000/90 ms)	FOV to view bone to bone i 28 cm (20 to 44 cm)		es and Uterus) 0.3 to 0.4 mm	**from inside of one hip to the other (small FOV): ETL = 17 (13 to 21); NEX = 2 Matrix at least 256 x 256
SAG 12 (4000/90 ms) COR T2 (4000/90 ms)	28 cm (20 to 44 cm) 28 cm (20 to 44 cm)	3 to 4 mm	0.3 to 0.4 mm	non mane, or one mp to the soller (SHBH LV 1), Lalle = 17 (LD W 21), PILOT = 2 (BBH A B RAS), LAVA 250
AX T2 (4000/90 ms)	28 cm (20 to 44 cm)	3 to 4 mm	0.3 to 0.4 mm	
AX DWI (same as immediately above)	28 cm (20 to 44 cm)	3 to 4 mm	0.3 to 0.4 mm	Diffusion b= 50, 1000
Create ADC from data above	28 cm (20 to 44 cm)	+	1	
AX DCE (NO Fat Sat3D GRE T1*)	28 cm (20 to 44 cm)	3 (2 to 4) mm		Nex = 2 at 0 (pre contrast)
AX DCE (Fat Sat, 3D GRE T1*)	28 cm (20 to 44 cm)	3 (2 to 4) mm	make subtractions	Nex = 1 at 0 (pre contrast) then 30,60, 90, 120, 150 seconds (and make subtraction of each of these)
SAG +C Fat Sat GRE TI	28 cm (20 to 44 cm)	3 (2 to 4) mm	2	Nex = 2
COR +C delayed (Fat Sat, 3D GRE T1*) * IV contrast recommended, if ordered without contrast then do scans above without contrast (do Ax no Fat Sat, Ax Fat Sat, Sag T1)	40 cm (30 to 50 cm)	8 mm	2 mm	From mid kidneys through upper thigh (include all pelvis and lower Abd) Use Ax, Cor and Sag imaging to the body (not cervix or endometrium)
To common recommended, it ordered without comman dien do seales most without comman (no rich no rich order, in a die, oug 17)				Own ris, cot and one magning to the body two vertile of confidentially
Penis (Fracture)		_		
Cor STIR Global Ax T1 Lava Global	30 30	5	1 2	Tape penis to abdomen if needed
Sag T2 Propeller	24	3	0.4	
Sag T1	24	3	0.4	
Cor T2 Propeller	22	3	0.1	
Cor T1 Ax T2 Propeller	22 17	3	0.1	
AX 12 Properer	17	3	0.2	
Penis (Peyronie's Disease) Cor STIR Global	40	5	1	Tape penis to abdomen if needed
AX TI Lava Global	40	4	2	тарс решу во аволиен и несоса
Sag T2 FS Propeller	24	3	0.4	
Sag T1 FS	24	3	0.4	
Cor T2 Propeller Cor T2 FS Propeller	22 22	3	0.1	
CorTIFS CorTIFS	22	3	0.1	Rev 7-11-19
Ax T2 Propeller	17	3	0.2	
Ax T2 FS Propeller	17	3	0.2	Include IMA
Ax TI FS Ax TI FS +C	17	3	0.2	
Cor T1 FS +C	22	3	0.1	
Sag T1 FS +C	24	3	0.4	
		+	1	
Rectal Cancer (1.5 T)		+	1	
(m/ A)				* Preferred prep: Microenema administered by the patient in the department, immediately before the scan.
		1		* If microenema is not available in the department, full prep may be utilized which requires the patient to plan to purchase and perform the prep at home.
Technical note:		+	1	 Prep: Nothing to eat or drink 12 hours prior, 1 bisacodyl suppository (Dulcolax) 10 hours prior to study, void just before exam Special Instructions: No Caffeine the morning of the exam
Ax T2 FRFSE Global	~30	5	0	* Special instructions: No Carreine the morning of the exam 320x320
Ax Diff Global (50/800)	~30	5	1	
Sag T2 FRFSE	24	4	0	320x224 (Do axials PERPENDICULAR to mass. VERY IMPORTANT** See images)
Cor T2 FRFSE Ax OBL T2 FRFSE	24 24	3	0	320x224 (See Images Below)
AX OBL 12 FRESE Cor OBL T2	24	3	0	3-208-224 (See images below) The second image shows how sometimes multiple axial planes must be used to get it perpendicular.
		· ·		* No laxative is needed for diverted patients
Postel Conser (2.6 Th		+	1	
Rectal Cancer (3.0 T)		+	1	Preferred prep: Microenema administered by the patient in the department, immediately before the scan.
