



**School of Medicine
and Public Health**

UNIVERSITY OF WISCONSIN-MADISON

Dose Check and Dose Benchmarking Manual

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Manufacturer:
School of Medicine and Public Health
University of Wisconsin-Madison
610 Walnut Street
Madison, WI 53726

Manufactured in USA

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
ADULT BODY PROTOCOLS				
Chest/Abd/Pelvis with IV Contrast	5.4	S2G1	Small	10
	5.5		Medium	30
	5.6		Large	45
		S2G2	Small	20
			Medium	40
			Large	65
Chest/Abd/Pelvis without IV Contrast	5.7	S2G1	Small	10
	5.8		Medium	30
	5.9		Large	45
		S2G2	Small	20
			Medium	40
			Large	65
CTPA for PE with Abd/Pelvis	5.19	S2G1	Small	15
	5.20		Medium	15
	5.21		Large	30
		S2G2	Small	20
			Medium	40
			Large	65
Trauma - Chest	5.22	S2	Small	10
	5.23		Medium	30
	5.24		Large	45
Trauma - Chest/Abd/Pelvis	5.25	S2G1	Small	10
	5.26		Medium	30
	5.27		Large	45
		S2G2	Small	30
			Medium	70
			Large	135
		S3	Small	20
			Medium	40
			Large	65
Abd/Pelvis	6.1	S2	Small	20
	6.2		Medium	40
	6.3		Large	65
Trauma - Abd/Pelvis	6.4	S2	Small	30
	6.5		Medium	70
	6.6		Large	135
		S3	Small	20
			Medium	40
			Large	65
High Image Quality Cancer Follow-Up Abd/Pel	6.7	S2	Small	30
	6.8		Medium	70
	6.9		Large	115
Abd/Pelvis - Flank Pain	6.10	S2	Small	20
	6.11		Medium	40
	6.12		Large	65
Limited Follow-Up Kidneys Only	6.13	S2	Small	10
	6.14		Medium	20
	6.15		Large	30
Abd/Pelvis - Colonography	6.16	S2	Small	15
	6.17		Medium	15
	6.18		Large	15
		S4	Small	15
			Medium	15
			Large	15
		S6	Small	15
			Medium	15
			Large	15
Abd/Pelvis - Colonography with IV Contrast	6.19	S2	Small	15
	6.20		Medium	15
	6.21		Large	15

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
		S4	Small	20
			Medium	40
			Large	65
		S6	Small	15
			Medium	15
			Large	15
Abd/Pelvis - Urography	6.22	S2	Small	15
	6.23		Medium	25
	6.24		Large	45
		S3	Small	25
			Medium	45
			Large	85
Abd-Liver - Biphasic	6.25	S2G1	Small	15
	6.26		Medium	25
	6.27		Large	50
		S2G2	Small	20
			Medium	40
			Large	65
CTA Abd-Liver - Triphasic	6.28	S2	Small	15
	6.29		Medium	15
	6.30		Large	15
		S3G1	Small	30
			Medium	45
			Large	95
		S3G2	Small	10
			Medium	20
			Large	35
		S3G3	Small	10
			Medium	20
			Large	35
Abd-Adrenal Gland - Adenoma	6.31	S2	Small	35
	6.32		Medium	60
	6.33		Large	80
		S3	Small	30
			Medium	45
			Large	60
		S4	Small	35
			Medium	60
			Large	80
CTA Abd-Liver - Donor Work-up	6.37	S3G1	Small	30
	6.38		Medium	45
	6.39		Large	85
		S3G2	Small	10
			Medium	20
			Large	35
		S3G3	Small	25
			Medium	50
			Large	80
Abd- Pancreas Cancer (Neoplasm Screening)	6.40	S2G1	Small	30
	6.41		Medium	70
	6.42		Large	115
		S2G2	Small	25
			Medium	45
			Large	85
CTA Abd-Pancreas - Transplant	6.46	S2	Small	10
	6.47		Medium	25
	6.48		Large	35
		S3G1	Small	30
			Medium	45
			Large	85
		S3G2	Small	25
			Medium	45
			Large	85
Abd/Pelvis-Kidney Tumor	6.49	S2	Small	10
	6.50		Medium	25

