

SOMATOM Definition AS - Scan protocols and kernel overview *syngo* CT VB20

The dose values stated in the scan protocol list are estimations and provide orientation and overview. For individual scan protocols, the valid dose values are displayed at the CT scanner.

The descriptions below refer to the corresponding column headings of the scan protocol tables on the following pages.

Qual. ref. tube current [Qual. ref. mAs]

'Qual. ref. mAs/rot.' for cardio scans

'Quality ref. mAs' indicates the preset reference values for operation with activated CARE Dose4D.

Tube current A [mAs]

'mAs' for sequential scans, 'eff. mAs' for spiral scans, 'mAs/rot.' for cardio scans

'mAs' indicates the preset reference values for operation with deactivated CARE Dose4D.

CTDIvol [mGy]

'mGy/s' for i-Fluoro scans

Measured in a 16 cm phantom for head modes and in a 32 cm phantom for body scans.

CTDIvol [mGy]; DLP [mGy cm]

The indicated dose values 'CTDIvol' and 'DLP' refer to the indicated settings (tube current A) for operation with deactivated CARE Dose4D, regardless if CARE Dose 4D is activated by default or not.

syngo CT VB10 introduced a new kernel naming concept. The kernel overview at the end of the document contains two comparison tables. In the first table, VB10 kernel names are listed in alphabetical order in the first column with their equivalent previous kernel names listed in the second column. In the second table, previous kernel names are listed in alphabetical order in the first column with their equivalent VB10 kernel names listed in the second column.

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
Head_XCARE_IR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Head_IR	Head		on	on	120		120None/None	273	273		44,27	588,77	16	standard			13,43	1	64	32	0,6	5	0,55		120	5	Hr38
Head_IR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Head_XCARE	Head		on	on	120		120None/None	273	273		44,27	588,77	16	standard			13,43	1	64	32	0,6	5	0,55		120	5	Hr38
Head_XCARE	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Head_XCARE	Head		on	on	120		120None/None	390	390		63,25	841,1	16	standard			13,43	1	64	32	0,6	5	0,55		120	5	Hf38
HeadRoutine	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
HeadRoutine	Head		on	on	120		120None/None	350	350		56,76	754,83	16	standard			13,43	1	64	32	0,6	5	0,55		120	5	Hf38
HeadNeuro_XCARE	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
HeadNeuro_XCARE	Head		on	on	120		120None/None	390	390		67,89	896,3	16	standard			20,18	1	40	20	0,6	5	0,55		120	5	Hf38
HeadNeuro	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
HeadNeuro	Head		on	on	120		120None/None	390	390		67,89	896,3	16	standard			20,18	1	40	20	0,6	5	0,55		120	5	Hf38
HeadRoutineSeq	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
HeadRoutineSeq	HeadSeq		on	on	120		120None/None	390	390		71,44	850,08	16	standard		1	64	32	0,6	5			17	114,28	5	Hf38	
HeadNeuroSeq	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
HeadNeuroSeq	HeadSeq		on	on	120		120None/None	390	390		65,14	820,77	16	standard		1	12	12	1,2	4,8			14	121,6		Hf38	
InnerEarZUHR_IR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr60
InnerEarZUHR_IR	InnerEarUHR		on	semi	120		120None/None	161	161		35,27	165,06	16	narrow			12	1	32	16	0,3	2	0,85		40	2	Ur70
																					0,4				0,2		Ur70
																					0,4				0,2		Ur70
InnerEarZUHR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr60
InnerEarZUHR	InnerEarUHR		on	semi	120		120None/None	230	230		50,38	264,37	16	narrow			12	1	32	16	0,3	2	0,85		40	2	Ur70
																					0,4				0,2		Ur70
																					0,4				0,2		Ur70
InnerEarUHR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr60
InnerEarUHR	InnerEarUHR		on	semi	120		120None/None	180	180		39,43	207,07	16	narrow			12	1	16	8	0,6	2	0,85		40	2	Ur70
																					0,6				0,4		Ur70
																					0,6				0,4		Ur70
InnerEar	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr60
InnerEar	InnerEar		on	on	120		120None/None	180	180		29,19	168,11	16	standard			4,61	1	64	32	0,6	2	0,8		40	2	Hr60
																					0,6				0,4		Hr60
																					0,6				0,4		Hr60
InnerEarUHRSeq	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr60
InnerEarUHRSeq	InnEarUHRSeq		on	semi	120		120None/None	180	180		42,06	170,34	16	narrow		1	16	8	0,6	0,6			4,5	39,72	0,6	Ur70	
Sinus	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Sinus	Sinus		on	on	120		120None/None	50	50		8,11	79,13	16	standard			7,23	1	64	32	0,6	5	0,8		80	5	Hr60
																					5				80	5	Hr38
																					1				80	0,7	Hr60
																					1				80	0,7	Hr38
Sinus_Vol	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Sinus_Vol	Sinus		on	on	120		120None/None	50	50		8,11	79,13	16	standard			7,23	1	64	32	0,6	5	0,8		80	5	Hr60
																					3				3		Hr38
																					3				3		Hr60
Orbit	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Orbit	Orbit		on	semi	120		120None/None	125	125		20,27	137,02	16	standard			5,27	1	64	32	0,6	5	0,8		50	5	Hr60
																					5				50	5	Hr38
																					0,6				50	0,4	Hr60
Dental	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
Dental	Dental		on	semi	120		120None/None	90	90		14,6	98,65	16	standard			5,27	1	64	32	0,6	0,75	0,8		50	0,5	Hr60
Neck_IR	Topogram				140		140None/None	20			0,06	1,48	32	standard			2,73		6	6	0,6				256		Tr20
Neck_IR	Neck		on	on	120		120None/None	116	116		8,82	174,22	32	standard			13,76	1	64	32	0,6	5	0,8		180	5	Bf37
NeckRoutine	Topogram				140		140None/None	20			0,06	1,48	32	standard			2,73		6	6	0,6	1			180	0,7	Bv40
NeckRoutine	Neck		on	on	120		120None/None	165	165		12,54	247,81	32	standard			13,76	1	64	32	0,6	5	0,8		180	5	Bf37
NeckThorax	Topogram				100		100None/None	20			0,02	1,16	32	standard			5,29		6	6	0,6				512		Tr20
NeckThorax	Neck		on	on	120		120None/None	165	165		12,54	197,64	32	standard			11,15	1	64	32	0,6	5	0,8		140	5	Bf37
		Pause																			1				140	0,7	Br34
	Thorax		on	on	120		120None/None	110	110		8,36	265,54	32	standard			10,8	0,5	64	32	0,6	5	0,8		300	5	Bf37
																					5				300	5	Br59
																					1				300	0,7	Bi67
NeckThorAbd	Topogram				100		100None/None	20			0,02	2,33	32	standard			10,41		6	6	0,6				1024		Tr20
NeckThorAbd	Neck		on	on	120		120None/None	165	165		12,54	197,64	32	standard			11,15	1	64	32	0,6	5	0,8		140	5	Bf37
		Pause																			1				140	0,7	Br34
	ThorAbd		on	on	120		120None/None	210	210		15,96	985,82	32	standard			20,61	0,5	64	32	0,6	5	0,8		600	5	Bf37
																					5				5		Bi67
																					5				5		Br38
																					1				5		Br38