				* If micronema is not available in the department, full pres by the third with report of the present of the pre
			1	* Prep: Nothing to eat or drink 12 hours prior, 1 bisacodyl suppository (Dulcolax) 10 hours prior to study, void just before exam
1 MA PRIVATE OF L. C.	20	_		* Special Instructions: No Caffeine the morning of the exam
Ax T2 FRFSE Global Ax Diff Global (50/800)	~30	5	0	320x320
AX DIT Global (50/800) Sag T2 FRFSE	24	4	1	416x384
Cor T2 FRFSE	24	3	1	320x320 (These are overlapped images, 3mm then move 1 mm)
Ax OBL T2 FRFSE	24	3	1	416x384 (Perpendicular to tumor)
Cor OBL T2	24	3	1	The second image shows how sometimes multiple axial planes must be used to get it perpendicular. No laxative is needed for diverted patients
		1	1	The state of the s

Urethra Diverticuli	-			
Ax T2 FS Global Axial T2	28 12-16	4 2	0.3	Include entire urethra from bladder neck to external meatus. No vaginal gel.
Axial 12 Sag T2	12-16	3	0.3	ro raginar ger.
Cor T2	12-16	3	0.3	
Ax Ti Lava	12-16	3	1	
Ax T1 Lava +C (Dynamic) Ax T1 Lava + C Global	12-16 34-40	3	6	Nex = 1 at 0 (pre contrast) then 25, 60, 100, 140, 180 seconds (and make subtraction of each of these from non contrasted exam)
Ax 11 Lava + C Global Ax T1 Lava + C (after voiding)	12-16	3	1	Images acquired after voiding through urethra (to answer the question does the abnormality fill with contrast after voiding to confirm a urethra diverticulum)
The Little To Quite To Guide T	12 10	,		нивден вершен инсеттория деноват и синие (во шеже не физика и синие на пределения и синие и си
MRV Pelvis (May-Thurner's Syndrome)	40		na	
CEMRA (Mask + 4 phases 20 sec apart , 3D Lab recons)	40	4	2	
NO. 1				
MRA Aorta Ax 3D Dual Echo	40	4	2	
Ax T2 FS Propeller	40	6	1	
CEMRA (Mask + Dyn 2cc/sec 32 Locs)	40	3	1.5	
MRA Renal				
Ax 3D Dual Echo	40	4	2	
Ax T2 FS Propeller	40	6	1	
Ax 3D Enhance wo (60 locs/slab)	38	2	1	
Mediastinal Mass				
Coronal T2 Haste	20-30	4	1	
Axial T2 Haste Axial STIR	20-30 20-30	4	1	Please confirm with radiologist regarding scan range to ensure lesion is imaged appropriately, as this is an uncommon exam. Typically, thoracic inlet through base of heart.
Axial STIR Axial IN/OUT phase	20-30	3	1	
Axial TRUFISP	20-30	4	1	
Axial DWI (B50, B1000)	20-30	5	1	
Axial T1 VIBE pre	20-30	3	1	
Axial T1 VIBE post (20-30s, 60-70s, 3 min) Coronal T1 VIBE post (5 min)	20-30 20-30	3	1	
Coroda 11 VIDE post (5 mm)	20-30	,		
Abridged Whole Body MRI				2 company and a standard MDI Not MDI Clear and MDI Aking a Dake White Data MDV . See 1998 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Neck Axial T1	18	3	3	3 separate exams will need ordered MRI Neck, MRI Chest, and MRI Abdomen/Pelvis. Whole Body MRI is an unlisted CPT code and cannot be used as it is not billable Superior FOV must include IACs
Axial T2 fat sat	18	3	3	Superior FOV most incline Press
Axial DWI	18	3	3	
Axial C+T1 fat sat	18	3	0.3	
Coronal C+T1 fat sat Chest	25	3	0.3	
Coronal T2 Haste	20-30	4	1	
Axial STIR	20-30	4	1	
Axial DW/ADC Axial TI VIBE pre/post (60-70s)	20-30 20-30	3	1	
Axia 11 VIBE pre-post (60-70s) Coronal T1 VIBE post (5min)	20-30	5	1	
Abdomen/Pelvis		-	-	
Coronal T2 Haste	~30-40	5	1	
Axial T2 fat sat Axial T1 in/out of phase	~30-40 ~30-40	5	2.5	
Axial 11 in out of phase	~30-40	4	1	
Axial Ti ViBE pre/post (60-70s)	~30-40	5	1	
Coronal Ti VIBE pos	~30-40	8	2	
Rib				
Routine Breathing				Mark the site(s) of pain
Axial T1 Axial T2 Fat Sat	25-35* 25-35*	4	1	* FOV to only include rib cage and adjacent chest wall musculature
Axia 12 Fat Sat Coronal STIR	25-35* 25-35*	4	1	
Coronal GRE	25-35*	4	1	
Breath Hold (~20 seconds each)	25.250	4		
COR T1 VIBE (non Fat Sat) Sag T1 VIBE (non Fat Sat)	25-35* 25-35*	4	1	
Ax T2 HASTE (non Fat Sat)	25-35*	4	1	If poor Fat Sat on the HASTE, please use triplane breath-hold STIR
Triplane T2 HASTE Fat Sat	25-35*	4	1	
Soft Tissue "Tumor"				*FOV and Spacing subject to area of concern. Use same FOV and Spacing as the closest joint or body part.