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
	6.51		Large	35
		S3	Small	20
			Medium	40
			Large	65
		S4	Small	25
			Medium	45
			Large	85
CTA Abd - Renal Donor	6.52	S2	Small	10
	6.53		Medium	25
	6.54		Large	35
		S3G1	Small	30
			Medium	70
			Large	95
		S3G2	Small	30
			Medium	70
			Large	95
		S4	Small	20
			Medium	40
			Large	65
Abd-Small Bowel Enterography	6.55	S2	Small	25
	6.56		Medium	45
	6.57		Large	85
CTA Abd - Mesenteric Ischemia	6.61	S2G1	Small	30
	6.62		Medium	45
	6.63		Large	85
		S2G2	Small	20
			Medium	40
			Large	65
Urothelial Tumor Follow-Up	6.70	S2	Small	20
	6.71		Medium	40
	6.72		Large	65
		S3	Small	25
			Medium	45
			Large	85
		S4	Small	25
			Medium	45
			Large	85
Abd- Venogram Stent Eval (Dual Energy)	6.73	S2	All Sizes	65
Abd/Pelvis - Venogram (Pre-IVC Filter Removal)	6.73	S2	Small	20
	6.74		Medium	40
	6.75		Large	65
CTA Abd/Pelvis - Active Bleeder	6.79	S2	Small	20
	6.80		Medium	40
	6.81		Large	65
		S3G1	Small	30
			Medium	45
			Large	85
		S3G2	Small	20
			Medium	40
			Large	65
Abd-Liver - Hepatocellular Carcinoma (HCC)	6.82	S2G1	Small	15
	6.83		Medium	25
	6.84		Large	50
		S2G2	Small	20
			Medium	40
			Large	65
		S3	Small	15
			Medium	25
			Large	50
CTA Abd-Liver - Transplant Recipient Workup	6.85	S2	Small	15
	6.86		Medium	15
	6.87		Large	15
		S3G1	Small	30

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
			Medium	45
			Large	95
		S3G2	Small	10
			Medium	20
			Large	35
		S3G3	Small	10
			Medium	20
			Large	35
		S4	Small	15
			Medium	25
			Large	50
Abdominal Wall Flap CTA	6.88	S2	Small	60
	6.89		Medium	80
	6.90.		Large	125
Cystogram	8.10	S2	Small	20
	8.11		Medium	40
	8.12		Large	65
		S3	Small	20
			Medium	40
			Large	65
Body Pelvis	8.16	S2	Small	20
	8.17		Medium	40
	8.18		Large	65
Abd/Pelvis-R/O Hernia (Use Routine Abd/Pelvis Protocol)		S2	Small	20
			Medium	40
			Large	65
ADULT NEURO PROTOCOLS				
Brain-Routine (Helical Mode)	1.1	S2	Adult	85
		S3	Adult	70
Brain-Helical Scan with Angled Axial Reformations	1.2	S2	Adult	85
		S3	Adult	70
Brain (Axial Mode)	1.3	S2	Adult	85
		S3	Adult	70
Brain Post Thrombolysis Helical (GSI)	1.4	S2 GSI	Adult	85
3D CT (Craniosynostosis, Congenital Facial Anomaly)	1.5	S2	Adult	85
Stroke Deluxe – Total Cerebrovascular	1.6	S2	Adult	85
		S3	Adult	100
		S4	Adult	600
		S5	Adult	70
CTA Head Only (Stenosis, Aneurysm, Unknown Bleed)	1.7	S2	Adult	85
		S3	Adult	70
		S4	Adult	600
		S5	Adult	70
CTA Head Only (Dual Energy)	1.8	S2	Adult	85
		S3	Adult	70
		S4	Adult	600
		S5	Adult	70
CT Venography Head & Neck	1.9	S2	Adult	85
		S3	Adult	100
		S4	Adult	70
Stereotactic Head: (Whole Brain Treatment Planning)	1.1	S2	Adult	85
KLS Bone Flap	1.15	S2	Adult	85
Orbit - Routine	2.1	S2	Adult	85
		S3	Adult	70
Facial Trauma - Routine	2.5	S2	Adult	85
		S3	Adult	70