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
ShoulderRoutine	Topogram				100		100None/None	20			0.02	0.58	32	standard		2.73		6	6	0.6				256		Tr20	
	Shoulder		on	on	120		120None/None	165	165		12.54	210.19	32	standard		11.8	1	64	32	0.6	5	0.8		150	5	Br60	
																					0.6			150	0.4	Br37	
																					0.6			150	0.4	Br60	
Thorax_XCARE_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	Thorax		on	on	120		120None/None	66	66		5.02	157.48	32	standard		8.43	0.3	64	32	0.6	5	0.6		300	5	Br37	
																					5			300	5	Br99	
																					1			300	0.7	Br37	
																					1			300	0.7	Br99	
Thorax_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	Thorax		on	on	120		120None/None	66	66		5.02	162.73	32	standard		7.52	0.5	64	32	0.6	5	1.2		300	5	Br37	
																					5			300	5	Br99	
																					1			300	0.7	Br37	
																					1			300	0.7	Br99	
Thorax_XCARE	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	Thorax		on	on	120		120None/None	110	110		8.36	262.47	32	standard		8.43	0.3	64	32	0.6	5	0.6		300	5	Br37	
																					5			300	5	Br57	
																					1			300	0.7	Br37	
																					1			300	0.7	Br99	
ThoraxRoutine	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	Thorax		on	on	120		120None/None	110	110		8.36	271.21	32	standard		7.52	0.5	64	32	0.6	5	1.2		300	5	Br37	
																					5			300	5	Br57	
																					1			300	0.7	Br37	
																					1			300	0.7	Br99	
ThoraxHR_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	ThorHR		on	on	120		120None/None	66	66		5.02	162.73	32	standard		7.52	0.5	64	32	0.6	5	1.2		300	5	Br37	
																					5			300	5	Br57	
																					0.6			300	0.4	Br99	
																					0.6			300	0.4	Br37	
ThoraxHR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	ThorHR		on	on	120		120None/None	110	110		8.36	271.21	32	standard		7.52	0.5	64	32	0.6	5	1.2		300	5	Br57	
																					5			300	5	Br57	
																					0.6			300	0.4	Br99	
																					0.6			300	0.4	Br37	
ThoraxSeqHR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	ThorHRSeq		on	on	120		120None/None	110	110		1.45	43.64	32	standard		0.5	0.5	2	2	1	1		10	291		Br57	
ThoraxECGSeqHR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	ThorECGHR		on	on	120		120None/None	110	110		0.85	25.56	32	narrow		0.22	0.3	2	2	1	1		10	291		Br57	
	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
LungLowDose	LungLowDose		on	on	120		120None/None	20	20		1.52	49.31	32	standard		7.52	0.5	64	32	0.6	5	1.2		300	5	Br37	
																					5			300	5	Br57	
																					1			300	0.7	Br37	
																					1			300	0.7	Br99	
LungCARE	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	LungCARE		on	semi	120		120None/None	20	20		1.52	49.31	32	standard		7.52	0.5	64	32	0.6	5	1.2		300	5	Br37	
																					5			300	5	Br57	
																					1			300	0.7	Br37	
																					1			300	0.7	Br99	
ThorAbd_XCARE	Topogram				100		100None/None	20			0.02	1.75	32	standard		7.85		6	6	0.6				768		Tr20	
	ThorAbd		on	on	120		120None/None	210	210		15.96	979.95	32	standard		27.09	0.5	64	32	0.6	5	0.6		600	5	Br37	
																					5			5		Br57	
																					5			5		Br57	
																					1			5		Br38	
																					1			5		Br38	
ThorAbd	Topogram				100		100None/None	20			0.02	1.75	32	standard		7.85		6	6	0.6				768		Tr20	
	ThorAbd		on	on	120		120None/None	210	210		15.96	985.82	32	standard		20.61	0.5	64	32	0.6	5	0.8		600	5	Br37	
																					5			5		Br57	
																					5			5		Br57	
																					1			5		Br38	
ThoraxIntervention	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	i-Spiral		on	on	120		120None/None	110	110		8.01	259.65	32	standard		7.52	0.5	16	16	1.2	5	1.2		300	3.5	Br37	
	i-Fluoro		off	off	120		120None/None	30	30		6.32	9.1	32	standard		99	0.5	12	12	1.2	4.8		0	9.6	4.8	Br37	
	i-Sequence		off	off	120		120None/None	30	30		2.28	3.29	32	standard		0.5	0.5	12	12	1.2	4.8		0	9.6		Br37	
Abdomen_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	Abdomen		on	on	120		120None/None	147	147		11.17	239.02	32	standard		9.7	0.5	64	32	0.6	5	0.6		200	5	Br38	
																					1			200	0.7	Bv 38	
AbdomenRoutine	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	Abdomen		on	on	120		120None/None	180	180		13.68	292.68	32	standard		9.7	0.5	64	32	0.6	5	0.6		200	5	Br38	

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel		
Adult																												
AbdomenSeq	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20	
	AbdSeq		on	on	120		120None/None	190	190		15.62	292.15	32	standard			0.5	0.5	16	16	1.2	5		17	182.28	5	Br38	
Colonography	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20	
	Colo_supine		on	semi	120		120None/None	55	55		4.18	175.33	32	standard			12.63	0.5	64	32	0.6	1	0.9		400	0.7	Br34	
	Pause PR																											
	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20	
AbdomenIntervention	Colo_prone		on	semi	120		120None/None	30	30		2.28	96.89	32	standard			8.46	0.5	64	32	0.6	1	1.4		400	0.7	Br32	
	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20	
	i-Spiral		on	on	120		120None/None	210	210		15.29	445.39	32	standard			10.8	0.5	16	16	1.2	5	0.8		300	3.8	Br38	
	i-Fluoro		off	off	120		120None/None	50	50		10.53	15.17	32	standard			99	0.5	12	12	1.2	4.8		0	9.6	4.8	Br38	
	i-Sequence		off	off	120		120None/None	50	50		3.8	5.48	32	standard			0.5	0.5	12	12	1.2	4.8		0	9.6		Br38	
Pelvis_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr60	
	Pelvis		on	on	120		120None/None	147	147		10.7	232.75	32	standard			7.54	0.5	16	16	1.2	5	0.8		200	5	Bf37	
PelvisRoutine	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr60	
	Pelvis		on	on	120		120None/None	210	210		15.29	332.5	32	standard			7.54	0.5	16	16	1.2	5	0.8		200	5	Bf37	
Hip	Topogram				100		100None/None	20			0.02	0.58	32	standard			2.73		6	6	0.6				256		Tr60	
	Hip		on	on	120		120None/None	190	190		14.44	169.82	32	standard			8.54	1	64	32	0.6	5	0.8		100	5	Br60	
Hip_IMAR	Topogram				100		100None/None	20			0.02	0.58	32	standard			2.73		6	6	0.6	0.6			100	0.4	Br60	
	Hip		on	on	120		120None/None	190	190		14.44	169.82	32	standard			8.54	1	64	32	0.6	5	0.8		100	5	Bf42	
													32								5				100	5	Bf42	
																					0.6				100	0.4	Bf42	
C_Spine_IR_Vol	Topogram				140		140None/None	20			0.06	1.48	32	standard			2.73		6	6	0.6				256		Tr60	
	C_Spine		on	on	120		120None/None	193	193		14.67	260.52	32	standard			12.46	1	64	32	0.6	2	0.8		160	2	Br38	
																					0.6					0.4		Bv40
																					2				2		Br38	
																					2				2		Br57	
C_Spine_IR	Topogram				140		140None/None	20			0.06	1.48	32	standard			2.73		6	6	0.6				256		Tr60	
	C_Spine		on	on	120		120None/None	193	193		14.67	260.52	32	standard			12.46	1	64	32	0.6	2	0.8		160	2	Br38	
																					0.6				160	0.4	Br38	
																					0.6				160	0.4	Br57	
C_Spine_Vol	Topogram				140		140None/None	20			0.06	1.48	32	standard			2.73		6	6	0.6				256		Tr60	
	C_Spine		on	on	120		120None/None	275	275		20.9	371.21	32	standard			12.46	1	64	32	0.6	2	0.8		160	2	Br38	
																					0.6					0.4		Br34
																					2				2		Br34	
																					2				2		Br60	
C_Spine	Topogram				140		140None/None	20			0.06	1.48	32	standard			2.73		6	6	0.6				256		Tr60	
	C_Spine		on	on	120		120None/None	275	275		20.9	371.21	32	standard			12.46	1	64	32	0.6	2	0.8		160	2	Br38	
																					0.6				160	0.4	Br34	
																					0.6				160	0.4	Br60	
Spine_IR_Vol	Topogram				140		140None/None	20			0.06	2.97	32	standard			5.29		6	6	0.6				512		Tr60	
	Spine		on	on	120		120None/None	231	231		17.86	311.82	32	standard			12.46	1	64	32	0.6	3	0.8		160	3	Br38	
																					0.6					0.4		Bv40
																					2				2		Br38	
																					2				2		Br57	
Spine_IR	Topogram				140		140None/None	20			0.06	2.97	32	standard			5.29		6	6	0.6				512		Tr60	
	Spine		on	on	120		120None/None	231	231		17.86	311.82	32	standard			12.46	1	64	32	0.6	3	0.8		160	3	Br38	
																					0.6				160	0.4	Br38	
																					0.6				160	0.4	Br57	
Spine_Vol	Topogram				140		140None/None	20			0.06	2.97	32	standard			5.29		6	6	0.6				512		Tr60	
	Spine		on	on	120		120None/None	330	330		25.08	445.46	32	standard			12.46	1	64	32	0.6	3	0.8		160	3	Br38	
																					0.6				160	0.4	Br34	
																					2				2		Br34	
																					2				2		Br60	
SpineRoutine	Topogram				140		140None/None	20			0.06	2.97	32	standard			5.29		6	6	0.6				512		Tr60	
	Spine		on	on	120		120None/None	330	330		25.08	445.46	32	standard			12.46	1	64	32	0.6	3	0.8		160	3	Br38	
																					0.6				160	0.4	Br34	
																					0.6				160	0.4	Br60	
SpineNeuro_Vol	Topogram				140		140None/None	20			0.06	2.97	32	standard			5.29		6	6	0.6				512		Tr60	
	Spine		on	on	120		120None/None	330	330		26.42	455.73	32	standard			35.33	1	20	10	0.6	3	0.8		160	3	Br38	
																					0.6					0.4		Br34
																					2				2		Br34	
																					2				2		Br60	
SpineNeuro	Topogram				140		140None/None	20			0.06	2.97	32	standard			5.29		6	6	0.6				512		Tr60	
	Spine		on	on	120		120None/None	330	330		26.42	455.73	32	standard			35.33	1	20	10	0.							