Axial TI	*	*	*	, g , same to a management of the control of the co
	*	*	*	
Axial PD Fat Sat				
Axial GRE	*	*	*	
Axial GRE If contrast ordered: Ax T1 Fat Sat	*	*	*	
A viai GRE If contrast ordered: A: T I Fat Sat Cor TT Cor STIR	*	*	*	
Axial GRE If contrast ordered: Ax T1 Fat Sas Cor T2 Cor T2 Sag T2 Fat Sas	*	*	*	
A vial GRE If contrast ordered: AT 1 Fat Sat Cor TT Cor STIR Sag T2 Fat Sat If contrast ordered.	*	*	* *	
Axial GRE If contrast ordered: Ax T1 Fat Sas Cor T2 Cor T2 Sag T2 Fat Sas	0 0 0	* *	*	
A taid GRE If contrast ordered: Ar T1 Fat Sat Cor T2 Fat Sat T2 Fat Sat If contrast ordered Triplane T1 Fat Sat Post	0 0 0	* *	* *	
Axiai GRE If contrast ordered: Ax T Fat Sat Cor TT Cor STIR Sag TT Fat Sat If contrast ordered Triplane T1 Fat Sat Post Pectoralis		* * * * * * * * * * * * * * * * * * *	*	To an field of nine oriented to according naive mode (in include from larged control of houses).
Axial GRE If contrast ordered: A. T1 Fat Sat Cor T2TR Cor STIR Sag T2 Fat Sat If contrast ordered Triplane T1 Fat Sat Post Pectoralis Axial T2 Fat Sat	* * * * * * * * * * * * * * * * * * * *	* *	* *	Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humerus thru sternum) Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humerus thru sternum)
Axiai GRE If contrast ordered: Ax T Fat Sat Cor TT Cor STIR Sag TT Fat Sat If contrast ordered Triplane T1 Fat Sat Post Pectoralis	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	*	Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humerus thru sternum) Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humerus thru sternum) Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humerus thru sternum)
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Axial GEE If contrast ordered. Ax T F Et Sta Cor TZ Cor STIR Sag TZ F Et Sta If contrast ordered Triplane T1 Fat Sta Post Pectoralis Axial TZ F Et Sta Cor TI Cor STIR Sag TZ F Et Sta If contrast ordered Triplane T1 Fat Sta Post Or TI Axial TZ F Et Sta Axial TZ F Et Sta Pectoralis Axial TZ F Et Sta Axial TZ F Et Sta De T T T T T T T T T T T T T T T T T T T	* * * * * * * * * * * * * * * * * * *	* * * * * 4 4 4 4	* * * * * * * * * * * * * * * * * * *	Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humens thru sternum) Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humens thru sternum) Large field of view oriented to pectoralis major muscle (to include from lateral cortex of humens thru sternum) Small field of view oriented to the humens (truly axial to humens, from glenohumenal joint to about mid humens) Small field of view oriented to the humens (truly axial to humens, from glenohumenal joint to about mid humens)
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Urogram				
Saline Bolus 100 ml				
Cor SSFSE	~30-40	6 mm	7 mm	
Axial SSFSE	~30-40	6 mm	7 mm	
Axial DE	~30-40	5 mm	2.5 mm	
Axial LAVA	~30-40	3 mm	1.5 mm	
Axial T2	~30-40	6 mm	7 mm	
Axial DWI	~30-40	8 mm	10 mm	
Give Lasix 1 mg	~30-40			
2D Cor Oblique (MRCP) 3D Cor Oblique (MRCP)	~30-40	60 mm	60 mm	
3D Cor Oblique (MRCP)	~30-40	2 mm	2 mm	
Cor LAVA - Dynamic 5 min. & 10 min.	~30-40	3 mm	1.5 mm	
Axial LAVA 12 minute	~30-40	3 mm	1.5 mm	
Cor Fiesta	~30-40	6 mm	7 mm	
Axial Fiesta	~30-40	6 mm	7 mm	
Cor LAVA - 15 min.	~30-40	6 mm	7mm	