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
Pituitary Gland and Cavernous Sinus	2.6	S2	Adult	85
		S3	Adult	70
		S4	Adult	70
Sinuses - Diagnostic	2.7	S2	Adult	40
		S3	Adult	40
Temporal Bone	2.11	S2	Adult	85
Dentascan	2.13	S2	Adult	40
Stereotactic Sinus (Stryker/Lorenz)	2.15	S2	Adult	40
Adult Neck – Routine (with GSI)	3.1	S2	Small	35
	3.2		Medium	75
	3.3		Large	120
		S3- Optional GSI Limited	Small	30
			Medium	75
			Large	100
		S4G1	Small	30
			Medium	60
			Large	110
		S4G2	Small	
			Medium	
			Large	
		S4G1 REV Only	Small	35
		S4G1 REV Only	Medium	75
		S4G1 REV Only	Large	120
Neck (Parathyroid Adenoma) Adult	3.5	S2	Small	100
			Medium	100
			Large	100
		S3	Small	35
			Medium	75
			Large	120
		S4	Small	35
			Medium	75
			Large	120
		S5G1	Small	30
			Medium	60
			Large	110
		S5G2	Small	30
			Medium	60
			Large	110
		S5G1 REV Only	Small	35
		S5G1 REV Only	Medium	75
		S5G1 REV Only	Large	120
Neck (Add-on Options)	3.8	S2	Adult	600
Neck (Salivary Gland)	3.9	S2	Small	35
			Medium	60
			Large	120
		S3	Small	35
			Medium	60
			Large	120
		S4G1	Small	30
			Medium	60
			Large	110
		S4G2	Small	30
			Medium	60
			Large	110
		S4G1 REV Only	Small	35
		S4G1 REV Only	Medium	75
		S4G1 REV Only	Large	120
CTA Neck Only (Cerebrovascular Disease)	3.11	S2	Adult	100
Neck (Hypervascular Papillary Thyroid)	3.13	S2	Small	35
			Medium	75

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
			Large	120
		S3	Small	35
			Medium	75
			Large	120
		S4G1	Small	30
			Medium	60
			Large	110
		S4G2	Small	30
			Medium	60
			Large	110
		S4G1 REV Only	Small	35
		S4G1 REV Only	Medium	75
		S4G1 REV Only	Large	120
Adult Cervical Spine (without Metal)	3.16	S2	Small	50
			Medium	95
			Large	135
		S3	Small	50
			Medium	95
			Large	135
Adult Cervical Spine (With Metal)	3.19	S2	Small	80
			Medium	135
			Large	135
		S3	Small	80
			Medium	135
			Large	135
Adult Lumbar Spine (Without Metal)	7.1	S2	Small	30
			Medium	75
			Large	135
		S3	Small	30
			Medium	75
			Large	135
Adult Thoracic Spine (Without Metal)	7.4	S2	Small	30
			Medium	75
			Large	135
		S3	Small	30
			Medium	75
			Large	135
Stealth (Stereotactic) Spine	7.8	S2	Adult	70
Adult Lumbar Spine (With Metal)	7.1	S2	Small	60
	7.11		Medium	110
	7.12		Large	135
		S3	Small	60
			Medium	110
			Large	135
Adult Thoracic Spine (With Metal)	7.13	S2	Small	60
			Medium	110
			Large	135
		S3	Small	60
			Medium	110
			Large	135
PEDIATRIC NEURO PROTOCOLS				
Peds Brain – Routine and NAT/Trauma (Helical Mode)	11.1	S2	Infant	35
	11.2		Child	50
	11.3		Adolescent	85
		S3	Infant	30
			Child	45
			Adolescent	70
Peds Brain - Helical Scan with Angled Axial Reformations	11.4	S2	Infant	35