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
Osteo	Topogram				140		140None/None	20			0,06	2,97	32	standard			5,29		6	6	0,6				512		Tr60
	Osteo		on	off	80		80None/None	250	250		4,17	4,17	32	standard			1	1	1	1	10	10		0	0		Or44
		Pause	on	off	80		80None/None	250	250		4,17	4,17	32	standard			1	1	1	1	10	10		0	0		Or44
		Pause	on	off	80		80None/None	250	250		4,17	4,17	32	standard			1	1	1	1	10	10		0	0		Or44
SpineIntervention	Topogram				140		140None/None	20			0,06	2,97	32	standard			5,29		6	6	0,6				512		Tr20
	i-Spiral		on	on	120		120None/None	275	275		20,02	355,34	32	standard			6,23	0,5	16	16	1,2	5	0,8		160	3,5	Br38
	i-Fluoro		off	off	120		120None/None	60	60		12,64	16,2	32	standard			99	0,5	12	12	1,2	4,8		0	9,6	4,8	Br38
	i-Sequence		off	off	120		120None/None	60	60		4,56	6,57	32	standard			0,5	0,5	12	12	1,2	4,8		0	9,6	4,8	Br38
WristZUHR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	WristUHR		on	off	120		120None/None	180	180		16,59	120,2	32	narrow			17	1	32	16	0,3	2	0,85		60	2	Ur77
ExtrZUHR_IR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				60	0,2	Ur77
	ExtrUHR		on	off	120		120None/None	126	126		11,61	84,14	32	narrow			17	1	32	16	0,3	2	0,85		60	2	Ur77
ExtrRoutineZUHR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	ExtrUHR		on	off	120		120None/None	180	180		16,59	120,2	32	narrow			17	1	32	16	0,3	2	0,85		60	2	Ur77
ExtrUHR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	ExtrUHR		on	off	120		120None/None	120	120		11,06	80,18	32	narrow			17	1	16	8	0,6	2	0,85		60	2	Ur77
Extremity	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	Extremity		on	off	120		120None/None	100	100		7,6	127,39	32	standard			11,8	1	64	32	0,6	4	0,8		150	4	Br60
KneeUHR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	KneeUHR		on	off	120		120None/None	140	140		12,9	209,65	32	narrow			39,5	1	16	8	0,6	3	0,85		150	3	Ur77
FootUHR	Topogram				140		140None/None	20			0,06	1,48	32	standard			2,73		6	6	0,6				256		Tr20
	FootUHR		on	off	120		120None/None	120	120		11,06	179,7	32	narrow			39,5	1	16	8	0,6	3	0,85		150	3	Ur77
ExtrZUHR_IR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	ExtrUHR		on	off	120		120None/None	126	126		11,61	84,14	32	narrow			17	1	32	16	0,3	2	0,85		60	2	Ur77
ExtrRoutineZUHR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	ExtrUHR		on	off	120		120None/None	180	180		16,59	120,2	32	narrow			17	1	32	16	0,3	2	0,85		60	2	Ur77
ExtrUHR	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	ExtrUHR		on	off	120		120None/None	120	120		11,06	80,18	32	narrow			17	1	16	8	0,6	2	0,85		60	2	Ur77
Extremity	Topogram				100		100None/None	20			0,02	0,58	32	standard			2,73		6	6	0,6				256		Tr20
	Extremity		on	off	120		120None/None	100	100		7,6	127,39	32	standard			11,8	1	64	32	0,6	4	0,8		150	4	Br60
HeadAngio_XCARE_IR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
	HeadAngio		on	on	100		100None/None	123	123		12,09	161,95	16	standard			3,73	0,3	64	32	0,6	4	0,6		120	4	Hv38
HeadAngio_IR	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
	HeadAngio		on	on	100		100None/None	123	123		12,09	175,23	16	standard			3,24	0,5	64	32	0,6	4	1,4		120	4	Hv38
HeadAngio_XCARE	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
	HeadAngio		on	on	100		100None/None	175	175		17,21	230,41	16	standard			3,73	0,3	64	32	0,6	4	0,6		120	4	Hv38
HeadAngioRoutine	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
	HeadAngio		on	on	100		100None/None	175	175		17,21	249,32	16	standard			3,24	0,5	64	32	0,6	4	1,4		120	4	Hv38
HeadAngio_Vol	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
	HeadAngio		on	on	100		100None/None	175	175		17,21	249,32	16	standard			3,24	0,5	64	32	0,6	4	1,4		120	4	Hv38
NeuroDSACT	Topogram				140		140None/None	20			0,12	3,07	16	standard			2,73		6	6	0,6				256		Tr20
	Non Contrast		on	on	100		100None/None	90	90		8,85	128,22	16	standard			3,24	0,5	64	32	0,6	0,6	1,4		120	4	Hv38
	HeadAngio	Pause	on	on	100		100None/None	175	175		17,21	249,32	16	standard			3,24	0,5	64	32	0,6	4	1,4		120	4	Hv38
CarotidAngio_IR	Topogram				100		100None/None	20			0,02	1,16	32	standard			5,29		6	6	0,6				512		Tr20
	CarotidAngio		on	on	120		120None/None	84	84		6,38	207,45	32	standard			3,96	0,3	64	32	0,6	5	1,4		300	5	Br38
CarotidAngioRoutine	Topogram				100		100None/None	20			0,02	1,16	32	standard			5,29		6	6	0,6				300	0,4	Bv38
	CarotidAngio		on	on	120		120None/None	120	120		9,12	296,35	32	standard			3,96	0,3	64	32	0,6	5	1,4		300	5	Br38
CarotidAngio_Vol	Topogram				100		100None/None	20			0,02	1,16	32	standard			5,29		6	6	0,6				512		Tr20
	CarotidAngio		on	on	120		120None/None	120	120		9,12	296,35	32	standard			3,96	0,3	64	32	0,6	5	1,4		300	5	Br38

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
CarotidDSACT	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	Non Contrast		on	on	120		120None/None	60	60		4.56	148.18	32	standard		3.96	0.3	64	32	0.6	0.6	1.4		300	0.4	Bv38	
		Pause																									
	CarotidAngio		on	on	120		120None/None	120	120		9.12	296.35	32	standard		3.96	0.3	64	32	0.6	5	1.4		300	5	Br38	
																					0.6				300	0.4	Bv38
ThorAngio_XCARE_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	ThorAngio		on	on	80		80None/None	155	155		3.25	134.38	32	standard		11.03	0.3	64	32	0.6	5	0.6		400	5	Br38	
																					5				400	5	Br59
																					0.75				400	0.5	Bv38
ThorAngio_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	ThorAngio		on	on	80		80None/None	155	155		3.25	137.94	32	standard		8.46	0.5	64	32	0.6	5	1.4		400	5	Br38	
																					5				400	5	Br59
																					0.75				400	0.5	Bv38
ThorAngio_XCARE	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	ThorAngio		on	on	80		80None/None	222	222		4.65	192.46	32	standard		11.03	0.3	64	32	0.6	5	0.6		400	5	Br38	
																					5				400	5	Br59
																					0.75				400	0.5	Bv38
ThorAngioRoutine	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	ThorAngio		on	on	80		80None/None	222	222		4.65	197.57	32	standard		8.46	0.5	64	32	0.6	5	1.4		400	5	Br38	
																					5				400	5	Br59
																					0.75				400	0.5	Bv38
ThorAngio_Vol	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	ThorAngio		on	on	80		80None/None	222	222		4.65	197.57	32	standard		8.46	0.5	64	32	0.6	5	1.4		400	5	Br38	
																					5				400	5	Br59
																					3				400	3	Br38
ChestPainECG	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	ChestPain		on	on	120		120None/None	160	160		15.3	406.6	32	narrow		22.66	0.3	64	32	0.6	3	0.18		250	3	Br38	
																					0.6					0.3	Bv38
																					0.6					0.3	Bv38
																					3				250	3	Br38
																					3					3	Br59
																					1					0.5	Br38
ChestECG_Abd	Topogram				100		100None/None	20			0.02	2.33	32	standard		10.41		6	6	0.6					1024		Tr20
	ChestPain		on	on	120		120None/None	160	160		15.3	406.6	32	narrow		22.66	0.3	64	32	0.6	3	0.18		250	3	Br38	
																					0.6					0.3	Bv38
																					0.6					0.3	Bv38
																					3				250	3	Br38
																					3					3	Br59
																					1					0.5	Br38
	BodyAngio		on	on	100		100None/None	141	141		4.96	161.12	32	narrow		3.96	0.3	64	32	0.6	3	1.4		300	3	Br38	
																					0.6				300	0.4	Bv38
Embolism_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	Embolism		on	on	100		100None/None	105	105		4.66	151.54	32	standard		3.96	0.3	64	32	0.6	3	1.4		300	3	Br38	
																					3				300	3	Br59
																					1				300	0.5	Br38
Embolism	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	Embolism		on	on	120		120None/None	127	127		9.65	313.64	32	standard		3.96	0.3	64	32	0.6	3	1.4		300	3	Br38	
																					3				300	3	Br59
																					3				300	0.6	Br38
BodyAngio_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	BodyAngio		on	on	120		120None/None	84	84		6.38	271.3	32	standard		8.46	0.5	64	32	0.6	5	1.4		400	5	Br38	
																					0.75				400	0.5	Bv38
BodyAngioRoutine	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	BodyAngio		on	on	120		120None/None	120	120		9.12	387.57	32	standard		8.46	0.5	64	32	0.6	5	1.4		400	5	Br38	
																					0.75				400	0.5	Bv38
BodyAngio_Vol	Topogram				100		100None/None	20			0.02	1.16	32	standard		5.29		6	6	0.6					512		Tr20
	BodyAngio		on	on	120		120None/None	120	120		9.12	387.57	32	standard		8.46	0.5	64	32	0.6	5	1.4		400	5	Br38	
																					5						
AngioRunOff_IR	Topogram				100		100None/None	20			0.02	2.33	32	standard		10.41		6	6	0.6					1024		Tr20
	AngioRunOff		on	on	120		120None/None	84	84		6.38	650.3	32	standard		19	0.3	64	32	0.6	5	0.85		1000	5	Br38	
																					1				1000	0.7	Bv38
AngioRunOff	Topogram				100		100None/None	20			0.02	2.33	32	standard		10.41		6	6	0.6					1024		Tr20
	AngioRunOff		on	on	120		120None/None	120	120		9.12	929.01	32	standard		19	0.3	64	32	0.6	5	0.85		1000	5	Br38	
																					1				1000	0.7	Bv38
WholeBodyAngio_IR	Topogram				100		100None/None	20			0.02	2.33	32	standard		10.41		6	6	0.6					1024		Tr20
	WholeBody		on	on	120		120None/None	84	84		6.38	526.7	32	standard		9.56	0.3	64	32	0.6	5	1.4		800	5	Br38	
																					0.75				800	0.5	Bv38
WholeBodyAngio	Topogram				100		100None/None</																				

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coil. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
FAST_Cardio	Topogram		on	on	100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6					512		Tr20
	CaScSeq		on	on	120		120None/None	40	40		1,93	26,2	32	narrow		0,22	0,3	16	16	1,2	3		17	133,28	1,5	Sa36	
		Contrast																									
	TestBolus	Contrast	off	off	100		100None/None	24	24		12,6	12,6	32	standard		0,5	0,5	1	1	10	10		0	0		Br43	
	CorAdSeq		on	on	100		100None/None	188	188		5,39	64,1	32	narrow		0,22	0,3	64	32	0,6	3		17	116,28	3	Br38	
		Pause																			0,6				116,28	0,4	Bv38
	CorCTA		on	on	100		100None/None	188	188		10,42	141,47	32	narrow		11,19	0,3	64	32	0,6	3	0,18		120	3	Br38	
																					0,6				120	0,3	Bv38
CoroCTA_AdaptSeq	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6					512		Tr20
	CorAdSeq		on	on	100		100None/None	188	188		5,39	64,1	32	narrow		0,22	0,3	64	32	0,6	3		17	116,28	3	Br38	
CoronaryCTA_IR	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6	0,6			512	0,4	Bv38	
	CorCTA		on	on	100		100None/None	141	141		11,36	154,14	32	narrow		11,19	0,3	64	32	0,6	3	0,18		120	3	Br38	
																					0,6				120	0,3	Bv38
																					1,5				120	1	Bv38
CoronaryCTARoutine	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6					512		Tr20
	CorCTA		on	on	100		100None/None	188	188		15,15	205,52	32	narrow		11,19	0,3	64	32	0,6	3	0,18		120	3	Br38	
																					0,6				120	0,3	Bv38
																					1,5				120	1	Bv38
CoroCTA_BiSeg	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6					512		Tr20
	CorCTABi		on	on	100		100None/None	188	188		15,15	205,52	32	narrow		11,19	0,3	64	32	0,6	3	0,18		120	3	Br38	
																					0,6				120	0,3	Bv38
																					1,5				120	1	Bv38
CoroCTA_HeartFlow	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6					512		Tr20
	CorCTA		on	on	100		100None/None	170	170		13,7	185,84	32	narrow		11,19	0,3	64	32	0,6	0,75	0,18		120	0,5	Bv38	
																					0,75				120	0,5	Bv38
TAVI	Topogram				100		100None/None	20			0,02	1,75	32	standard		7,85		6	6	0,6	0,6			768		Tr20	
		Contrast																									
	TestBolus	Contrast	off	off	100		100None/None	24	24		12,6	12,6	32	standard		0,5	0,5	1	1	10	10		0	0		Br43	
	TAVI		on	on	100		100None/None	188	188		17,05	120,14	32	narrow		5,01	0,3	64	32	0,6	0,6	0,18		50	0,4	Bv38	
	Planning		on	on	100		100None/None	141	141		4,96	260,43	32	narrow		5,81	0,3	64	32	0,6	1,5	1,5		500	1	Br38	
																										Br59	
DE_Head_BrainHem_post_intervention	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6					256		Tr20
	DE_Head80kV		on	off	80		80None/None	298	298		15,71	255,52	16	standard		11,42	0,5	40	20	0,6	4	0,6		150	4	Br35	
																					1				150	0,7	Qr40
	DE_Head140kV		on	off	140		140None/None	71	71		18,38	298,93	16	standard		11,42	0,5	40	20	0,6	4	0,6		150	4	Br35	
																					1				150	0,7	Qr40
		do not inject contrast																									
DE_Abdomen_LiverVNC_ate	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6					512		Tr20
	DE_Abd80kV		on	off	80		80None/None	298	298		5,24	133,52	32	standard		6,4	0,33	64	32	0,6	5	0,6		200	6	Br38	
																					1,5				200	1	Qr40
	DE_Abd140kV		on	off	140		140None/None	71	71		8,24	184,78	32	standard		3,53	0,33	64	32	0,6	5	1,2		200	5	Br38	
																					1,5				200	1	Qr40
DE_Spine_Metal	Topogram				140		140None/None	20			0,06	2,97	32	standard		5,29		6	6	0,6					512		Tr20
	DE_Spine80kV		off	off	80		80None/None	540	540		11,31	185,39	32	standard		7,52	0,5	64	32	0,6	3	0,6		150	3	Br38	
																					1,5				150	1	Qr40
	DE_Spine140kV		off	off	140		140None/None	129	129		14,96	245,27	32	standard		7,52	0,5	64	32	0,6	3	0,6		150	3	Br38	
																					1,5				150	1	Qr40
DE_Abdomen_Monoenergetic	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6	1,5				512		Tr20
	DE_Abd80kV		on	off	80		80None/None	298	298		6,24	102,31	32	standard		7,52	0,5	64	32	0,6	5	0,6		150	5	Br38	
																					1,5				150	1	Qr40
	DE_Abd140kV		on	off	140		140None/None	71	71		8,24	143,6	32	standard		4,26	0,5	64	32	0,6	5	1,2		150	5	Br38	
																					1,5				150	1	Qr40
DE_Abdomen_KidneyStones	Topogram				100		100None/None	20			0,02	1,16	32	standard		5,29		6	6	0,6	1,5				512		Tr20
	DE_Abd80kV		on	off	80		80None/None	298	298		6,24	102,31	32	standard		4,96	0,33	64	32	0,6	5	0,6		150	5	Br38	
																					1,5				150	1	Qr40
	DE_Abd140kV		on	off	140		140None/None	71	71		8,24	143,6	32	standard		2,81	0,33	64	32	0,6	5	1,2		150	5	Br38	
																					1,5				150	1	Qr40
DE_Body_BoneMarrow	Topogram				100		100None/None	20			0,02	2,33	32	standard		10,41		6	6	0,6					1024		Tr20
	DE_Body80kV		on	off	80		80None/None	280	280		5,86	418,69	32	standard		31,43	0,5	64	32	0,6	5	0,6		700	5	Br38	
																					1,5				700	1	Qr40
	DE_Body140kV		on	off	140		140None/None	51	51		5,92	428,52	32	standard		16,22	0,5	64	32	0,6	5	1,2		700	5	Br38	
																					1,5				700	1	Qr40
DE_Foot_Gout	Topogram				100		100None/None	20			0,02	0,58	32	standard		2,73		6	6	0,6					256		Tr20
	DE_Foot80kV		on	off	80		80None/None	165	165		3,46	57,29	32	standard		6,6	0,5	64	32								