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
	11.5		Child	50
	11.6		Adolescent	85
		S3	Infant	30
			Child	45
			Adolescent	70
Peds Brain Routine (Axial Mode)	11.7	S2	Infant	30
	11.8		Child	50
	11.9		Adolescent	85
		S3	Infant	30
			Child	45
			Adolescent	70
Peds Brain Post Thrombolysis Helical (Dual Energy)	11.10	S2	Infant	45
	11.11		Child	50
	11.12		Adolescent	85
Peds 3D CT (Craniosynostosis, Congenital Facial Anomaly)	11.13	S2	Infant	35
	11.14		Child	50
	11.15		Adolescent	85
Peds Stroke Deluxe – Total Cerebrovascular	11.16	S2	Infant	35
	11.17		Child	50
	11.18		Adolescent	85
		S3	Infant	40
			Child	55
			Adolescent	100
		S4	Child/Infant	300
			Adolescent	600
		S5	Infant	30
			Child	45
			Adolescent	70
Peds CTA Head Only: (Stenosis, Aneurysm, Unknown Bleed)	11.19	S2	Infant	35
	11.20		Child	50
	11.21		Adolescent	85
		S3	Infant	30
			Child	45
			Adolescent	70
		S4	Child/Infant	300
			Adolescent	600
		S5	Infant	30
			Child	45
			Adolescent	70
Peds CTA Neck Only	11.22	S2	Infant	40
	11.23		Child	50
	11.24		Adolescent	100
Peds CT Venography Head & Neck	11.25	S2	Infant	35
	11.26		Child	50
	11.27		Adolescent	85
		S3	Infant	40
			Child	55
			Adolescent	100
		S4	Infant	30
			Child	45
			Adolescent	70
Peds Stereotactic Head	11.28	S2	Infant	35
	11.29		Child	50
	11.30		Adolescent	85
Peds Low - Dose Hydrocephalus	11.31	S2	Infant	20
	11.32		Child	30

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
Peds Orbit - Routine	12.1	S2	Infant	35
	12.2		Child	50
	12.3		Adolescent	85
		S3	Infant	30
			Child	45
			Adolescent	70
Peds Temporal Bone	12.4	S2	Infant	35
	12.5		Child	50
	12.6		Adolescent	85
Peds Facial Trauma - Routine	12.7	S2	Infant	35
	12.8		Child	50
	12.9		Adolescent	85
		S3	Infant	30
			Child	45
			Adolescent	70
Peds Sinuses - Diagnostic	12.1	S2	Infant	20
	12.11		Child	30
	12.12		Adolescent	40
		S3	Infant	20
			Child	20
			Adolescent	40
Peds DentaScan	12.13	S2	Infant	20
	12.14		Child	30
	12.15		Adolescent	40
Peds Stereotactic Sinus	12.16	S2	Infant	20
	12.17		Child	30
	12.18		Adolescent	40
Peds Neck - Routine	13.1.1	S2	Small	10
	13.4.1		Medium	15
	13.8.1		Large	30
		S3G1	Small	10
			Medium	15
			Large	30
		S3G2	Small	10
			Medium	15
			Large	30
Peds Cervical Spine	13.1.11	S2	Infant	10
	13.4.11		Child	20
	13.8.11		Adolescent	35
		S3	Infant	10
			Child	20
			Adolescent	35
Peds Lumbar Spine	17.1.1	S2	Pink	10
	17.2.1		Red and purple	15
	17.4.1		Yellow and white	25
	17.6.1		Blue and Orange	40
	17.8.1		Green and black	50
		S3	Pink	10
			Red and purple	15
			Yellow and white	25
			Blue and orange	40
			Green and black	50
Peds Thoracic Spine	17.1.2	S2	Pink	10
	17.2.2		Red and purple	15
	17.4.2		Yellow and white	25
	17.6.2		Blue and orange	40
	17.8.2		Green and black	50
		S3	Pink	10
			Red and purple	15
			Yellow and white	25
			Blue and orange	40
			Green and black	50
ADULT CHEST PROTOCOLS				
Chest - Standard (Routine & High-Resolution)	5.1	S2	Small	10