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
DE_KneeBoneMarrow	Topogram				100		100None/None	20			0.02	0.68	32	standard			2.73		6	6	0.6				256		Tr20
	DE_Knee80kV		on	off	80		80None/None	240	240		5.03	83.33	32	standard			6.6	0.5	64	32	0.6	3	0.7		150	3	Br38
																					0.75				150	0.5	Qr40
	DE_Knee140kV		on	off	140		140None/None	57	57		6.61	109.6	32	standard			6.6	0.5	64	32	0.6	3	0.7		150	3	Br38
																					0.75				150	0.5	Qr40
RT_Head	Topogram				140		140None/None	20			0.12	3.07	16	standard			2.73		6	6	0.6				256		Tr20
	Head		on	off	120		120None/None	410	410		63.71	846.82	16	standard			13.43	1	16	16	1.2	3	0.55		120	3	Hf38
RT_Head_IR	Topogram				140		140None/None	20			0.12	3.07	16	standard			2.73		6	6	0.6				256		Tr20
	Head		on	off	120		120None/None	287	287		44.6	692.77	16	standard			13.43	1	16	16	1.2	3	0.55		120	3	Hf38
RT_DE_Head	Topogram				140		140None/None	20			0.12	3.07	16	standard			2.73		6	6	0.6				256		Tr20
	DE_Head80kV		on	off	80		80None/None	447	447		23.67	363.28	16	standard			11.42	0.5	40	20	0.6	3	0.6		150	3	Hr35
																					1.5				150	1	Qr40
	DE_Head140kV		on	off	140		140None/None	106	106		27.45	464.44	16	standard			6.21	0.5	40	20	0.6	3	1.2		150	3	Hr35
																					1.5				150	1	Qr40
RT_HeadNeckShoulder	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	HeadNeckShoul		on	semi	120		120None/None	260	260		18.93	317.03	32	standard			11.8	1	16	16	1.2	3	0.8		150	3	Br38
RT_HeadNeckShoulder_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	HeadNeckShoul		on	semi	120		120None/None	140	140		10.19	170.71	32	standard			11.8	1	16	16	1.2	3	0.8		150	3	Br38
RT_DE_HeadNeckShoulder	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	DE_Hns80kV		on	off	80		80None/None	387	387		8.11	132.87	32	standard			7.52	0.5	64	32	0.6	3	0.6		150	3	Br38
																					1.5				150	1	Qr40
	DE_Hns140kV		on	off	140		140None/None	92	92		10.67	186.08	32	standard			4.26	0.5	64	32	0.6	3	1.2		150	3	Br38
																					1.5				150	1	Qr40
RT_Thorax	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Thorax		on	semi	120		120None/None	140	140		10.19	330.46	32	standard			15.04	1	16	16	1.2	3	1.2		300	3	Br38
RT_Thorax_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Thorax		on	semi	120		120None/None	84	84		6.12	198.28	32	standard			15.04	1	16	16	1.2	3	1.2		300	3	Br38
RT_Abdomen	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Abdomen		on	semi	120		120None/None	250	250		16.2	389.22	32	standard			19.39	1	16	16	1.2	3	0.6		200	3	Br38
RT_Abdomen_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Abdomen		on	semi	120		120None/None	175	175		12.74	272.45	32	standard			19.39	1	16	16	1.2	3	0.6		200	3	Br38
RT_Pelvis	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr60
	Pelvis		on	semi	120		120None/None	270	270		19.66	427.5	32	standard			15.07	1	16	16	1.2	3	0.8		200	3	Br38
RT_Pelvis_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr60
	Pelvis		on	semi	120		120None/None	189	189		13.76	299.25	32	standard			15.07	1	16	16	1.2	3	0.8		200	3	Br38
RT_RespSeq	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	RespSeq_IN	Pause	off	off	120		120None/None	25	25		1.67	45.34	32	narrow			0.36	0.5	16	16	1.2	3		17	269.28	3	Br38
	RespSeq_EX		off	off	120		120None/None	25	25		1.67	45.34	32	narrow			0.36	0.5	16	16	1.2	3		17	269.28	3	Br38
RT_RespSeq_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	RespSeq_IN	Pause	off	off	120		120None/None	18	18		1.2	32.65	32	narrow			0.36	0.5	16	16	1.2	3		17	269.28	3	Br38
	RespSeq_EX		off	off	120		120None/None	18	18		1.2	32.65	32	narrow			0.36	0.5	16	16	1.2	3		17	269.28	3	Br38
RT_RespBreathHold	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Thorax		on	off	120		120None/None	140	140		8.27	267.97	32	narrow			7.52	0.5	16	16	1.2	3	1.2		300	3	Br38
RT_RespBreathHold_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Thorax		on	off	120		120None/None	84	84		4.96	160.78	32	narrow			7.52	0.5	16	16	1.2	3	1.2		300	3	Br38
RT_Resp	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Resp		off	off	120		120None/None	50	50		32.8	997.48	32	narrow			89.24	0.5	16	16	1.2	3	0.09		300	3	Br38
RT_Resp_IR	Topogram				100		100None/None	20			0.02	1.16	32	standard			5.29		6	6	0.6				512		Tr20
	Resp		off	off	120		120None/None	35	35		22.96	698.24	32	narrow			89.24	0.5	16	16	1.2	3	0.09		300	3	Br38
Trauma	Topogram				100		100None/None	20			0.02	2.33	32	standard			10.41		6	6	0.6				1024		Tr20
	Trauma		on	on	120		120None/None	180	180		13.1	1015.63	32	standard			14.02	0.5	16	16	1.2	7	1.5		750	7	Br38
																									750	1	Br38
																					1.5				750	1	Br38
TraumaThin	Topogram				100		100None/None	20			0.02	2.33	32	standard			10.41		6	6	0.6				1024		Tr20
	Trauma		on	on	120		120None/None	180	180		13.68	1060.59	32	standard			14.02	0.5	64	32	0.6	7	1.5		750	7	Br38
																					0.6				750	0.3	Br38
																					0.6				750	0.3	Br38
PolyTrauma	Topogram				140		140None/None	20			0.12	6.16	16	standard			5.29		6	6	0.6				512		Tr20
	Head		on	on	120		120None/None	390	390		63.25	841.1	16	standard			6.71	0.5	64	32	0.6	6	0.55		120	6	Hf38
	Neck		on	on	120		120None/None	165	165		12.01	189.18	32	standard			5.58	0.5	16	16	1.2	5	0.8		140	5	Bf37
		Pause																									
	Topogram				100		100None/None	20			0.02	1.75	32	standard			7.85		6	6	0.6				768		Tr20
	ThorAbd		on	on	120		120None/None	210	210		15.29	955.17	32	standard			12.19	0.5	16	16	1.2	7	1.4		600	7	Bf37
																									7		Bf37
																					1.5						

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
HeadTraumaSeq2D	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	HeadSeq		on	on	120		120None/None	390	390		61,15	770,46	16	standard		1	1	30	30	0,6	6		18	120		HF38	
HeadTraumaSeq	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	HeadSeq		on	on	120		120None/None	390	390		71,44	850,08	16	standard		1	1	64	32	0,6	5		17	114,28	5	HF38	
NeuroVPCT_03s	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	Head		on	on	120		120None/None	320	320		54,66	716,25	16	standard		38,36	1	20	10	0,6	5	0,55		120	5	HF38	
		Pause																			1			120	0,7	HF35	
	DynMulti4D		off	off	80		80None/None	118	118		172,41	1630,99	16	standard		1,5	0,3	16	16	1,2	10	1		90	5,1	HF35	
																					5			90	3,1	HF35	
		Pause																			1,5			90	1	HF35	
NeuroVPCT_Prolonge_03s	HeadAngio		on	on	100		100None/None	175	175		17,21	236,74	16	standard		4,92	0,5	64	32	0,6	1	0,8		120	0,7	HF35	
	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	Head		on	on	120		120None/None	320	320		54,66	716,25	16	standard		38,36	1	20	10	0,6	5	0,55		120	5	HF38	
																					1			120	0,7	HF35	
	Pause																										
	DynMulti4D		off	off	80		80None/None	118	118		172,41	1630,99	16	standard		1,5	0,3	16	16	1,2	10	1		90	5,1	HF35	
																					5			90	3,1	HF35	
																					1,5			90	1	HF35	
	Pause																										
NeuroVPCT_033s	HeadAngio		on	on	100		100None/None	175	175		17,21	236,74	16	standard		4,92	0,5	64	32	0,6	1	0,8		120	0,7	HF35	
	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	Head		on	on	120		120None/None	320	320		54,66	716,25	16	standard		38,36	1	20	10	0,6	5	0,55		120	5	HF38	
																					1			120	0,7	HF35	
	Pause																										
	DynMulti4D		off	off	80		80None/None	118	118		166,04	1482,72	16	standard		1,5	0,33	16	16	1,2	10	1		84	5,1	HF35	
																					5			84	3,1	HF35	
																					1,5			84	1	HF35	
	Pause																										
NeuroVPCT_Prolonge_033s	HeadAngio		on	on	100		100None/None	175	175		17,21	236,74	16	standard		4,92	0,5	64	32	0,6	1	0,8		120	0,7	HF35	
	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	Head		on	on	120		120None/None	320	320		54,66	716,25	16	standard		38,36	1	20	10	0,6	5	0,55		120	5	HF38	
																					1			120	0,7	HF35	
	Pause																										
	DynMulti4D		off	off	80		80None/None	118	118		166,04	1482,72	16	standard		1,5	0,33	16	16	1,2	10	1		84	5,1	HF35	
																					5			84	3,1	HF35	
																					1,5			84	1	HF35	
	Pause																										
NeuroPCT	HeadAngio		on	on	100		100None/None	175	175		17,21	236,74	16	standard		4,92	0,5	64	32	0,6	1	0,8		120	0,7	HF35	
	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	Head		on	on	120		120None/None	390	390		66,61	872,93	16	standard		38,36	1	20	10	0,6	5	0,55		120	5	HF38	
		Pause																									
NeuroPCTSingle	DynMulti		off	off	70		70None/None	200	200		241,15	463	16	standard		40	1	16	16	1,2	10			9,2	4,5	HF35	
	Topogram				140		140None/None	20			0,12	3,07	16	standard		2,73		6	6	0,6				256		Tr20	
	Head		on	on	120		120None/None	390	390		66,61	872,93	16	standard		38,36	1	20	10	0,6	5	0,55		120	5	HF38	
		Pause																									
BodyVPCT_03s	DynMulti		off	off	70		70None/None	200	200		196,46	196,46	16	standard		40	1	1	1	10	10			0	10	HF35	
	DynMulti4D		off	off	100		100None/None	150	150		176,61	1670,72	32	standard		1,5	0,3	16	16	1,2	5	1		90	3,1	Br34	
																					3			90	2	Br34	
																					1,5			90	1	Br34	
	adjust to specific organ																										
BodyVPCT_033s	DynMulti4D		off	off	100		100None/None	150	150		170,08	1518,84	32	standard		1,5	0,33	16	16	1,2	5	1		84	3,1	Br34	
																					3			84	2	Br34	
																					1,5			84	1	Br34	
	adjust to specific organ																										
BodyPCT	DynMulti		off	off	100		100None/None	150	150		257,83	495,03	32	standard		40	1	16	16	1,2	10			9,2	4,5	Br34	
BodyPCTSeq	DynSeri		off	off	100		100None/None	150	150		193,37	371,27	32	standard		0,5	0,5	16	16	1,2	10		0	9,2	4,5	Br34	
		adjust to specific organ																									
BodyPCTSingleSeq	DynSeri		off	off	100		100None/None	150	150		220,56	220,56	32	standard		0,5	0,5	1	1	10	10		0	0	10	Br34	
		adjust to specific organ																									
DynMultiECG	DynMulti		off	off	80		80None/None	100	100		34,8	66,81	32	narrow		30	0,3	16	16	1,2	3			16,2	1,5	Br38	
DynSeriECGSeq	DynSeri		off	off	80		80None/None	100	100		34,84	66,89	32	narrow		0,22	0,3	16	16	1,2	3		0	16,2	1,5	Br38	

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Adult																											
Topos	TopoHead				140		140None/None	55			0.12	3.07	16	standard		2.73		6	6	0.6				256		Tr20	
	TopoHeadNeck				140		140None/None	55			0.06	1.48	32	standard		2.73		6	6	0.6				256		Tr20	
	TopoNeck				140		140None/None	55			0.06	1.48	32	standard		2.73		6	6	0.6				256		Tr20	
	TopoNeckThor				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoShoulder				100		100None/None	55			0.02	0.58	32	standard		2.73		6	6	0.6				256		Tr20	
	TopoThorax				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoThorUpAbd				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoTorAbd				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoAbdomen				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoPelvis				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoLegs				100		100None/None	106			0.02	1.16	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoSpline				140		140None/None	106			0.06	2.97	32	standard		5.29		6	6	0.6				512		Tr20	
	TopoRunoff				100		100None/None	208			0.02	2.33	32	standard		10.41		6	6	0.6				1024		Tr20	
	TopoWholeBody				100		100None/None	344			0.02	3.87	32	standard		17.19		6	6	0.6				1700		Tr20	

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Child																											
Head_XCARE_IR	Topogram		on	on	120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
Head_IR	Head				100		100None/None	420	210		20.65	276.5	16	standard			12.43	1	64	32	0.6	5	0.6		120	5	Hr38
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
Head_XCARE	Head		on	on	100		100None/None	420	210		20.65	284.08	16	standard			9.84	1	64	32	0.6	5	0.8		120	5	Hr38
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
HeadRoutine	Head		on	on	100		100None/None	600	300		29.5	394.99	16	standard			12.43	1	64	32	0.6	5	0.6		120	5	Hr38
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
HeadRoutineSeq2D	Head		on	on	100		100None/None	600	300		29.5	405.83	16	standard			9.84	1	64	32	0.6	5	0.8		120	5	Hr38
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
HeadRoutineSeq	HeadSeq		on	on	100		100None/None	600	300		29.85	383.91	16	standard			1	1	30	30	0.6	6		18	120		Hr38
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
HeadRoutineSeq	HeadSeq		on	on	100		100None/None	600	300		33.31	396.43	16	standard			1	1	64	32	0.6	5		17	114.28	5	Hr38
NeonateHead	Topogram				80		80None/None	20			0.02	0.56	16	narrow			2.73		6	6	0.6				256		Tr20
	NeonateHead		on	on	100		100None/None	600	102		10.03	137.98	16	standard			9.84	1	64	32	0.6	5	0.8		120	5	Hr38
InnerEarZUHR_IR	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr60
	InnerEarZUHR		on	on	120		120None/None	161	81		17.74	93.1	16	narrow			12	1	32	16	0.3	0.4	0.85		40	0.4	Ur70
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr60
InnerEarUHR	InnerEarUHR		on	on	120		120None/None	230	115		25.19	132.18	16	narrow			12	1	32	16	0.3	0.4	0.85		40	0.4	Ur70
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr60
InnerEarUHR	InnerEarUHR		on	on	120		120None/None	180	90		15.72	103.53	16	narrow			12	1	16	8	0.6	0.6	0.85		40	0.6	Ur70
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr60
InnerEar	InnerEar		on	on	120		120None/None	180	90		12.98	74.74	16	narrow			4.61	1	64	32	0.6	0.6	0.8		40	0.6	Hr60
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr60
InnerEarUHRSeq	InnerEarUHRSeq		on	on	120		120None/None	180	90		21.03	85.17	16	narrow			1	1	16	8	0.6	0.6		4.5	39.72	0.6	Ur70
	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
Sinus	Sinus		on	on	120		120None/None	50	25		3.61	27.97	16	narrow			5.92	1	64	32	0.6	3	0.8		60	3	Hr60
																					3				60	3	Hr38
																					1				60	0.7	Hr60
																					1				60	0.7	Hr38
Orbit	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
	Orbit		on	on	120		120None/None	125	63		9.09	52.32	16	narrow			4.61	1	64	32	0.6	3	0.8		40	3	Hr60
																					3				40	3	Hr38
																					0.6				40	0.4	Hr60
Neck_IR	Topogram				120		120None/None	20			0.03	0.8	32	narrow			2.73		6	6	0.6				256		Tr20
	Neck		on	on	100		100None/None	164	82		2.82	52.86	32	narrow			13.11	1	16	16	1.2	5	0.8		170	5	Br38
																					1.5				170	1	Br57
NeckRoutine	Topogram				120		120None/None	20			0.03	0.8	32	narrow			2.73		6	6	0.6				256		Tr20
	Neck		on	on	100		100None/None	234	117		4.02	75.42	32	narrow			13.11	1	16	16	1.2	5	0.8		170	5	Br38
																					1.5				170	1	Br60
ShoulderRoutine	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	Shoulder		on	on	100		100None/None	254	127		4.47	65.92	32	narrow			10.5	1	64	32	0.6	5	0.8		130	5	Br60
																					0.75				130	0.5	Br57
																					0.75				130	0.5	Br60
Thorax_XCARE_IR	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Thorax		on	on	100		100None/None	93	47		1.62	26.48	32	narrow			4.51	0.3	16	16	1.2	3	0.6		150	3	Br38
																									150	3	Br51
																					1.5				150	1	Br38
																					1.5				150	1	Br51
Thorax_IR	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Thorax		on	on	100		100None/None	93	47		1.62	27.07	32	narrow			5.9	0.5	16	16	1.2	3	0.8		150	3	Br38
																									150	3	Br51
																					1.5				150	1	Br38
																					1.5				150	1	Br51
Thorax_XCARE	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Thorax		on	on	100		100None/None	156	78		2.68	43.94	32	narrow			4.51	0.3	16	16	1.2	3	0.6		150	3	Br38
																									150	3	Br58
																					1.5				150	1	Br38
																					1.5				150	1	Br51
ThoraxRoutine	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Thorax		on	on	100		100None/None	156	78		2.68	44.92	32	narrow			5.9	0.5	16	16	1.2	3	0.8		150	3	Br38
																									150	3	Br58
																					1.5				150	1	Br38
																					1.5				150	1	Br51
ThoraxSeqHR	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	ThorHRSeq		on	on	120		120None/None	110	55		0.59	9.44	32	narrow			0.5	0.5	2	2	1	1		10	151		Br62
Abdomen_IR	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Abdomen		on	on	100		100None/None	208	104		3.58	76.47	32	narrow			9.7	0.5	16	16	1.2	5	0.6		200	5	Br38
AbdomenRoutine	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Abdomen		on	on	100		100None/None	297	149		5.12	109.56	32	narrow			9.7	0.5	16	16	1.2	5	0.6		200	5	Br38
	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr60
Pelvis_IR	Pelvis		on	on	100		100None/None	208	104		3																

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Child																											
PelvisRoutine	Topogram		on	on	80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr60
	Pelvis				100		100None/None	297	149		5.12	85.8	32	narrow			5.9	0.5	16	16	1.2	5	0.8		150	5	Bf37
Spine_IR_Vol	Topogram				120		120None/None	20			0.03	0.8	32	narrow			2.73		6	6	0.6				256		Tr60
	Spine		on	on	120		120None/None	231	116		7.04	124.97	32	narrow			12.46	1	64	32	0.6	2	0.8		160	2	Br38
																					0.6					0.4	Br38
																					0.6					0.4	Br37
Spine_IR	Topogram				120		120None/None	20			0.03	0.8	32	narrow			2.73		6	6	0.6				256		Tr60
	Spine		on	on	120		120None/None	231	116		7.04	124.97	32	narrow			12.46	1	64	32	0.6	2	0.8		160	2	Br38
																					0.6				160	0.4	Br37
Spine_Vol	Topogram				120		120None/None	20			0.03	0.8	32	narrow			2.73		6	6	0.6				256		Tr60
	Spine		on	on	120		120None/None	330	165		10.01	177.75	32	narrow			12.46	1	64	32	0.6	2	0.8		160	2	Br38
																					0.6					0.4	Br38
																					0.6					0.4	Br60
SpineRoutine	Topogram				120		120None/None	20			0.03	0.8	32	narrow			2.73		6	6	0.6				256		Tr60
	Spine		on	on	120		120None/None	330	165		10.01	177.75	32	narrow			12.46	1	64	32	0.6	2	0.8		160	2	Br38
																					0.6				160	0.4	Br60
ExtrZUHR_IR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	ExtrUHR		on	off	120		120None/None	126	63		5.81	42.07	32	narrow			17	1	32	16	0.3	0.4	0.85		60	0.4	Ur70
ExtrRoutineZUHR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	ExtrUHR		on	off	120		120None/None	180	90		8.29	60.1	32	narrow			17	1	32	16	0.3	0.4	0.85		60	0.4	Ur70
ExtrUHR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	ExtrUHR		on	off	120		120None/None	120	60		5.53	40.09	32	narrow			17	1	16	8	0.6	0.6	0.85		60	0.6	Ur70
Extremity	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	Extremity		on	off	100		100None/None	154	77		2.71	31.84	32	narrow			8.54	1	64	32	0.6	3	0.8		100	3	Br38
																					1				100	0.7	Br38
ExtrZUHR_IR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	ExtrUHR		on	off	120		120None/None	126	63		5.81	42.07	32	narrow			17	1	32	16	0.3	0.4	0.85		60	0.4	Ur70
ExtrRoutineZUHR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	ExtrUHR		on	off	120		120None/None	180	90		8.29	60.1	32	narrow			17	1	32	16	0.3	0.4	0.85		60	0.4	Ur70
ExtrUHR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	ExtrUHR		on	off	120		120None/None	120	60		5.53	40.09	32	narrow			17	1	16	8	0.6	0.6	0.85		60	0.6	Ur70
Extremity	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	Extremity		on	off	100		100None/None	154	77		2.71	31.84	32	narrow			8.54	1	64	32	0.6	3	0.8		100	3	Br38
																					1				100	0.7	Br38
HeadAngio_XCARE_IR	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
	HeadAngio		on	on	80		80None/None	154	77		3.27	24.14	16	narrow			2.17	0.3	64	32	0.6	2	0.6		60	2	Hv38
																					0.6				60	0.4	Hv38
HeadAngio_IR	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
	HeadAngio		on	on	80		80None/None	154	77		3.27	27.72	16	narrow			2.12	0.5	64	32	0.6	2	1.4		60	2	Hv38
																					0.6				60	0.4	Hv38
HeadAngio_XCARE	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
	HeadAngio		on	on	80		80None/None	220	110		4.66	34.48	16	narrow			2.17	0.3	64	32	0.6	2	0.6		60	2	Hv38
																					0.6				60	0.4	Hv38
HeadAngio	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
	HeadAngio		on	on	80		80None/None	220	110		4.66	39.6	16	narrow			2.12	0.5	64	32	0.6	2	1.4		60	2	Hv38
																					0.6				60	0.4	Hv38
CarotidAngio_IR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	CarotidAngio		on	on	80		80None/None	152	76		1.24	24.22	32	narrow			4.17	0.5	64	32	0.6	5	1.4		170	5	Br38
																					0.6				170	0.4	Bv38
CarotidAngio	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	CarotidAngio		on	on	80		80None/None	216	108		1.77	34.42	32	narrow			4.17	0.5	64	32	0.6	5	1.4		170	5	Br38
																					0.6				170	0.4	Bv38
BodyAngio_IR	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	BodyAngio		on	on	80		80None/None	152	76		1.24	27.95	32	narrow			4.73	0.5	64	32	0.6	3	1.4		200	3	Br38
																					0.6				200	0.4	Bv38
BodyAngio	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	BodyAngio		on	on	80		80None/None	216	108		1.77	39.71	32	narrow			4.73	0.5	64	32	0.6	3	1.4		200	3	Br38
																					0.6				200	0.4	Bv38
RT_Head	Topogram				120		120None/None	20			0.07	1.89	16	narrow			2.73		6	6	0.6				256		Tr20
	Head		on	off	120		120None/None	410	205		31.85	437.94	16	standard			9.84	1	16	16	1.2	3	0.8		120	3	Hr38
RT_Abdomen	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Abdomen		on	semi	120		120None/None	250	125		7.38	157.61	32	narrow			9.7	0.5	16	16	1.2	3	0.6		200	3	Br38
RT_Abdomen_IR	Topogram				80		80None/None	20			0.01	0.44	32	narrow			5.29		6	6	0.6				512		Tr20
	Abdomen		on	semi	120		120None/None	175	88		5.2	111.1	32	narrow			9.7	0.5	16	16	1.2	3	0.6		200	3	Br38
NeonateBody_IR	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	NeonateBody		on	on	80		80None/None	337	57		0.92	16.02	32	narrow			3.8	0.5	16	16	1.2	5	1.4		150	5	Br38
NeonateBody	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6	0.6				256		Tr20
	NeonateBody		on	on	80		80None/None	561	85		1.53	25.69	32	narrow			3.8	0.5	16	16	1.2	5	1.4		150	5	Br38
NeonateBody_70kV	Topogram				80		80None/None	20			0.01	0.22	32	narrow			2.73		6	6</							