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
	5.2		Medium	30
	5.3		Large	45
		S3	Small	10
			Medium	30
			Large	45
		S5	Small	15
			Medium	30
			Large	55
Chest - Low Dose Follow-up/Screening	5.1	S2	Small	5
	5.11		Medium	10
	5.12		Large	20
		S3	Small	10
			Medium	30
			Large	45
Chest - CTPA for PE	5.16	S2	Small	15
	5.17		Medium	15
	5.18		Large	30
Active Bleed (Chest Only)	5.28	S2	Small	20
	5.29		Medium	30
	5.30		Large	50
		S3	Small	15
			Medium	35
			Large	60
		S4	Small	20
			Medium	35
			Large	65
Chest- Esophagram	5.51	S2	Small	10
	5.52		Medium	30
	5.53		Large	45
		S3	Small	10
			Medium	30
			Large	45
		S5	Small	10
			Medium	30
			Large	45
Chest- Dynamic 3D Airway	5.70	S2	Small	10
	5.71		Medium	30
	5.72		Large	45
		S3	Small	5
			Medium	10
			Large	20
PEDIATRIC CHEST/BODY PROTOCOLS				
Peds Chest - Standard (Routine & High-Resolution)	15.1.1	S2	Pink	5
	15.2.1		Red and Purple	5
	15.4.1		Yellow and White	5
	15.6.1		Blue and Orange	15
	15.8.1		Green and Black	25
		S3- Hi Res Grp	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15
			Green and Black	25
Peds Chest Inspiration/Expiration 3D Airway	15.1.2	S2	Pink	5
	15.2.2		Red and Purple	5
	15.4.2		Yellow and White	5
	15.6.2		Blue and Orange	15
	15.8.2		Green and Black	25
		S3	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15
			Green and Black	25

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
Peds Chest Pectus	15.1.3	S2	Pink	5
	15.2.3		Red and Purple	5
	15.4.3		Yellow and White	5
	15.6.3		Blue and Orange	10
	15.8.3		Green and Black	20
Peds Chest CTPA for PE	15.1.4	S2	Pink	5
	15.2.4		Red and Purple	5
	15.4.4		Yellow and White	5
	15.6.4		Blue and Orange	15
	15.8.4		Green and Black	25
Peds Routine Chest/Abdomen/Pelvis	15.1.5	S2	Pink	5
	15.2.5		Red and Purple	5
	15.4.5		Yellow and White	5
	15.6.5		Blue and Orange	15
	15.8.5		Green and Black	25
Peds Trauma Chest/Abdomen/Pelvis	15.1.6	S2G1	Pink	5
	15.2.6		Red and Purple	10
	15.4.6		Yellow and White	10
	15.6.6		Blue and Orange	25
	15.8.6		Green and Black	40
		S2G2	Pink	5
			Red and Purple	10
			Yellow and White	10
			Blue and Orange	25
			Green and Black	40
		S3	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15
			Green and Black	25
Peds CINE Airway	15.1.7	S2	All Sizes	15
Peds Foreign Body	15.1.14	S2	Pink	10
	15.2.14		Red/Purple	10
	15.4.14		Yellow/White	10
	15.6.14		Blue/Orange	10
	15.8.14		Green/Black	10
Peds Neck/Chest (Lymphoma/Leukemia)	15.1.15	S2	Pink	30
	15.2.15		Red/Purple	30
	15.4.15		Yellow/White	30
	15.6.15		Blue/Orange	35
	15.8.15		Green/Black	35
Peds Neck CAP (Lymphoma/Leukemia)	15.1.16	S2	Pink	30
	15.2.16		Red/Purple	30
	15.4.16		Yellow/White	30
	15.6.16		Blue/Orange	35
	15.8.16		Green/Black	35
Peds PEEP	15.9.12	S2	All Sizes	15
Peds Routine Abdomen/Pelvis	16.1.1	S2	Pink	5
	16.2.1		Red and Purple	5
	16.4.1		Yellow and White	5
	16.6.1		Blue and Orange	15
	16.8.1		Green and Black	25
Peds Renal Stone / Flank Pain	16.1.2	S2	Pink	5
	16.2.2		Red and Purple	5
	16.4.2		Yellow and White	5
	16.6.2		Blue and Orange	15
	16.8.2		Green and Black	25
Peds CTA Abd - Triphasic Liver	16.1.3	S2G1	Pink	5
	16.2.3		Red and Purple	10
	16.4.3		Yellow and White	10
	16.6.3		Blue and Orange	25
	16.8.3		Green and Black	40
		S2G2	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
			Green and Black	25
		S2G3	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15
			Green and Black	25
Peds Trauma Abdomen/Pelvis	16.1.4	S2	Pink	5
	16.2.4		Red and Purple	10
	16.4.4		Yellow and White	10
	16.6.4		Blue and Orange	25
	16.8.4		Green and Black	40
		S3	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15
			Green and Black	25
Peds Abd – Small Bowel Enterography	16.1.5	S2	Pink	5
	16.2.5		Red and Purple	5
	16.4.5		Yellow and White	10
	16.6.5		Blue and Orange	25
	16.8.5		Green and Black	40
PEDS HIQ PROTOCOLS				
Peds Chest - Standard (Routine & High-Resolution) High Image Quality	15.1.8	S2	Pink	5
	15.2.8		Red and Purple	5
	15.4.8	S4	Yellow and White	10
	15.6.8		Blue and Orange	25
	15.8.8		Green and Black	40
		S4	Pink	5
			Red and Purple	5
			Yellow and White	5
			Blue and Orange	15
			Green and Black	25
Peds Chest Pectus - High Image Quality	15.1.10	S2	Pink	5
	15.2.10		Red and Purple	5
	15.4.10		Yellow and White	10
	15.6.10		Blue and Orange	10
	15.8.10		Green and Black	20
Peds Chest CTPA for PE - High Image Quality	15.1.11	S2	Pink	5
	15.2.11		Red and Purple	5
	15.4.11		Yellow and White	10
	15.6.11		Blue and Orange	25
	15.8.11		Green and Black	40
Peds Routine Chest/Abdomen/ Pelvis - High Image Quality	15.1.12	S2	Pink	5
	15.2.12		Red and Purple	5
	15.4.12		Yellow and White	10
	15.6.12		Blue and Orange	25
	15.8.12		Green and Black	40
Peds Trauma Chest/Abdomen/Pelvis High Image Quality	15.1.13	S2G1	Pink	5
	15.2.13		Red and Purple	10
	15.4.13		Yellow and White	15
	15.6.13		Blue and Orange	30
	15.8.13		Green and Black	55
		S2G2	Pink	5
			Red and Purple	10
			Yellow and White	15
			Blue and Orange	30
			Green and Black	55
		S3	Pink	5

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
			Red and Purple	5
			Yellow and White	10
			Blue and Orange	25
			Green and Black	40
Peds Routine Abdomen/Pelvis - High Image Quality	16.1.6	S2	Pink	5
	16.2.6		Red and Purple	5
	16.4.6		Yellow and White	10
	16.6.6		Blue and Orange	25
	16.8.6		Green and Black	40
Peds Renal Stone / Flank Pain - High Image Quality	16.1.7	S2	Pink	5
	16.2.7		Red and Purple	5
	16.4.7		Yellow and White	10
	16.6.7		Blue and Orange	25
	16.8.7		Green and Black	40
Peds CTA Abd Triphasic Liver - High Image Quality	16.1.8	S2G1	Pink	5
	16.2.8		Red and Purple	10
	16.4.8		Yellow and White	15
	16.6.8		Blue and Orange	30
	16.8.8		Green and Black	55
		S2G2	Pink	5
			Red and Purple	5
			Yellow and White	10
			Blue and Orange	25
			Green and Black	40
		S2G3	Pink	5
			Red and Purple	5
			Yellow and White	10
			Blue and Orange	25
			Green and Black	40
Peds Trauma Abdomen/Pelvis - High Image Quality	16.1.9	S2	Pink	5
	16.2.9		Red and Purple	10
	16.4.9		Yellow and White	15
	16.6.9		Blue and Orange	30
	16.8.9		Green and Black	55
		S3	Pink	5
			Red and Purple	5
			Yellow and White	10
			Blue and Orange	25
			Green and Black	40
PEDS MSK PROTOCOLS				
Peds Bony Pelvis (without Metal)	18.1.1	S2	Pink	5
	18.2.1		Red and Purple	10
	18.4.1		Yellow and White	10
	18.6.1		Blue and Orange	25
	18.8.1		Green and Black	40
Peds Bony Pelvis (with Metal)	18.1.2	S2	Pink	65
	18.2.2		Red and Purple	65
	18.4.2		Yellow and White	65
	18.6.2		Blue and Orange	65
	18.8.2		Green and Black	65
Peds Bony Pelvis Spica Casting	18.1.3	S2	Pink	5
	18.2.3		Red and Purple	5
	18.4.3		Yellow and White	5
	18.6.3		Blue and Orange	10
	18.8.3		Green and Black	20
CV				
Upper Extremity CTA	4.10	S2	Small	15
	4.11		Medium	25
	4.12		Large	35
		S3G1	Small	15

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
			Medium	30
			Large	40
		S3G2	Small	15
			Medium	30
			Large	40
Harmony	5.19	S2	All Sizes	140
Non-gated Aortogram	5.28	S2	Small	20
	5.29		Medium	30
	5.30		Large	50
		S3	Small	15
			Medium	35
			Large	60
		S4	Small	30
			Medium	45
			Large	95
Gated Chest	5.31	S2	Small	20
	5.32		Medium	30
	5.33		Large	50
		S3	Small	100
			Medium	100
			Large	100
		S4	Small	15
			Medium	30
			Large	50
Gated Chest Non-Gated Abd/Pel	5.34	S2	Small	20
	5.35		Medium	30
	5.36		Large	50
		S3G1	Small	75
			Medium	75
			Large	75
		S3G2	Small	25
			Medium	35
			Large	60
		S4	Small	30
			Medium	45
			Large	95
Coronary	5.37	S2	Small	75
	5.38		Medium	75
	5.39		Large	75
		S3	Small	75
			Medium	75
			Large	140
TAVR CTA	5.43	S2	Small	75
	5.44		Medium	75
	5.45		Large	75
		S3G1	Small	75
			Medium	75
			Large	140
		S3G2	Small	25
			Medium	35
			Large	60
TAVR W/O	5.47	S2	Small	75
	5.48		Medium	75
	5.49		Large	75
		S3G1	Small	75
			Medium	75
			Large	140
		S3G2	Small	25
			Medium	35
			Large	60

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
Venogram (Central Veins)	5.55	S2	Small	15
	5.56		Medium	35
	5.57		Large	60
Cardiac CT with Peripheral Vasculature	5.59	S2G1	All Sizes	140
		S2G2	All Sizes	60
Valve or Cardiac Function	5.61	S2	Small	75
	5.62		Medium	75
	5.63		Large	140
Watchman/Pre-Ablation/Cardiac Thrombus	5.73	S2G1	Small	75
	5.74		Medium	75
	5.75		Large	140
		S2G2	Small	75
			Medium	75
			Large	140
Post CABG	5.77	S2	All Sizes	75
		S3	All Sizes	140
Generic CHD	5.79	S2	All Sizes	75
	5.80	S3G1	All Sizes	140
	5.81	S3G2	All Sizes	140
Thoracic Outlet	5.83	S2	Small	15
	5.84		Medium	30
	5.85		Large	40
		S4	Small	15
			Medium	30
			Large	40
		S5	Small	15
			Medium	30
			Large	40
Tricuspid Intervention	5.88	S2G1	All Sizes	140
		S2G2	All Sizes	60
Aortic Valve Calcium Score	5.90	S2	Small	75
	5.91		Medium	75
	5.92		Large	75
Abd/Pel Noncon/Post Endo-Stent Volume Change	6.43	S2	Small	20
	6.44		Medium	30
	6.45		Large	50
Lower Extremity CTA	9.13	S2	Small	15
	9.14		Medium	25
	9.15		Large	35
		S3G1	Small	15
			Medium	30
			Large	40
		S3G2	Small	15
			Medium	30
			Large	40
ECMO	10.4	S2	Small	20
			Medium	40
			Large	65
		S3	Small	30
			Medium	45
			Large	85
		S4	Small	30
			Medium	45
			Large	95
		S5	Small	30
			Medium	45
			Large	95

Protocol Name	Protocol Number	Acquisition	Patient Size	Notification Value (mGy)
PEDS CV PROTOCOLS				
Peds Gated Chest	15.9.1	S2	All Sizes	75
		S3	All Sizes	75
Peds Coronary	15.9.2	S2	All Sizes	75
		S3	All Sizes	75
Peds Gated Chest Non-gated Abd/Pel	15.9.3	S2	All Sizes	10
		S3G1	All Sizes	75
		S3G2	All Sizes	10
Peds Non-gated Aortogram	15.9.4	S2	All Sizes	10
		S3	All Sizes	75
Peds Full Chest Generic CHD	15.9.5	S2	All Sizes	10
		S3G1	All Sizes	75
		S3G2	All Sizes	75
Peds Extra Cardiac Anatomy	15.9.6	S2	All Sizes	10
		S3	All Sizes	75
		S4	All Sizes	75
		S5	All Sizes	75
Peds Harmony	15.9.7	S2	All Sizes	75
Peds Cardiac CT with Peripheral Vasculature	15.9.8	S2G1	All Sizes	75
		S2G2	All Sizes	75
Peds Glenn/Fontan Thrombus	15.9.9	S2	All Sizes	10
		S3G1	All Sizes	75
		S3G2	All Sizes	75
		S4G1	All Sizes	75
		S4G2	All Sizes	75
Peds Valve or Cardiac Function	15.9.10	S2	All Sizes	75
Peds Generic CHD Chest/Abd/Pel	15.9.11	S2G1	All Sizes	75
		S2G2	All Sizes	10
		S3G1	All Sizes	75
		S3G2	All Sizes	10
		S4	All Sizes	75
ADULT MSK PROTOCOLS				
Shoulder/Humerus (With or Without Metal)	4.1	S2	Small	50
	4.2		Medium	70
	4.3		Large	100
		S3	Small	50
			Medium	70
			Large	100
Zimmer/Biomet Shoulder	4.5	S2	All Sizes	40
Elbow/Forearm (Without Metal)	4.6	S2	All Sizes	50
Elbow/Forearm (With Metal)	4.7	S2	All Sizes	110
Wrist (Without Metal)	4.8	S2	All Sizes	50
Wrist (With Metal)	4.9	S2	All Sizes	110
Chest Wall/Clavicle/AC Joints/SC Joints/Sternum/Ribs	4.13	S2	Small	50
	4.14		Medium	70
	4.15		Large	100
Bony Pelvis/Hips/SI/Femur/FAI (Without Metal)	8.1	S2	Small	30
	8.2		Medium	60
	8.3		Large	100
Bony Pelvis/Hips/SI/Femur/FAI (With Metal)	8.4	S2	Small	70
	8.5		Medium	120

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