Scan Protocol Name	Range Name	Memo	CARE Dose[4D]	CARE kV	Tube Voltage A [kV]	Tube Voltage B [kV]	kV Tin combi	Qual. ref. Tube Current [Qual. ref. mAs]	Tube Current A [mAs]	Tube Current B [mAs]	CTDIvol [mGy]	DLP total [mGy cm]	CTDI Phantom Size [cm]	Shaped Filter A	Shaped Filter B	Scan Time [s]	Rot. Time [s]	Acquisition	No. Slice Collimation	Coll. Width [mm]	Slice Width [mm]	Pitch Factor	Feed/ Scan [mm]	Length [mm]	Increment [mm]	Kernel	
Child																											
Topos		Neonate 80kV, 20 mA!																									
	TopoHead				120		120None/None	55			0,07	1,89	16	narrow		2,73		6	6	0,6				256		Tr20	
	TopoHeadNeck				120		120None/None	55			0,03	0,8	32	narrow		2,73		6	6	0,6				256		Tr20	
	TopoNeck				120		120None/None	55			0,03	0,8	32	narrow		2,73		6	6	0,6				256		Tr20	
	TopoNeckThor				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoShoulder				80		80None/None	55			0,01	0,22	32	narrow		2,73		6	6	0,6				256		Tr20	
	TopoThorax				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoThorUpAbd				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoTorAbd				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoAbdomen				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoPelvis				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoLegs				80		80None/None	106			0,01	0,44	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoSpline				120		120None/None	106			0,03	1,6	32	narrow		5,29		6	6	0,6				512		Tr20	
	TopoRunoff				80		80None/None	208			0,01	0,87	32	narrow		10,41		6	6	0,6				1024		Tr20	
	TopoWholeBody				80		80None/None	303			0,01	1,28	32	narrow		15,17		6	6	0,6				1500		Tr20	

Kernel specification starting with VB10	Kernel specification former software versions	IBHC setting in VB10	Safire/ Admire setting in VB10
Be05f	B08f	none	off
Be05s	B08s	none	off
Be32f	B19f	none	off
Be32s	B19s	none	off
Bf37f	B31f	none	off
Bf37f	I31f	none	on
Bf37s	B31s	none	off
Bf37s	I31s	none	on
Bf39f	B41f	none	off
Bf39f	I41f	none	on
Bf42s	B41s	none	off
Bf42s	I41s	none	on
Bl57f	B80f	none	off
Bl57s	B80s	none	off
Br32f	B10f	none	off
Br32f	B18f	none	off
Br32s	B10s	none	off
Br32s	B18s	none	off
Br34f	B20f	none	off
Br34s	B20s	none	off
Br36f	B22f	none	off
Br36f	B23f	Iodine	off
Br38f	B30f	none	off
Br38f	I30f	none	on
Br38s	B30s	none	off
Br38s	I30s	none	on
Br40f	B40f	none	off
Br40f	B43f	none	off
Br40f	I40f	none	on
Br43s	B40s	none	off
Br43s	I40s	none	on
Br46f	B45f	none	off
Br49s	B45s	none	off
Br51f	B50f	none	off
Br51f	B65f	none	off
Br51f	I50f	none	on
Br54f	I44f	none	on
Br54s	I44s	none	on
Br57s	B50s	none	off
Br57s	B65s	none	off
Br57s	I50s	none	on
Br58f	B60f	none	off
Br59f	B70f	none	off
Br59f	I70f	none	on
Br60s	B60s	none	off
Br62s	B70s	none	off

Kernel specification starting with VB10	Kernel specification former software versions	IBHC setting in VB10	Safire/ Admire setting in VB10
Br62s	I70h	none	on
Bv38f	B25f	none	off
Bv38f	B26f	none	off
Bv38f	B47f	none	off
Bv38f	I26f	none	on
Bv40s	B25s	none	off
Bv40s	B26s	none	off
Bv40s	B47s	none	off
Bv40s	I26s	none	on
Bv41f	B36f	none	off
Bv41f	I36f	none	on
Bv41s	B36s	none	off
Bv41s	I36s	none	on
Bv45f	B46f	none	off
Bv45f	I46f	none	on
Bv49s	B46s	none	off
Bv49s	I46s	none	on
Bv58f	B75f	none	off
Bv66h	B75h	none	off
Hc40f	H37f	Bone	off
Hc40f	J37f	Bone	on
Hc40s	H37s	Bone	off
Hc40s	J37s	Bone	on
Hc44f	H47f	Bone	off
Hc44s	H47s	Bone	off
Hc45f	H48f	Bone	off
Hc45s	H48s	Bone	off
He05f	H08f	Bone	off
He05s	H08s	Bone	off
He32f	H19f	Bone	off
He32s	H19s	Bone	off
Hf35f	H21f	Bone	off
Hf35s	H21s	Bone	off
Hf38f	H31f	Bone	off
Hf38s	H31s	Bone	off
Hf39f	H41f	Bone	off
Hf39s	H41s	Bone	off
Hp38f	C30f	none	off
Hp38s	C30s	none	off
Hr32f	H10f	Bone	off
Hr32s	H10s	Bone	off
Hr35f	H20f	Bone	off
Hr35f	H22f	none	off
Hr35f	H23f	none	off
Hr35s	H20s	Bone	off
Hr35s	H22s	none	off

Kernel specification starting with VB10	Kernel specification former software versions	IBHC setting in VB10	Safire/ Admire setting in VB10
Hr35s	H23s	none	off
Hr38f	H30f	Bone	off
Hr38f	H32f	none	off
Hr38f	J30f	Bone	on
Hr38s	H30s	Bone	off
Hr38s	H32s	none	off
Hr38s	J30s	Bone	on
Hr40f	H40f	Bone	off
Hr40f	H42f	none	off
Hr40f	J40f	Bone	on
Hr40s	H40s	Bone	off
Hr40s	H42s	none	off
Hr40s	J40s	Bone	on
Hr44f	H45f	Bone	off
Hr44f	J45f	Bone	on
Hr44s	H45s	Bone	off
Hr44s	J45s	Bone	on
Hr45f	H50f	Bone	off
Hr45s	H50s	Bone	off
Hr56f	H60f	none	off
Hr60s	H60s	none	off
Hr68h	H70h	none	off
Hr68h	J70h	none	on
Or37f	S80f	none	off
Or44s	S80s	none	off
Qr32f	D10f	none	off
Qr32s	D10s	none	off
Qr36f	B35f	none	off
Qr36f	D20f	none	off
Qr36f	D23f	Iodine	off
Qr36f	D24f	Bone	off
Qr36f	I35f	none	on
Qr36s	B35s	none	off
Qr36s	D20s	none	off
Qr36s	D23s	Iodine	off
Qr36s	D24s	Bone	off
Qr36s	I35s	none	on
Qr40f	D30f	none	off
Qr40f	D33f	Iodine	off
Qr40f	D34f	Bone	off
Qr40f	Q30f	none	on
Qr40f	Q33f	Iodine	on
Qr40f	Q34f	Bone	on
Qr40s	D30s	none	off
Qr40s	D33s	Iodine	off
Qr40s	D34s	Bone	off

Kernel specification starting with VB10	Kernel specification former software versions	IBHC setting in VB10	Safire/ Admire setting in VB10
Qr40s	Q30s	none	on
Qr40s	Q33s	Iodine	on
Qr40s	Q34s	Bone	on
Qr43f	D40f	none	off
Qr43f	Q40f	none	on
Qr43s	D40s	none	off
Qr43s	Q40s	none	on
Qr49f	D45f	none	off
Qr49s	D45s	none	off
Qr51f	D50f	none	off
Qr51s	D50s	none	off
Qr61s	D60s	none	off
Qv40f	D26f	none	off
Qv40s	D26s	none	off
Qv43f	D36f	none	off
Qv43s	D36s	none	off
Sb49f	I49f	none	on
Sb49s	I49s	none	on
Sd40f	E30f	eDDensity	off
Sd40f	F30f	eDDensity	on
Sd40s	E30s	eDDensity	off
Sd40s	F30s	eDDensity	on
Sh49f	J49f	none	on
Sh49s	J49s	none	on
Tr10f	T10f	none	off
Tr10f	T10s	none	off
Tr20f	T20f	none	off
Tr20f	T20s	none	off
Tr60f	T80f	none	off
Tr60f	T80s	none	off
Tr80f	T90f	none	off
Tr80f	T90s	none	off
Tx20f	T21f	none	off
Tx20f	T21s	none	off
Tx60f	T81f	none	off
Tx60f	T81s	none	off
Ur38u	U30u	none	off
Ur44u	U40u	none	off
Ur68u	U70u	none	off
Ur70u	U75u	none	off
Ur70u	U80u	none	off
Ur70u	V80u	none	on
Ur77u	U90u	none	off
Ur77u	V90u	none	on
Ur80u	U95u	none	off

Sorted by kernel specification starting with VB10

Kernel specification former software versions	Kernel specification starting with VB10	IBHC setting in VB10	Safire/ Admire setting in VB10
B08f	Be05f	none	off
B08s	Be05s	none	off
B10f	Br32f	none	off
B10s	Br32s	none	off
B18f	Br32f	none	off
B18s	Br32s	none	off
B19f	Be32f	none	off
B19s	Be32s	none	off
B20f	Br34f	none	off
B20s	Br34s	none	off
B22f	Br36f	none	off
B23f	Br36f	Iodine	off
B25f	Bv38f	none	off
B25s	Bv40s	none	off
B26f	Bv38f	none	off
B26s	Bv40s	none	off
B30f	Br38f	none	off
B30s	Br38s	none	off
B31f	Bf37f	none	off
B31s	Bf37s	none	off
B35f	Qr36f	none	off
B35s	Qr36s	none	off
B36f	Bv41f	none	off
B36s	Bv41s	none	off
B40f	Br40f	none	off
B40s	Br43s	none	off
B41f	Bf39f	none	off
B41s	Bf42s	none	off
B43f	Br40f	none	off
B45f	Br46f	none	off
B45s	Br49s	none	off
B46f	Bv45f	none	off
B46s	Bv49s	none	off
B47f	Bv38f	none	off
B47s	Bv40s	none	off
B50f	Br51f	none	off
B50s	Br57s	none	off
B60f	Br58f	none	off
B60s	Br60s	none	off
B65f	Br51f	none	off
B65s	Br57s	none	off
B70f	Br59f	none	off
B70s	Br62s	none	off
B75f	Bv58f	none	off
B75h	Bv66h	none	off
B80f	Bl57f	none	off

Kernel specification former software versions	Kernel specification starting with VB10	IBHC setting in VB10	Safire/ Admire setting in VB10
B80s	Bl57s	none	off
C30f	Hp38f	none	off
C30s	Hp38s	none	off
D10f	Qr32f	none	off
D10s	Qr32s	none	off
D20f	Qr36f	none	off
D20s	Qr36s	none	off
D23f	Qr36f	Iodine	off
D23s	Qr36s	Iodine	off
D24f	Qr36f	Bone	off
D24s	Qr36s	Bone	off
D26f	Qv40f	none	off
D26s	Qv40s	none	off
D30f	Qr40f	none	off
D30s	Qr40s	none	off
D33f	Qr40f	Iodine	off
D33s	Qr40s	Iodine	off
D34f	Qr40f	Bone	off
D34s	Qr40s	Bone	off
D36f	Qv43f	none	off
D36s	Qv43s	none	off
D40f	Qr43f	none	off
D40s	Qr43s	none	off
D45f	Qr49f	none	off
D45s	Qr49s	none	off
D50f	Qr51f	none	off
D50s	Qr51s	none	off
D60s	Qr61s	none	off
E30f	Sd40f	eDDensity	off
E30s	Sd40s	eDDensity	off
F30f	Sd40f	eDDensity	on
F30s	Sd40s	eDDensity	on
H08f	He05f	Bone	off
H08s	He05s	Bone	off
H10f	Hr32f	Bone	off
H10s	Hr32s	Bone	off
H19f	He32f	Bone	off
H19s	He32s	Bone	off
H20f	Hr35f	Bone	off
H20s	Hr35s	Bone	off
H21f	Hf35f	Bone	off
H21s	Hf35s	Bone	off
H22f	Hr35f	none	off
H22s	Hr35s	none	off
H23f	Hr35f	none	off
H23s	Hr35s	none	off

Kernel specification former software versions	Kernel specification starting with VB10	IBHC setting in VB10	Safire/ Admire setting in VB10
H30f	Hr38f	Bone	off
H30s	Hr38s	Bone	off
H31f	Hf38f	Bone	off
H31s	Hf38s	Bone	off
H32f	Hr38f	none	off
H32s	Hr38s	none	off
H37f	Hc40f	Bone	off
H37s	Hc40s	Bone	off
H40f	Hr40f	Bone	off
H40s	Hr40s	Bone	off
H41f	Hf39f	Bone	off
H41s	Hf39s	Bone	off
H42f	Hr40f	none	off
H42s	Hr40s	none	off
H45f	Hr44f	Bone	off
H45s	Hr44s	Bone	off
H47f	Hc44f	Bone	off
H47s	Hc44s	Bone	off
H48f	Hc45f	Bone	off
H48s	Hc45s	Bone	off
H50f	Hr45f	Bone	off
H50s	Hr45s	Bone	off
H60f	Hr56f	none	off
H60s	Hr60s	none	off
H70h	Hr68h	none	off
I26f	Bv38f	none	on
I26s	Bv40s	none	on
I30f	Br38f	none	on
I30s	Br38s	none	on
I31f	Bf37f	none	on
I31s	Bf37s	none	on
I35f	Qr36f	none	on
I35s	Qr36s	none	on
I36f	Bv41f	none	on
I36s	Bv41s	none	on
I40f	Br40f	none	on
I40s	Br43s	none	on
I41f	Bf39f	none	on
I41s	Bf42s	none	on
I44f	Br54f	none	on
I44s	Br54s	none	on
I46f	Bv45f	none	on
I46s	Bv49s	none	on
I49f	Sb49f	none	on
I49s	Sb49s	none	on
I50f	Br51f	none	on

Kernel specification former software versions	Kernel specification starting with VB10	IBHC setting in VB10	Safire/ Admire setting in VB10
I50s	Br57s	none	on
I70f	Br59f	none	on
I70h	Br62s	none	on
J30f	Hr38f	Bone	on
J30s	Hr38s	Bone	on
J37f	Hc40f	Bone	on
J37s	Hc40s	Bone	on
J40f	Hr40f	Bone	on
J40s	Hr40s	Bone	on
J45f	Hr44f	Bone	on
J45s	Hr44s	Bone	on
J49f	Sh49f	none	on
J49s	Sh49s	none	on
J70h	Hr68h	none	on
Q30f	Qr40f	none	on
Q30s	Qr40s	none	on
Q33f	Qr40f	Iodine	on
Q33s	Qr40s	Iodine	on
Q34f	Qr40f	Bone	on
Q34s	Qr40s	Bone	on
Q40f	Qr43f	none	on
Q40s	Qr43s	none	on
S80f	Qr37f	none	off
S80s	Qr44s	none	off
T10f	Tr10f	none	off
T20f	Tr20f	none	off
T21f	Tx20f	none	off
T80f	Tr60f	none	off
T81f	Tx60f	none	off
T90f	Tr80f	none	off
T10s	Tr10f	none	off
T20s	Tr20f	none	off
T21s	Tx20f	none	off
T80s	Tr60f	none	off
T81s	Tx60f	none	off
T90s	Tr80f	none	off
U30u	Ur38u	none	off
U40u	Ur44u	none	off
U70u	Ur68u	none	off
U75u	Ur70u	none	off
U80u	Ur70u	none	off
U90u	Ur77u	none	off
U95u	Ur80u	none	off
V80u	Ur70u	none	on
V90u	Ur77u	none	on

Sorted by kernel specification of former software versions

Caution: Federal law restricts this device to sale by or on
the order of a physician, dentist, or veterinarian
(21 CFR 801.109(b)(1)).

The original language of this document is English.

Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens-healthineers.com

Legal Manufacturer

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany