



-A web-based CT dose calculator-

WAZA-ARI version 3

ユーザマニュアル/User Manual

付録 登録パラメータ/Appendix Registration Parameters

Ver. 20260319

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登録パラメータ / Registration Parameters

Table 1. Selectable CT models, bow-tie filter, tube voltage conditions

Manufacturer	Scanner Model Name	Bow-tie Filter Name or Size	Tube Voltage [kV]
Canon (旧 Toshiba)	Aquilion 16	Large, Small	80, 100, 120, 135
	Aquilion 64	Large, Small	80, 100, 120, 135
	Aquilion CXL Edition	Large, Small	80, 100, 120, 135
	Aquilion LB	Large, Small	80, 100, 120, 135
	Alexion	Medium	80, 100, 120, 135
	Alexion Access Edition	Medium	80, 100, 120, 135
	Aquilion Lightning	Large, Small	80, 100, 120, 135
	Aquilion Lightning Helios Edition	Large, Medium	80, 100, 120, 135
	Aquilion PRIME Beyond Edition	Large, Medium, Small	80, 100, 120, 135
	Aquilion PRIME Focus Edition	Large, Medium, Small	80, 100, 120, 135
	Aquilion Prime SP	Large, Small	80, 100, 120, 135
	Aquilion ONE ViSION Edition	Large, Medium, Small	80, 100, 120, 135
	Aquilion Precision	Large1, Large2, Small1	80, 100, 120, 140
	Aquilion ONE GENESIS Edition	Large, Medium	80, 100, 120, 135
	Aquilion ONE NATURE Edition	Large, Medium	80, 100, 120, 135
Aquilion Serve	Large, Medium	80, 100, 120, 135	
Fujifilm (旧 Hitachi)	Eclos series	Normal	100, 120
	Supria series	Normal	80, 100, 120, 140
	SCENARIO	Normal, Small	80, 100, 120, 140
	SCENARIO EX Edition	Normal, Small	80, 100, 120, 140
	SCENARIO View	Normal, Small	80, 100, 120, 140
GE	LightSpeed 16	Large, Small	80, 100, 120
	LightSpeed RT	Large, Small	80, 100, 120
	LightSpeed Ultra	Large, Small	80, 100, 120
	LightSpeed VCT	Large, Medium, Small	80, 120
	BrightSpeed Elite	Large, Medium	80, 100, 120, 140
	Discovery CT750HD	Large, Medium, Small	80, 100, 120, 140
	Revolution HD	Large, Medium, Small	80, 100, 120, 140
	Optima CT660	Large, Small	80, 100, 120, 140
	Revolution EVO	Large, Small	80, 100, 120, 140
	Revolution GSI	Large, Medium, Small	80, 100, 120, 140
Revolution CT	Medium	70, 80, 100, 120, 140	
Siemens	SOMATOM Sensation 16	Standard	80, 120
	SOMATOM Sensation 64	Standard	80, 100, 120
	SOMATOM Emotion 6	Standard	80, 100, 130
	SOMATOM Emotion 16	Standard	80, 100, 130
	SOMATOM Perspective	Standard	80, 100, 130
	SOMATOM Scope	Standard	80, 100, 130
	SOMATOM Definition Flash	Standard, Wide	70, 80, 100, 120, 140
	SOMATOM Definition Edge	Standard	70, 80, 100, 120, 140
	SOMATOM Definition AS	Standard	70, 80, 100, 120, 140
	SOMATOM Definition AS+	Standard	70, 80, 100, 120, 140
SOMATOM Force	Standard	70, 80, 90, 100, 100, 120, 130, 140, 150	

	SOMATOM Confidence	Standard	70, 80, 100, 120, 140
	SOMATOM Drive	Standard	70, 80, 90, 100, 100, 120, 130, 140
	NAEOTOM Alpha	Standard	90, 120, 140
	Brilliance 64	Large	80, 120
Philips	Brilliance iCT	Large, Small	80, 120
	Ingenuity	Large	80, 120
	IQon Spectral CT	Medium	80, 100, 120, 140

*モデル名の「SOMATOM」および「Edition」はシステム内の選択時には省略

The model names "SOMATOM" and "Edition" are omitted when selecting within the system.

* 本書では登録パラメータの数値は小数点以下3桁までを記載

In this document, the values of registered parameters are rounded to three decimal places.

Table 2. Parameters related to dose index for Canon/Toshiba Aquilion 16

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-M-301	32mm(4x8mm)	32.0	0.184	ND	0.044
			32mm(16x2mm)	32.0	0.186	ND	0.044
			24mm	24.0	0.182	ND	0.043
			16mm(4x4mm)	16.0	0.189	ND	0.045
			16mm(16x1mm)	16.0	0.204	ND	0.048
			12mm	12.0	0.186	ND	0.044
			8mm(1x8mm)	8.0	0.204	ND	0.048
			8mm(4x2mm)	8.0	0.219	ND	0.052
			8mm(16x0.5mm)	8.0	0.241	ND	0.057
			6mm	6.0	0.206	ND	0.049
			4mm(1x4mm)	4.0	0.270	ND	0.064
			4mm(4x1mm)	4.0	0.303	ND	0.072
			2mm(1x2mm)	2.0	0.423	ND	0.101
			2mm(4x0.5mm)	2.0	0.454	ND	0.108
			1mm	1.0	0.719	ND	0.171
Large	100	100kV-M-301	32mm(4x8mm)	32.0	0.279	ND	0.079
			32mm(16x2mm)	32.0	0.282	ND	0.080
			24mm	24.0	0.276	ND	0.078
			16mm(4x4mm)	16.0	0.286	ND	0.081
			16mm(16x1mm)	16.0	0.309	ND	0.087
			12mm	12.0	0.282	ND	0.080
			8mm(1x8mm)	8.0	0.309	ND	0.087
			8mm(4x2mm)	8.0	0.332	ND	0.094
			8mm(16x0.5mm)	8.0	0.365	ND	0.103
			6mm	6.0	0.312	ND	0.088
			4mm(1x4mm)	4.0	0.408	ND	0.115
			4mm(4x1mm)	4.0	0.458	ND	0.129
			2mm(1x2mm)	2.0	0.641	ND	0.181
			2mm(4x0.5mm)	2.0	0.687	ND	0.194
			1mm	1.0	1.089	ND	0.308
Large	120	120kV-M-301	32mm(4x8mm)	32.0	0.385	ND	0.120
			32mm(16x2mm)	32.0	0.389	ND	0.121
			24mm	24.0	0.380	ND	0.119
			16mm(4x4mm)	16.0	0.394	ND	0.123
			16mm(16x1mm)	16.0	0.426	ND	0.133
			12mm	12.0	0.389	ND	0.121
			8mm(1x8mm)	8.0	0.426	ND	0.133
			8mm(4x2mm)	8.0	0.458	ND	0.143
			8mm(16x0.5mm)	8.0	0.504	ND	0.157
			6mm	6.0	0.431	ND	0.134
			4mm(1x4mm)	4.0	0.563	ND	0.176
			4mm(4x1mm)	4.0	0.632	ND	0.197
			2mm(1x2mm)	2.0	0.884	ND	0.276
			2mm(4x0.5mm)	2.0	0.948	ND	0.296
			1mm	1.0	1.502	ND	0.468
Large	135	135kV-M-301	32mm(4x8mm)	32.0	0.472	ND	0.160
			32mm(16x2mm)	32.0	0.477	ND	0.162
			24mm	24.0	0.466	ND	0.158
			16mm(4x4mm)	16.0	0.483	ND	0.164
			16mm(16x1mm)	16.0	0.522	ND	0.177
			12mm	12.0	0.477	ND	0.162
			8mm(1x8mm)	8.0	0.522	ND	0.177
			8mm(4x2mm)	8.0	0.561	ND	0.190
			8mm(16x0.5mm)	8.0	0.618	ND	0.210
			6mm	6.0	0.528	ND	0.179
			4mm(1x4mm)	4.0	0.691	ND	0.234
			4mm(4x1mm)	4.0	0.775	ND	0.263
			2mm(1x2mm)	2.0	1.084	ND	0.368
			2mm(4x0.5mm)	2.0	1.162	ND	0.394
			1mm	1.0	1.842	ND	0.625
Small	80	80kV-S-301	32mm(4x8mm)	32.0	0.134	0.079	ND
			32mm(16x2mm)	32.0	0.135	0.080	ND
			24mm	24.0	0.132	0.079	ND
			16mm(4x4mm)	16.0	0.137	0.081	ND
			16mm(16x1mm)	16.0	0.148	0.088	ND

			12mm	12.0	0.135	0.080	ND
			8mm(1x8mm)	8.0	0.148	0.088	ND
			8mm(4x2mm)	8.0	0.159	0.095	ND
			8mm(16x0.5mm)	8.0	0.175	0.104	ND
			6mm	6.0	0.150	0.089	ND
			4mm(1x4mm)	4.0	0.196	0.116	ND
			4mm(4x1mm)	4.0	0.220	0.131	ND
			2mm(1x2mm)	2.0	0.307	0.183	ND
			2mm(4x0.5mm)	2.0	0.329	0.196	ND
			1mm	1.0	0.522	0.310	ND
Small	100	100kV-S-301	32mm(4x8mm)	32.0	0.212	0.141	ND
			32mm(16x2mm)	32.0	0.215	0.143	ND
			24mm	24.0	0.210	0.139	ND
			16mm(4x4mm)	16.0	0.217	0.144	ND
			16mm(16x1mm)	16.0	0.235	0.156	ND
			12mm	12.0	0.215	0.143	ND
			8mm(1x8mm)	8.0	0.235	0.156	ND
			8mm(4x2mm)	8.0	0.253	0.168	ND
			8mm(16x0.5mm)	8.0	0.278	0.184	ND
			6mm	6.0	0.238	0.158	ND
			4mm(1x4mm)	4.0	0.311	0.206	ND
			4mm(4x1mm)	4.0	0.349	0.231	ND
			2mm(1x2mm)	2.0	0.488	0.324	ND
			2mm(4x0.5mm)	2.0	0.523	0.347	ND
			1mm	1.0	0.829	0.550	ND
Small	120	120kV-S-301	32mm(4x8mm)	32.0	0.304	0.218	ND
			32mm(16x2mm)	32.0	0.307	0.220	ND
			24mm	24.0	0.300	0.215	ND
			16mm(4x4mm)	16.0	0.311	0.223	ND
			16mm(16x1mm)	16.0	0.336	0.241	ND
			12mm	12.0	0.307	0.220	ND
			8mm(1x8mm)	8.0	0.336	0.241	ND
			8mm(4x2mm)	8.0	0.362	0.259	ND
			8mm(16x0.5mm)	8.0	0.398	0.285	ND
			6mm	6.0	0.340	0.244	ND
			4mm(1x4mm)	4.0	0.445	0.319	ND
			4mm(4x1mm)	4.0	0.499	0.358	ND
			2mm(1x2mm)	2.0	0.698	0.500	ND
			2mm(4x0.5mm)	2.0	0.748	0.536	ND
			1mm	1.0	1.186	0.850	ND
Small	135	135kV-S-301	32mm(4x8mm)	32.0	0.382	0.287	ND
			32mm(16x2mm)	32.0	0.386	0.290	ND
			24mm	24.0	0.377	0.283	ND
			16mm(4x4mm)	16.0	0.391	0.293	ND
			16mm(16x1mm)	16.0	0.422	0.317	ND
			12mm	12.0	0.386	0.290	ND
			8mm(1x8mm)	8.0	0.422	0.317	ND
			8mm(4x2mm)	8.0	0.454	0.341	ND
			8mm(16x0.5mm)	8.0	0.500	0.375	ND
			6mm	6.0	0.427	0.321	ND
			4mm(1x4mm)	4.0	0.559	0.420	ND
			4mm(4x1mm)	4.0	0.627	0.471	ND
			2mm(1x2mm)	2.0	0.877	0.658	ND
			2mm(4x0.5mm)	2.0	0.940	0.706	ND
			1mm	1.0	1.490	1.119	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on IMPACT 1.04.

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 3. Parameters related to dose index for Canon/Toshiba Aquilion 64

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Large	80	80kV-M-301	64x0.5mm	32.0	0.199	0.087	0.043			
			32x0.5mm	16.0	0.213	0.093	0.046			
			32x1.0mm	32.0	0.196	0.086	0.042			
			16x0.5mm	8.0	0.222	0.097	0.048			
			16x1.0mm	16.0	0.186	0.081	0.040			
			16x2.0mm	32.0	0.169	0.074	0.037			
			4x8.0mm	32.0	0.191	0.084	0.042			
			4x6.0mm	24.0	0.193	0.085	0.042			
			4x4.0mm	16.0	0.197	0.086	0.043			
			4x3.0mm	12.0	0.217	0.095	0.047			
			4x2.0mm	8.0	0.219	0.096	0.048			
			4x1.0mm	4.0	0.296	0.129	0.064			
			4x0.5mm	2.0	0.440	0.192	0.095			
			Large	100	100kV-M-301	64x0.5mm	32.0	0.317	0.157	0.077
						32x0.5mm	16.0	0.338	0.167	0.082
32x1.0mm	32.0	0.311				0.154	0.076			
16x0.5mm	8.0	0.353				0.174	0.086			
16x1.0mm	16.0	0.296				0.146	0.072			
16x2.0mm	32.0	0.269				0.133	0.065			
4x8.0mm	32.0	0.304				0.150	0.074			
4x6.0mm	24.0	0.308				0.152	0.075			
4x4.0mm	16.0	0.314				0.155	0.076			
4x3.0mm	12.0	0.345				0.171	0.084			
4x2.0mm	8.0	0.348				0.172	0.085			
4x1.0mm	4.0	0.471				0.233	0.114			
4x0.5mm	2.0	0.700				0.346	0.170			
Large	120	120kV-M-301				64x0.5mm	32.0	0.421	0.240	0.126
						32x0.5mm	16.0	0.449	0.256	0.134
			32x1.0mm	32.0	0.413	0.235	0.124			
			16x0.5mm	8.0	0.468	0.267	0.140			
			16x1.0mm	16.0	0.393	0.224	0.118			
			16x2.0mm	32.0	0.358	0.204	0.107			
			4x8.0mm	32.0	0.404	0.230	0.121			
			4x6.0mm	24.0	0.408	0.232	0.122			
			4x4.0mm	16.0	0.416	0.237	0.125			
			4x3.0mm	12.0	0.458	0.261	0.137			
			4x2.0mm	8.0	0.462	0.263	0.138			
			4x1.0mm	4.0	0.625	0.356	0.187			
			4x0.5mm	2.0	0.929	0.529	0.278			
			Large	135	135kV-M-301	64x0.5mm	32.0	0.530	0.312	0.154
						32x0.5mm	16.0	0.565	0.333	0.164
32x1.0mm	32.0	0.520				0.306	0.151			
16x0.5mm	8.0	0.590				0.347	0.171			
16x1.0mm	16.0	0.495				0.292	0.144			
16x2.0mm	32.0	0.450				0.265	0.131			
4x8.0mm	32.0	0.509				0.300	0.148			
4x6.0mm	24.0	0.514				0.303	0.150			
4x4.0mm	16.0	0.525				0.309	0.152			
4x3.0mm	12.0	0.577				0.340	0.168			
4x2.0mm	8.0	0.582				0.343	0.169			
4x1.0mm	4.0	0.787				0.464	0.229			
4x0.5mm	2.0	1.169				0.689	0.340			
Small	80	80kV-S-301				64x0.5mm	32.0	0.151	0.073	0.033
						32x0.5mm	16.0	0.162	0.078	0.035
			32x1.0mm	32.0	0.149	0.072	0.033			
			16x0.5mm	8.0	0.169	0.082	0.037			
			16x1.0mm	16.0	0.142	0.069	0.031			
			16x2.0mm	32.0	0.129	0.062	0.028			
			4x8.0mm	32.0	0.145	0.070	0.032			
			4x6.0mm	24.0	0.147	0.071	0.032			
			4x4.0mm	16.0	0.150	0.073	0.033			
			4x3.0mm	12.0	0.165	0.080	0.036			
			4x2.0mm	8.0	0.166	0.081	0.037			
			4x1.0mm	4.0	0.225	0.109	0.049			
			4x0.5mm	2.0	0.334	0.162	0.073			

Small	100	100kV-S-301	64x0.5mm	32.0	0.241	0.132	0.059			
			32x0.5mm	16.0	0.257	0.141	0.063			
			32x1.0mm	32.0	0.236	0.129	0.058			
			16x0.5mm	8.0	0.268	0.147	0.066			
			16x1.0mm	16.0	0.225	0.123	0.056			
			16x2.0mm	32.0	0.205	0.112	0.050			
			4x8.0mm	32.0	0.231	0.127	0.057			
			4x6.0mm	24.0	0.234	0.128	0.058			
			4x4.0mm	16.0	0.239	0.131	0.059			
			4x3.0mm	12.0	0.262	0.144	0.065			
			4x2.0mm	8.0	0.265	0.145	0.065			
			4x1.0mm	4.0	0.358	0.196	0.088			
			4x0.5mm	2.0	0.532	0.291	0.131			
			Small	120	120kV-S-301	64x0.5mm	32.0	0.330	0.202	0.091
						32x0.5mm	16.0	0.352	0.215	0.098
			32x1.0mm	32.0	0.324	0.198	0.090			
			16x0.5mm	8.0	0.367	0.224	0.102			
			16x1.0mm	16.0	0.309	0.188	0.085			
			16x2.0mm	32.0	0.281	0.171	0.078			
			4x8.0mm	32.0	0.317	0.194	0.088			
			4x6.0mm	24.0	0.320	0.196	0.089			
			4x4.0mm	16.0	0.327	0.200	0.091			
			4x3.0mm	12.0	0.359	0.220	0.100			
			4x2.0mm	8.0	0.363	0.222	0.100			
			4x1.0mm	4.0	0.490	0.300	0.136			
			4x0.5mm	2.0	0.729	0.445	0.202			
Small	135	135kV-S-301	64x0.5mm	32.0	0.403	0.263	0.119			
			32x0.5mm	16.0	0.430	0.280	0.127			
			32x1.0mm	32.0	0.395	0.258	0.117			
			16x0.5mm	8.0	0.448	0.293	0.133			
			16x1.0mm	16.0	0.376	0.246	0.111			
			16x2.0mm	32.0	0.342	0.223	0.101			
			4x8.0mm	32.0	0.387	0.252	0.114			
			4x6.0mm	24.0	0.391	0.255	0.116			
			4x4.0mm	16.0	0.399	0.260	0.118			
			4x3.0mm	12.0	0.438	0.286	0.130			
			4x2.0mm	8.0	0.443	0.289	0.131			
			4x1.0mm	4.0	0.598	0.390	0.177			
			4x0.5mm	2.0	0.889	0.580	0.263			

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion CXL 取扱説明書 (2B201-596JA*C) 及び千葉大学医学部附属病院笠原氏の実測値より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 4. Parameters related to dose index for Canon/Toshiba Aquilion CXL Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-M-301	1x1mm	1.0	0.769	0.337	0.167
			4x0.5mm	2.0	0.481	0.211	0.104
			4x4mm	16.0	0.197	0.086	0.043
			4x8mm	32.0	0.181	0.079	0.039
			32x1mm	32.0	0.189	0.083	0.041
Large	100	100kV-M-301	1x1mm	1.0	1.224	0.605	0.298
			4x0.5mm	2.0	0.766	0.378	0.186
			4x4mm	16.0	0.314	0.155	0.076
			4x8mm	32.0	0.289	0.143	0.070
			32x1mm	32.0	0.301	0.149	0.073
Large	120	120kV-M-301	1x1mm	1.0	1.677	0.925	0.457
			4x0.5mm	2.0	1.049	0.579	0.286
			4x4mm	16.0	0.430	0.237	0.117
			4x8mm	32.0	0.396	0.218	0.108
			32x1mm	32.0	0.413	0.228	0.113
Large	135	135kV-M-301	1x1mm	1.0	2.046	1.205	0.595
			4x0.5mm	2.0	1.280	0.754	0.372
			4x4mm	16.0	0.525	0.309	0.153
			4x8mm	32.0	0.483	0.284	0.140
			32x1mm	32.0	0.504	0.297	0.146
Small	80	80kV-S-301	1x1mm	1.0	0.585	0.283	0.128
			4x0.5mm	2.0	0.366	0.177	0.080
			4x4mm	16.0	0.150	0.073	0.033
			4x8mm	32.0	0.138	0.067	0.030
			32x1mm	32.0	0.144	0.070	0.032
Small	100	100kV-S-301	1x1mm	1.0	0.930	0.509	0.229
			4x0.5mm	2.0	0.582	0.319	0.143
			4x4mm	16.0	0.239	0.131	0.059
			4x8mm	32.0	0.219	0.120	0.054
			32x1mm	32.0	0.229	0.125	0.056
Small	120	120kV-S-301	1x1mm	1.0	1.275	0.779	0.353
			4x0.5mm	2.0	0.797	0.487	0.221
			4x4mm	16.0	0.327	0.200	0.091
			4x8mm	32.0	0.301	0.184	0.083
			32x1mm	32.0	0.314	0.192	0.087
Small	135	135kV-S-301	1x1mm	1.0	1.555	1.015	0.460
			4x0.5mm	2.0	0.973	0.635	0.288
			4x4mm	16.0	0.399	0.260	0.118
			4x8mm	32.0	0.367	0.239	0.108
			32x1mm	32.0	0.383	0.250	0.113

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion CXL 取扱説明書 (2B201-596JA*C) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 5. Parameters related to dose index for Canon/Toshiba Aquilion LB

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-M-301	16x0.5mm	8.0	0.198	ND	0.045
			16x1mm	16.0	0.165	ND	0.037
			16x2mm	32.0	0.129	ND	0.029
			4x0.5mm	2.0	0.397	ND	0.090
			4x1mm	4.0	0.259	ND	0.059
			4x2mm	8.0	0.186	ND	0.042
			4x3mm	12.0	0.178	ND	0.040
			4x4mm	16.0	0.160	ND	0.036
			4x6mm	24.0	0.158	ND	0.036
			4x8mm	32.0	0.150	ND	0.034
			1x1mm	1.0	0.653	ND	0.148
			1x2mm	2.0	0.375	ND	0.085
			1x4mm	4.0	0.231	ND	0.053
			1x6mm	6.0	0.213	ND	0.048
			1x8mm	8.0	0.178	ND	0.040
Large	100	100kV-M-301	16x0.5mm	8.0	0.294	ND	0.079
			16x1mm	16.0	0.244	ND	0.066
			16x2mm	32.0	0.191	ND	0.051
			4x0.5mm	2.0	0.588	ND	0.159
			4x1mm	4.0	0.383	ND	0.103
			4x2mm	8.0	0.275	ND	0.074
			4x3mm	12.0	0.264	ND	0.071
			4x4mm	16.0	0.237	ND	0.064
			4x6mm	24.0	0.234	ND	0.063
			4x8mm	32.0	0.222	ND	0.060
			1x1mm	1.0	0.967	ND	0.261
			1x2mm	2.0	0.556	ND	0.150
			1x4mm	4.0	0.343	ND	0.092
			1x6mm	6.0	0.315	ND	0.085
			1x8mm	8.0	0.263	ND	0.071
Large	120	120kV-M-301	16x0.5mm	8.0	0.397	ND	0.119
			16x1mm	16.0	0.330	ND	0.099
			16x2mm	32.0	0.258	ND	0.077
			4x0.5mm	2.0	0.796	ND	0.238
			4x1mm	4.0	0.519	ND	0.156
			4x2mm	8.0	0.372	ND	0.112
			4x3mm	12.0	0.357	ND	0.107
			4x4mm	16.0	0.320	ND	0.096
			4x6mm	24.0	0.317	ND	0.095
			4x8mm	32.0	0.300	ND	0.090
			1x1mm	1.0	1.308	ND	0.392
			1x2mm	2.0	0.752	ND	0.225
			1x4mm	4.0	0.463	ND	0.139
			1x6mm	6.0	0.426	ND	0.128
			1x8mm	8.0	0.356	ND	0.107
Large	135	135kV-M-301	16x0.5mm	8.0	0.482	ND	0.154
			16x1mm	16.0	0.400	ND	0.128
			16x2mm	32.0	0.313	ND	0.100
			4x0.5mm	2.0	0.966	ND	0.309
			4x1mm	4.0	0.630	ND	0.201
			4x2mm	8.0	0.452	ND	0.145
			4x3mm	12.0	0.434	ND	0.139
			4x4mm	16.0	0.389	ND	0.124
			4x6mm	24.0	0.385	ND	0.123
			4x8mm	32.0	0.364	ND	0.116
			1x1mm	1.0	1.588	ND	0.507
			1x2mm	2.0	0.913	ND	0.292
			1x4mm	4.0	0.563	ND	0.180
			1x6mm	6.0	0.518	ND	0.165
			1x8mm	8.0	0.432	ND	0.138
Small	80	80kV-S-301	16x0.5mm	8.0	0.135	0.072	ND
			16x1mm	16.0	0.112	0.060	ND
			16x2mm	32.0	0.088	0.047	ND
			4x0.5mm	2.0	0.271	0.145	ND
			4x1mm	4.0	0.177	0.095	ND

			4x2mm	8.0	0.127	0.068	ND
			4x3mm	12.0	0.122	0.065	ND
			4x4mm	16.0	0.109	0.058	ND
			4x6mm	24.0	0.108	0.058	ND
			4x8mm	32.0	0.102	0.055	ND
			1x1mm	1.0	0.446	0.238	ND
			1x2mm	2.0	0.256	0.137	ND
			1x4mm	4.0	0.158	0.084	ND
			1x6mm	6.0	0.145	0.078	ND
			1x8mm	8.0	0.121	0.065	ND
Small	100	100kV-S-301	16x0.5mm	8.0	0.216	0.129	ND
			16x1mm	16.0	0.179	0.107	ND
			16x2mm	32.0	0.140	0.084	ND
			4x0.5mm	2.0	0.432	0.259	ND
			4x1mm	4.0	0.282	0.169	ND
			4x2mm	8.0	0.202	0.121	ND
			4x3mm	12.0	0.194	0.116	ND
			4x4mm	16.0	0.174	0.104	ND
			4x6mm	24.0	0.172	0.103	ND
			4x8mm	32.0	0.163	0.097	ND
			1x1mm	1.0	0.711	0.425	ND
			1x2mm	2.0	0.409	0.244	ND
			1x4mm	4.0	0.252	0.151	ND
			1x6mm	6.0	0.232	0.139	ND
			1x8mm	8.0	0.193	0.116	ND
Small	120	120kV-S-301	16x0.5mm	8.0	0.308	0.195	ND
			16x1mm	16.0	0.256	0.162	ND
			16x2mm	32.0	0.200	0.127	ND
			4x0.5mm	2.0	0.617	0.391	ND
			4x1mm	4.0	0.402	0.255	ND
			4x2mm	8.0	0.289	0.183	ND
			4x3mm	12.0	0.277	0.176	ND
			4x4mm	16.0	0.248	0.157	ND
			4x6mm	24.0	0.246	0.156	ND
			4x8mm	32.0	0.233	0.147	ND
			1x1mm	1.0	1.014	0.643	ND
			1x2mm	2.0	0.583	0.369	ND
			1x4mm	4.0	0.359	0.228	ND
			1x6mm	6.0	0.331	0.210	ND
			1x8mm	8.0	0.276	0.175	ND
Small	135	135kV-S-301	16x0.5mm	8.0	0.387	0.252	ND
			16x1mm	16.0	0.321	0.209	ND
			16x2mm	32.0	0.251	0.164	ND
			4x0.5mm	2.0	0.775	0.505	ND
			4x1mm	4.0	0.506	0.330	ND
			4x2mm	8.0	0.363	0.237	ND
			4x3mm	12.0	0.348	0.227	ND
			4x4mm	16.0	0.312	0.203	ND
			4x6mm	24.0	0.309	0.201	ND
			4x8mm	32.0	0.292	0.191	ND
			1x1mm	1.0	1.275	0.831	ND
			1x2mm	2.0	0.733	0.478	ND
			1x4mm	4.0	0.452	0.294	ND
			1x6mm	6.0	0.416	0.271	ND
			1x8mm	8.0	0.347	0.226	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ は福井県率病院南氏の実測値より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table6. Parameters related to dose index for Canon/Toshiba Alexion

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Medium	80	80kV-M-302	4mm(4x1mm)	4.0	0.370	0.168	0.070
			8mm(4x2mm)	8.0	0.270	0.122	0.051
			12mm(4x3mm)	12.0	0.237	0.108	0.045
			16mm(4x4mm)	16.0	0.218	0.099	0.041
			10mm(2x5mm)	10.0	0.252	0.115	0.048
			16mm(2x8mm)	16.0	0.218	0.099	0.041
			2mm(1x2mm)	2.0	0.577	0.262	0.109
			4mm(1x4mm)	4.0	0.370	0.168	0.070
			6mm(1x6mm)	6.0	0.305	0.138	0.058
			16mm(16x1mm)	16.0	0.218	0.099	0.041
Medium	100	100kV-M-302	4mm(4x1mm)	4.0	0.559	0.303	0.127
			8mm(4x2mm)	8.0	0.407	0.221	0.093
			12mm(4x3mm)	12.0	0.358	0.194	0.082
			16mm(4x4mm)	16.0	0.329	0.178	0.075
			10mm(2x5mm)	10.0	0.381	0.207	0.087
			16mm(2x8mm)	16.0	0.329	0.178	0.075
			2mm(1x2mm)	2.0	0.871	0.472	0.199
			4mm(1x4mm)	4.0	0.559	0.303	0.127
			6mm(1x6mm)	6.0	0.460	0.249	0.105
			16mm(16x1mm)	16.0	0.329	0.178	0.075
Medium	120	120kV-M-302	4mm(4x1mm)	4.0	0.755	0.440	0.191
			8mm(4x2mm)	8.0	0.551	0.321	0.140
			12mm(4x3mm)	12.0	0.484	0.282	0.123
			16mm(4x4mm)	16.0	0.444	0.259	0.113
			10mm(2x5mm)	10.0	0.515	0.300	0.131
			16mm(2x8mm)	16.0	0.444	0.259	0.113
			2mm(1x2mm)	2.0	1.177	0.686	0.298
			4mm(1x4mm)	4.0	0.755	0.440	0.191
			6mm(1x6mm)	6.0	0.622	0.363	0.158
			16mm(16x1mm)	16.0	0.444	0.259	0.113
Medium	135	135kV-M-302	4mm(4x1mm)	4.0	0.921	0.547	0.249
			8mm(4x2mm)	8.0	0.672	0.399	0.182
			12mm(4x3mm)	12.0	0.590	0.350	0.160
			16mm(4x4mm)	16.0	0.542	0.321	0.147
			10mm(2x5mm)	10.0	0.628	0.373	0.170
			16mm(2x8mm)	16.0	0.542	0.321	0.147
			2mm(1x2mm)	2.0	1.435	0.852	0.389
			4mm(1x4mm)	4.0	0.921	0.547	0.249
			6mm(1x6mm)	6.0	0.758	0.450	0.205
			16mm(16x1mm)	16.0	0.542	0.321	0.147

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Alexion (TSX-032A) (2B201-467JA*J) 取扱説明書より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Medium

[Head]: Medium

Table 7. Parameters related to dose index for Canon/Toshiba Alexion Access Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Medium	80	80kV-M-302	4mm(4x1mm)	4	0.325	0.146	0.058
			8mm(4x2mm)	8	0.235	0.105	0.042
			12mm(4x4mm)	12	0.201	0.090	0.036
			16mm(4x4mm)	16	0.181	0.081	0.032
Medium	100	100kV-M-302	4mm(4x1mm)	4	0.491	0.266	0.112
			8mm(4x2mm)	8	0.355	0.192	0.081
			12mm(4x4mm)	12	0.303	0.164	0.069
			16mm(4x4mm)	16	0.273	0.148	0.062
Medium	120	120kV-M-302	4mm(4x1mm)	4	0.678	0.394	0.174
			8mm(4x2mm)	8	0.489	0.284	0.126
			12mm(4x4mm)	12	0.418	0.243	0.107
			16mm(4x4mm)	16	0.377	0.219	0.097
Medium	135	135kV-M-302	4mm(4x1mm)	4	0.827	0.505	0.227
			8mm(4x2mm)	8	0.597	0.364	0.164
			12mm(4x4mm)	12	0.510	0.311	0.140
			16mm(4x4mm)	16	0.460	0.281	0.126

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Alexion Access (TSX-033A) 取扱説明書より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Medium

[Head]: Medium

Table 8. Parameters related to dose index for Canon/Toshiba Aquilion Lightning

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-M-301	4x0.5mm	2	0.674	0.282	0.128
			4x1mm	4	0.400	0.168	0.076
			4x2mm	8	0.269	0.113	0.051
			4x3mm	12	0.251	0.105	0.047
			4x4mm	16	0.230	0.096	0.044
			10x2mm	20	0.216	0.091	0.041
			1x1mm	1	1.179	0.494	0.223
			1x2mm	2	0.641	0.269	0.122
			1x4mm	4	0.368	0.154	0.070
			1x6mm	6	0.322	0.135	0.061
			1x8mm	8	0.269	0.113	0.051
			16x0.5mm	8	0.297	0.124	0.056
			16x1mm	16	0.232	0.097	0.044
			3x1mm	3	0.494	0.207	0.094
			3x2mm	6	0.322	0.135	0.061
			3x4mm	12	0.241	0.101	0.046
Large	100	100kV-M-301	4x0.5mm	2	1.004	0.548	0.259
			4x1mm	4	0.596	0.325	0.154
			4x2mm	8	0.401	0.219	0.103
			4x3mm	12	0.373	0.204	0.096
			4x4mm	16	0.343	0.187	0.088
			10x2mm	20	0.322	0.176	0.083
			1x1mm	1	1.757	0.959	0.453
			1x2mm	2	0.956	0.521	0.246
			1x4mm	4	0.548	0.299	0.141
			1x6mm	6	0.480	0.262	0.124
			1x8mm	8	0.401	0.219	0.103
			16x0.5mm	8	0.442	0.241	0.114
			16x1mm	16	0.346	0.189	0.089
			3x1mm	3	0.736	0.402	0.190
			3x2mm	6	0.480	0.262	0.124
			3x4mm	12	0.360	0.196	0.093
Large	120	120kV-M-301	4x0.5mm	2	1.375	0.804	0.393
			4x1mm	4	0.816	0.477	0.233
			4x2mm	8	0.549	0.321	0.157
			4x3mm	12	0.511	0.299	0.146
			4x4mm	16	0.469	0.274	0.134
			10x2mm	20	0.441	0.258	0.126
			1x1mm	1	2.407	1.408	0.688
			1x2mm	2	1.309	0.766	0.374
			1x4mm	4	0.751	0.439	0.214
			1x6mm	6	0.657	0.384	0.188
			1x8mm	8	0.549	0.321	0.157
			16x0.5mm	8	0.605	0.354	0.173
			16x1mm	16	0.474	0.277	0.135
			3x1mm	3	1.009	0.590	0.288
			3x2mm	6	0.657	0.384	0.188
			3x4mm	12	0.493	0.288	0.141
Large	135	135kV-M-301	4x0.5mm	2	1.663	1.029	0.517
			4x1mm	4	0.988	0.611	0.307
			4x2mm	8	0.664	0.411	0.207
			4x3mm	12	0.619	0.383	0.192
			4x4mm	16	0.568	0.351	0.177
			10x2mm	20	0.534	0.330	0.166
			1x1mm	1	2.912	1.802	0.906
			1x2mm	2	1.584	0.980	0.493
			1x4mm	4	0.908	0.562	0.283
			1x6mm	6	0.795	0.492	0.247
			1x8mm	8	0.664	0.411	0.207
			16x0.5mm	8	0.732	0.453	0.228
			16x1mm	16	0.573	0.355	0.178
			3x1mm	3	1.221	0.755	0.380
			3x2mm	6	0.795	0.492	0.247
			3x4mm	12	0.596	0.369	0.185
Small	80	80kV-M-302	4x0.5mm	2	0.660	0.271	0.111

			4x1mm	4	0.392	0.161	0.066
			4x2mm	8	0.264	0.108	0.044
			4x3mm	12	0.246	0.101	0.041
			4x4mm	16	0.225	0.092	0.038
			10x2mm	20	0.212	0.087	0.036
			1x1mm	1	1.156	0.474	0.194
			1x2mm	2	0.629	0.258	0.106
			1x4mm	4	0.361	0.148	0.061
			1x6mm	6	0.316	0.129	0.053
			1x8mm	8	0.264	0.108	0.044
			16x0.5mm	8	0.291	0.119	0.049
			16x1mm	16	0.228	0.093	0.038
			3x1mm	3	0.485	0.199	0.081
			3x2mm	6	0.316	0.129	0.053
			3x4mm	12	0.237	0.097	0.040
Small	100	100kV-M-302	4x0.5mm	2	0.984	0.526	0.225
			4x1mm	4	0.584	0.312	0.134
			4x2mm	8	0.393	0.210	0.090
			4x3mm	12	0.366	0.196	0.084
			4x4mm	16	0.336	0.180	0.077
			10x2mm	20	0.316	0.169	0.072
			1x1mm	1	1.723	0.921	0.395
			1x2mm	2	0.937	0.501	0.215
			1x4mm	4	0.537	0.287	0.123
			1x6mm	6	0.470	0.251	0.108
			1x8mm	8	0.393	0.210	0.090
			16x0.5mm	8	0.433	0.232	0.099
			16x1mm	16	0.339	0.181	0.078
			3x1mm	3	0.722	0.386	0.165
			3x2mm	6	0.470	0.251	0.108
			3x4mm	12	0.353	0.188	0.081
Small	120	120kV-M-302	4x0.5mm	2	1.348	0.773	0.343
			4x1mm	4	0.800	0.459	0.204
			4x2mm	8	0.538	0.308	0.137
			4x3mm	12	0.501	0.287	0.128
			4x4mm	16	0.460	0.264	0.117
			10x2mm	20	0.432	0.248	0.110
			1x1mm	1	2.360	1.353	0.600
			1x2mm	2	1.283	0.736	0.326
			1x4mm	4	0.736	0.422	0.187
			1x6mm	6	0.644	0.369	0.164
			1x8mm	8	0.538	0.308	0.137
			16x0.5mm	8	0.593	0.340	0.151
			16x1mm	16	0.465	0.266	0.118
			3x1mm	3	0.989	0.567	0.252
			3x2mm	6	0.644	0.369	0.164
			3x4mm	12	0.483	0.277	0.123
Small	135	135kV-M-302	4x0.5mm	2	1.631	0.989	0.452
			4x1mm	4	0.968	0.587	0.268
			4x2mm	8	0.651	0.395	0.180
			4x3mm	12	0.607	0.368	0.168
			4x4mm	16	0.557	0.337	0.154
			10x2mm	20	0.523	0.317	0.145
			1x1mm	1	2.855	1.731	0.791
			1x2mm	2	1.553	0.942	0.430
			1x4mm	4	0.891	0.540	0.247
			1x6mm	6	0.779	0.472	0.216
			1x8mm	8	0.651	0.395	0.180
			16x0.5mm	8	0.718	0.435	0.199
			16x1mm	16	0.562	0.341	0.156
			3x1mm	3	1.197	0.726	0.332
			3x2mm	6	0.779	0.472	0.216
			3x4mm	12	0.584	0.354	0.162

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Lightning (TSX-035A) 取扱説明書(2B201-902JA*A)[X線管装置 5.0MHU]システムの場合より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 9. Parameters related to dose index for Canon/Toshiba Aquilion Lightning Helios Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Large	80	80kV-L-303	4x0.5mm(Conventional)	2	0.476	0.202	0.110			
			4x1mm(Conventional)	4	0.287	0.122	0.066			
			4x2mm(Conventional)	8	0.189	0.080	0.044			
			4x3mm(Conventional)	12	0.159	0.067	0.037			
			4x4mm(Conventional)	16	0.142	0.060	0.033			
			4x5mm(Conventional)	20	0.145	0.061	0.033			
			4x8mm(Conventional)	32	0.119	0.051	0.028			
			4x10mm(Conventional)	40	0.121	0.051	0.028			
			1x1mm(Conventional)	1	0.845	0.358	0.195			
			1x2mm(CTF)	2	0.459	0.194	0.106			
			1x4mm(CTF)	4	0.249	0.105	0.057			
			1x6mm(CTF)	6	0.213	0.090	0.049			
			1x8mm(CTF)	8	0.189	0.080	0.044			
			3x2mm(CTF)	6	0.213	0.090	0.049			
			3x4mm(CTF)	12	0.154	0.065	0.035			
			3x6mm(CTF)	18	0.132	0.056	0.030			
			3x8mm(CTF)	24	0.122	0.052	0.028			
			16x0.5mm(Volume)	8	0.201	0.085	0.046			
			20x0.5mm(Volume)	10	0.182	0.077	0.042			
			20x2mm(Volume)	40	0.121	0.051	0.028			
			32x0.5mm(Volume)	16	0.152	0.064	0.035			
			40x0.5mm(Volume)	20	0.145	0.061	0.033			
			40x1mm(Volume)	40	0.121	0.051	0.028			
			80x0.5mm(Volume)	40	0.121	0.051	0.028			
			8x0.5mm(SURE)	4	0.292	0.123	0.067			
			16x1mm(Helical)	16	0.152	0.064	0.035			
			20x1mm(Helical)	20	0.145	0.061	0.033			
			32x1mm(Helical)	32	0.131	0.055	0.030			
			64x0.5mm(Helical)	32	0.132	0.056	0.030			
			Large	100	100kV-L-303	4x0.5mm(Conventional)	2	0.699	0.415	0.217
						4x1mm(Conventional)	4	0.421	0.250	0.131
						4x2mm(Conventional)	8	0.277	0.165	0.086
4x3mm(Conventional)	12	0.234				0.139	0.072			
4x4mm(Conventional)	16	0.209				0.124	0.065			
4x5mm(Conventional)	20	0.213				0.126	0.066			
4x8mm(Conventional)	32	0.175				0.104	0.054			
4x10mm(Conventional)	40	0.177				0.105	0.055			
1x1mm(Conventional)	1	1.239				0.735	0.384			
1x2mm(CTF)	2	0.674				0.400	0.209			
1x4mm(CTF)	4	0.365				0.217	0.113			
1x6mm(CTF)	6	0.313				0.186	0.097			
1x8mm(CTF)	8	0.277				0.165	0.086			
3x2mm(CTF)	6	0.313				0.186	0.097			
3x4mm(CTF)	12	0.225				0.134	0.070			
3x6mm(CTF)	18	0.194				0.115	0.060			
3x8mm(CTF)	24	0.179				0.106	0.056			
16x0.5mm(Volume)	8	0.294				0.175	0.091			
20x0.5mm(Volume)	10	0.267				0.158	0.083			
20x2mm(Volume)	40	0.177				0.105	0.055			
32x0.5mm(Volume)	16	0.223				0.132	0.069			
40x0.5mm(Volume)	20	0.213				0.126	0.066			
40x1mm(Volume)	40	0.177				0.105	0.055			
80x0.5mm(Volume)	40	0.177				0.105	0.055			
8x0.5mm(SURE)	4	0.428				0.254	0.133			
16x1mm(Helical)	16	0.223				0.132	0.069			
20x1mm(Helical)	20	0.213				0.126	0.066			
32x1mm(Helical)	32	0.192				0.114	0.060			
64x0.5mm(Helical)	32	0.194				0.115	0.060			
Large	120	120kV-L-304				4x0.5mm(Conventional)	2	0.890	0.591	0.298
						4x1mm(Conventional)	4	0.569	0.378	0.190
						4x2mm(Conventional)	8	0.395	0.262	0.132
			4x3mm(Conventional)	12	0.342	0.227	0.114			
			4x4mm(Conventional)	16	0.316	0.210	0.106			
			4x5mm(Conventional)	20	0.321	0.213	0.107			
			4x8mm(Conventional)	32	0.279	0.185	0.093			
			4x10mm(Conventional)	40	0.279	0.185	0.093			

			1x1mm(Conventional)	1	1.490	0.990	0.498
			1x2mm(CTF)	2	0.880	0.584	0.294
			1x4mm(CTF)	4	0.479	0.318	0.160
			1x6mm(CTF)	6	0.442	0.294	0.148
			1x8mm(CTF)	8	0.395	0.262	0.132
			3x2mm(CTF)	6	0.442	0.294	0.148
			3x4mm(CTF)	12	0.332	0.220	0.111
			3x6mm(CTF)	18	0.295	0.196	0.099
			3x8mm(CTF)	24	0.279	0.185	0.093
			16x0.5mm(Volume)	8	0.416	0.276	0.139
			20x0.5mm(Volume)	10	0.384	0.255	0.129
			20x2mm(Volume)	40	0.279	0.185	0.093
			32x0.5mm(Volume)	16	0.342	0.227	0.114
			40x0.5mm(Volume)	20	0.327	0.217	0.109
			40x1mm(Volume)	40	0.279	0.185	0.093
			80x0.5mm(Volume)	40	0.279	0.185	0.093
			8x0.5mm(SURE)	4	0.585	0.388	0.195
			16x1mm(Helical)	16	0.337	0.224	0.113
			20x1mm(Helical)	20	0.321	0.213	0.107
			32x1mm(Helical)	32	0.300	0.199	0.100
			64x0.5mm(Helical)	32	0.305	0.203	0.102
Large	135	135kV-L-303	4x0.5mm(Conventional)	2	1.366	0.958	0.481
			4x1mm(Conventional)	4	0.823	0.578	0.290
			4x2mm(Conventional)	8	0.542	0.380	0.191
			4x3mm(Conventional)	12	0.457	0.320	0.161
			4x4mm(Conventional)	16	0.408	0.286	0.143
			4x5mm(Conventional)	20	0.416	0.292	0.146
			4x8mm(Conventional)	32	0.342	0.240	0.121
			4x10mm(Conventional)	40	0.346	0.243	0.122
			1x1mm(Conventional)	1	2.421	1.699	0.852
			1x2mm(CTF)	2	1.317	0.924	0.463
			1x4mm(CTF)	4	0.713	0.501	0.251
			1x6mm(CTF)	6	0.611	0.429	0.215
			1x8mm(CTF)	8	0.542	0.380	0.191
			3x2mm(CTF)	6	0.611	0.429	0.215
			3x4mm(CTF)	12	0.440	0.309	0.155
			3x6mm(CTF)	18	0.379	0.266	0.133
			3x8mm(CTF)	24	0.351	0.246	0.123
			16x0.5mm(Volume)	8	0.575	0.403	0.202
			20x0.5mm(Volume)	10	0.522	0.366	0.184
			20x2mm(Volume)	40	0.346	0.243	0.122
			32x0.5mm(Volume)	16	0.436	0.306	0.154
			40x0.5mm(Volume)	20	0.416	0.292	0.146
			40x1mm(Volume)	40	0.346	0.243	0.122
			80x0.5mm(Volume)	40	0.346	0.243	0.122
			8x0.5mm(SURE)	4	0.836	0.586	0.294
			16x1mm(Helical)	16	0.436	0.306	0.154
			20x1mm(Helical)	20	0.416	0.292	0.146
			32x1mm(Helical)	32	0.375	0.263	0.132
			64x0.5mm(Helical)	32	0.379	0.266	0.133
Medium	80	80kV-S-304	4x0.5mm(Conventional)	2	0.340	0.155	0.078
			4x1mm(Conventional)	4	0.205	0.093	0.047
			4x2mm(Conventional)	8	0.135	0.062	0.031
			4x3mm(Conventional)	12	0.114	0.052	0.026
			4x4mm(Conventional)	16	0.102	0.046	0.023
			4x5mm(Conventional)	20	0.104	0.047	0.024
			4x8mm(Conventional)	32	0.085	0.039	0.019
			4x10mm(Conventional)	40	0.086	0.039	0.020
			1x1mm(Conventional)	1	0.603	0.275	0.138
			1x2mm(CTF)	2	0.328	0.149	0.075
			1x4mm(CTF)	4	0.178	0.081	0.041
			1x6mm(CTF)	6	0.152	0.069	0.035
			1x8mm(CTF)	8	0.135	0.062	0.031
			3x2mm(CTF)	6	0.152	0.069	0.035
			3x4mm(CTF)	12	0.110	0.050	0.025
			3x6mm(CTF)	18	0.095	0.043	0.022
			3x8mm(CTF)	24	0.087	0.040	0.020
			16x0.5mm(Volume)	8	0.143	0.065	0.033
			20x0.5mm(Volume)	10	0.130	0.059	0.030
			20x2mm(Volume)	40	0.086	0.039	0.020
			32x0.5mm(Volume)	16	0.109	0.049	0.025

			40x0.5mm(Volume)	20	0.104	0.047	0.024
			40x1mm(Volume)	40	0.086	0.039	0.020
			80x0.5mm(Volume)	40	0.086	0.039	0.020
			8x0.5mm(SURE)	4	0.208	0.095	0.047
			16x1mm(Helical)	16	0.109	0.049	0.025
			20x1mm(Helical)	20	0.104	0.047	0.024
			32x1mm(Helical)	32	0.093	0.043	0.021
			64x0.5mm(Helical)	32	0.095	0.043	0.022
Medium	100	100kV-S-304	4x0.5mm(Conventional)	2	0.499	0.319	0.154
			4x1mm(Conventional)	4	0.301	0.192	0.093
			4x2mm(Conventional)	8	0.198	0.127	0.061
			4x3mm(Conventional)	12	0.167	0.107	0.051
			4x4mm(Conventional)	16	0.149	0.095	0.046
			4x5mm(Conventional)	20	0.152	0.097	0.047
			4x8mm(Conventional)	32	0.125	0.080	0.039
			4x10mm(Conventional)	40	0.127	0.081	0.039
			1x1mm(Conventional)	1	0.885	0.565	0.272
			1x2mm(CTF)	2	0.481	0.307	0.148
			1x4mm(CTF)	4	0.261	0.167	0.080
			1x6mm(CTF)	6	0.223	0.143	0.069
			1x8mm(CTF)	8	0.198	0.127	0.061
			3x2mm(CTF)	6	0.223	0.143	0.069
			3x4mm(CTF)	12	0.161	0.103	0.050
			3x6mm(CTF)	18	0.139	0.089	0.043
			3x8mm(CTF)	24	0.128	0.082	0.039
			16x0.5mm(Volume)	8	0.210	0.134	0.065
			20x0.5mm(Volume)	10	0.191	0.122	0.059
			20x2mm(Volume)	40	0.127	0.081	0.039
			32x0.5mm(Volume)	16	0.159	0.102	0.049
			40x0.5mm(Volume)	20	0.152	0.097	0.047
			40x1mm(Volume)	40	0.127	0.081	0.039
			80x0.5mm(Volume)	40	0.127	0.081	0.039
			8x0.5mm(SURE)	4	0.305	0.195	0.094
			16x1mm(Helical)	16	0.159	0.102	0.049
			20x1mm(Helical)	20	0.152	0.097	0.047
			32x1mm(Helical)	32	0.137	0.088	0.042
			64x0.5mm(Helical)	32	0.139	0.089	0.043
Medium	120	120kV-S-304	4x0.5mm(Conventional)	2	0.756	0.540	0.251
			4x1mm(Conventional)	4	0.456	0.326	0.151
			4x2mm(Conventional)	8	0.300	0.215	0.100
			4x3mm(Conventional)	12	0.253	0.181	0.084
			4x4mm(Conventional)	16	0.226	0.161	0.075
			4x5mm(Conventional)	20	0.230	0.165	0.076
			4x8mm(Conventional)	32	0.190	0.136	0.063
			4x10mm(Conventional)	40	0.192	0.137	0.064
			1x1mm(Conventional)	1	1.341	0.958	0.445
			1x2mm(CTF)	2	0.729	0.521	0.242
			1x4mm(CTF)	4	0.395	0.282	0.131
			1x6mm(CTF)	6	0.339	0.242	0.112
			1x8mm(CTF)	8	0.300	0.215	0.100
			3x2mm(CTF)	6	0.339	0.242	0.112
			3x4mm(CTF)	12	0.244	0.174	0.081
			3x6mm(CTF)	18	0.210	0.150	0.070
			3x8mm(CTF)	24	0.194	0.139	0.064
			16x0.5mm(Volume)	8	0.318	0.227	0.106
			20x0.5mm(Volume)	10	0.289	0.207	0.096
			20x2mm(Volume)	40	0.192	0.137	0.064
			32x0.5mm(Volume)	16	0.242	0.173	0.080
			40x0.5mm(Volume)	20	0.230	0.165	0.076
			40x1mm(Volume)	40	0.192	0.137	0.064
			80x0.5mm(Volume)	40	0.192	0.137	0.064
			8x0.5mm(SURE)	4	0.463	0.331	0.154
			16x1mm(Helical)	16	0.242	0.173	0.080
			20x1mm(Helical)	20	0.230	0.165	0.076
			32x1mm(Helical)	32	0.208	0.148	0.069
			64x0.5mm(Helical)	32	0.210	0.150	0.070
Medium	135	140kV-S-304	4x0.5mm(Conventional)	2	0.499	0.319	0.154
			4x1mm(Conventional)	4	0.301	0.192	0.093
			4x2mm(Conventional)	8	0.198	0.127	0.061
			4x3mm(Conventional)	12	0.167	0.107	0.051
			4x4mm(Conventional)	16	0.149	0.095	0.046

			4x5mm(Conventional)	20	0.152	0.097	0.047
			4x8mm(Conventional)	32	0.125	0.080	0.039
			4x10mm(Conventional)	40	0.127	0.081	0.039
			1x1mm(Conventional)	1	0.885	0.565	0.272
			1x2mm(CTF)	2	0.481	0.307	0.148
			1x4mm(CTF)	4	0.261	0.167	0.080
			1x6mm(CTF)	6	0.223	0.143	0.069
			1x8mm(CTF)	8	0.198	0.127	0.061
			3x2mm(CTF)	6	0.223	0.143	0.069
			3x4mm(CTF)	12	0.161	0.103	0.050
			3x6mm(CTF)	18	0.139	0.089	0.043
			3x8mm(CTF)	24	0.128	0.082	0.039
			16x0.5mm(Volume)	8	0.210	0.134	0.065
			20x0.5mm(Volume)	10	0.191	0.122	0.059
			20x2mm(Volume)	40	0.127	0.081	0.039
			32x0.5mm(Volume)	16	0.159	0.102	0.049
			40x0.5mm(Volume)	20	0.152	0.097	0.047
			40x1mm(Volume)	40	0.127	0.081	0.039
			80x0.5mm(Volume)	40	0.127	0.081	0.039
			8x0.5mm(SURE)	4	0.305	0.195	0.094
			16x1mm(Helical)	16	0.159	0.102	0.049
			20x1mm(Helical)	20	0.152	0.097	0.047
			32x1mm(Helical)	32	0.137	0.088	0.042
			64x0.5mm(Helical)	32	0.139	0.089	0.043

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Lightning (TSX-035A) 取扱説明書 (2B201-750JA*E) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Medium

Table 10. Parameters related to dose index for Canon/Toshiba Aquilion PRIME Beyond Edition/Focus Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-303	1mm	1.0	0.658	0.362	0.156
			2mm	2.0	0.365	0.201	0.087
			4mm	4.0	0.242	0.133	0.058
			8mm	8.0	0.172	0.094	0.041
			10mm	10.0	0.152	0.084	0.036
			12mm	12.0	0.150	0.083	0.036
			16mm	16.0	0.138	0.076	0.033
			20mm	20.0	0.135	0.074	0.032
			32mm	32.0	0.119	0.066	0.028
			40mm	40.0	0.118	0.065	0.028
Large	100	100kV-L-303	1mm	1.0	1.103	0.636	0.304
			2mm	2.0	0.611	0.353	0.168
			4mm	4.0	0.406	0.234	0.112
			8mm	8.0	0.288	0.166	0.079
			10mm	10.0	0.255	0.147	0.070
			12mm	12.0	0.252	0.145	0.069
			16mm	16.0	0.231	0.133	0.064
			20mm	20.0	0.227	0.131	0.062
			32mm	32.0	0.200	0.115	0.055
			40mm	40.0	0.198	0.114	0.055
Large	120	120kV-L-303	1mm	1.0	1.637	0.969	0.539
			2mm	2.0	0.907	0.537	0.299
			4mm	4.0	0.603	0.357	0.198
			8mm	8.0	0.427	0.253	0.141
			10mm	10.0	0.379	0.224	0.125
			12mm	12.0	0.374	0.221	0.123
			16mm	16.0	0.343	0.203	0.113
			20mm	20.0	0.336	0.199	0.111
			32mm	32.0	0.297	0.176	0.098
			40mm	40.0	0.294	0.174	0.097
Large	135	135kV-L-303	1mm	1.0	2.063	1.253	0.708
			2mm	2.0	1.144	0.694	0.392
			4mm	4.0	0.760	0.461	0.261
			8mm	8.0	0.539	0.327	0.185
			10mm	10.0	0.478	0.290	0.164
			12mm	12.0	0.471	0.286	0.162
			16mm	16.0	0.433	0.263	0.148
			20mm	20.0	0.424	0.257	0.145
			32mm	32.0	0.374	0.227	0.128
			40mm	40.0	0.370	0.225	0.127
Medium	80	80kV-M-303	1mm	1.0	0.651	0.362	0.137
			2mm	2.0	0.361	0.201	0.076
			4mm	4.0	0.240	0.133	0.051
			8mm	8.0	0.170	0.094	0.036
			10mm	10.0	0.151	0.084	0.032
			12mm	12.0	0.149	0.083	0.031
			16mm	16.0	0.137	0.076	0.029
			20mm	20.0	0.134	0.074	0.028
			32mm	32.0	0.118	0.066	0.025
			40mm	40.0	0.117	0.065	0.025
Medium	100	100kV-M-303	1mm	1.0	1.091	0.636	0.268
			2mm	2.0	0.605	0.353	0.148
			4mm	4.0	0.402	0.234	0.099
			8mm	8.0	0.285	0.166	0.070
			10mm	10.0	0.253	0.147	0.062
			12mm	12.0	0.249	0.145	0.061
			16mm	16.0	0.229	0.133	0.056
			20mm	20.0	0.224	0.131	0.055
			32mm	32.0	0.198	0.115	0.048
			40mm	40.0	0.196	0.114	0.048
Medium	120	120kV-M-303	1mm	1.0	1.619	0.969	0.475
			2mm	2.0	0.897	0.537	0.263
			4mm	4.0	0.596	0.357	0.175
			8mm	8.0	0.423	0.253	0.124
			10mm	10.0	0.375	0.224	0.110

			12mm	12.0	0.370	0.221	0.108
			16mm	16.0	0.340	0.203	0.100
			20mm	20.0	0.332	0.199	0.097
			32mm	32.0	0.293	0.176	0.086
			40mm	40.0	0.291	0.174	0.085
Medium	135	135kV-M-303	1mm	1.0	2.041	1.253	0.624
			2mm	2.0	1.131	0.694	0.346
			4mm	4.0	0.752	0.461	0.230
			8mm	8.0	0.533	0.327	0.163
			10mm	10.0	0.473	0.290	0.145
			12mm	12.0	0.466	0.286	0.143
			16mm	16.0	0.428	0.263	0.131
			20mm	20.0	0.419	0.257	0.128
			32mm	32.0	0.370	0.227	0.113
			40mm	40.0	0.366	0.225	0.112
Small	80	80kV-S-303	1mm	1.0	0.751	0.396	0.149
			2mm	2.0	0.416	0.220	0.083
			4mm	4.0	0.277	0.146	0.055
			8mm	8.0	0.196	0.104	0.039
			10mm	10.0	0.174	0.092	0.035
			12mm	12.0	0.172	0.091	0.034
			16mm	16.0	0.158	0.083	0.031
			20mm	20.0	0.154	0.081	0.031
			32mm	32.0	0.136	0.072	0.027
			40mm	40.0	0.135	0.071	0.027
Small	100	100kV-S-303	1mm	1.0	1.259	0.697	0.291
			2mm	2.0	0.698	0.386	0.161
			4mm	4.0	0.464	0.257	0.107
			8mm	8.0	0.329	0.182	0.076
			10mm	10.0	0.292	0.161	0.067
			12mm	12.0	0.288	0.159	0.066
			16mm	16.0	0.264	0.146	0.061
			20mm	20.0	0.259	0.143	0.060
			32mm	32.0	0.228	0.126	0.053
			40mm	40.0	0.226	0.125	0.052
Small	120	120kV-S-303	1mm	1.0	1.868	1.061	0.516
			2mm	2.0	1.035	0.588	0.286
			4mm	4.0	0.688	0.391	0.190
			8mm	8.0	0.488	0.277	0.135
			10mm	10.0	0.433	0.246	0.119
			12mm	12.0	0.427	0.242	0.118
			16mm	16.0	0.392	0.223	0.108
			20mm	20.0	0.384	0.218	0.106
			32mm	32.0	0.338	0.192	0.093
			40mm	40.0	0.335	0.190	0.093
Small	135	135kV-S-303	1mm	1.0	2.355	1.372	0.678
			2mm	2.0	1.305	0.760	0.376
			4mm	4.0	0.867	0.505	0.250
			8mm	8.0	0.615	0.358	0.177
			10mm	10.0	0.545	0.318	0.157
			12mm	12.0	0.538	0.313	0.155
			16mm	16.0	0.494	0.288	0.142
			20mm	20.0	0.484	0.282	0.139
			32mm	32.0	0.427	0.249	0.123
			40mm	40.0	0.423	0.246	0.122

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion PRIME Beyond Edition (TSX-302A) 取扱説明書より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 11. Parameters related to dose index for Canon/Toshiba Aquilion Prime SP

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free ai}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Large	80	80kV-L-304	4x0.5mm(Conventional)	2.0	0.114	0.102	0.042			
			4x1mm(Conventional)	4.0	0.073	0.065	0.027			
			4x2mm(Conventional)	8.0	0.052	0.046	0.019			
			4x3mm(Conventional)	12.0	0.045	0.040	0.016			
			4x4mm(Conventional)	16.0	0.041	0.037	0.015			
			4x5mm(Conventional)	20.0	0.042	0.037	0.015			
			4x8mm(Conventional)	32.0	0.035	0.031	0.013			
			1x1mm(Conventional)	1.0	0.202	0.180	0.074			
			1x2mm(CTF)	2.0	0.111	0.099	0.041			
			1x4mm(CTF)	4.0	0.068	0.061	0.025			
			1x6mm(CTF)	6.0	0.058	0.051	0.021			
			1x8mm(CTF)	8.0	0.052	0.046	0.019			
			3x2mm(CTF)	6.0	0.058	0.051	0.021			
			3x4mm(CTF)	12.0	0.043	0.039	0.016			
			3x6mm(CTF)	18.0	0.038	0.034	0.014			
			3x8mm(CTF)	24.0	0.036	0.032	0.013			
			40x1mm(Helical/Volume)	40.0	0.035	0.031	0.013			
			80x0.5mm(Helical/Volume)	40.0	0.035	0.031	0.013			
			64x0.5mm(Helical/Volume)	32.0	0.039	0.035	0.014			
			40x0.5mm(Helical/Volume)	20.0	0.043	0.038	0.016			
			20x0.5mm(Helical/Volume)	10.0	0.051	0.045	0.019			
			8x0.5mm(RealPrep)	4.0	0.076	0.067	0.028			
			Large	100	100kV-L-304	4x0.5mm(Conventional)	2.0	0.269	0.208	0.098
						4x1mm(Conventional)	4.0	0.173	0.133	0.063
4x2mm(Conventional)	8.0	0.123				0.095	0.045			
4x3mm(Conventional)	12.0	0.105				0.081	0.038			
4x4mm(Conventional)	16.0	0.097				0.075	0.036			
4x5mm(Conventional)	20.0	0.098				0.076	0.036			
4x8mm(Conventional)	32.0	0.083				0.064	0.030			
1x1mm(Conventional)	1.0	0.477				0.368	0.174			
1x2mm(CTF)	2.0	0.262				0.202	0.096			
1x4mm(CTF)	4.0	0.161				0.124	0.059			
1x6mm(CTF)	6.0	0.136				0.105	0.050			
1x8mm(CTF)	8.0	0.123				0.095	0.045			
3x2mm(CTF)	6.0	0.136				0.105	0.050			
3x4mm(CTF)	12.0	0.102				0.079	0.037			
3x6mm(CTF)	18.0	0.090				0.070	0.033			
3x8mm(CTF)	24.0	0.085				0.065	0.031			
40x1mm(Helical/Volume)	40.0	0.083				0.064	0.030			
80x0.5mm(Helical/Volume)	40.0	0.083				0.064	0.030			
64x0.5mm(Helical/Volume)	32.0	0.092				0.071	0.034			
40x0.5mm(Helical/Volume)	20.0	0.100				0.077	0.037			
20x0.5mm(Helical/Volume)	10.0	0.120				0.092	0.044			
8x0.5mm(RealPrep)	4.0	0.179				0.138	0.065			
Large	120	120kV-L-304				4x0.5mm(Conventional)	2.0	0.457	0.342	0.177
						4x1mm(Conventional)	4.0	0.293	0.220	0.114
			4x2mm(Conventional)	8.0	0.208	0.156	0.081			
			4x3mm(Conventional)	12.0	0.178	0.134	0.069			
			4x4mm(Conventional)	16.0	0.165	0.124	0.064			
			4x5mm(Conventional)	20.0	0.167	0.125	0.065			
			4x8mm(Conventional)	32.0	0.140	0.105	0.054			
			1x1mm(Conventional)	1.0	0.808	0.606	0.314			
			1x2mm(CTF)	2.0	0.443	0.332	0.172			
			1x4mm(CTF)	4.0	0.273	0.205	0.106			
			1x6mm(CTF)	6.0	0.230	0.172	0.089			
			1x8mm(CTF)	8.0	0.208	0.156	0.081			
			3x2mm(CTF)	6.0	0.230	0.172	0.089			
			3x4mm(CTF)	12.0	0.173	0.130	0.067			
			3x6mm(CTF)	18.0	0.153	0.115	0.059			
			3x8mm(CTF)	24.0	0.143	0.107	0.056			
			40x1mm(Helical/Volume)	40.0	0.140	0.105	0.054			
			80x0.5mm(Helical/Volume)	40.0	0.140	0.105	0.054			
			64x0.5mm(Helical/Volume)	32.0	0.157	0.117	0.061			
			40x0.5mm(Helical/Volume)	20.0	0.170	0.127	0.066			
			20x0.5mm(Helical/Volume)	10.0	0.203	0.152	0.079			

			8x0.5mm(RealPrep)	4.0	0.303	0.227	0.118
Large	135	135kV-L-304	4x0.5mm(Conventional)	2.0	0.635	0.462	0.251
			4x1mm(Conventional)	4.0	0.408	0.297	0.161
			4x2mm(Conventional)	8.0	0.290	0.211	0.114
			4x3mm(Conventional)	12.0	0.248	0.180	0.098
			4x4mm(Conventional)	16.0	0.229	0.167	0.091
			4x5mm(Conventional)	20.0	0.232	0.169	0.091
			4x8mm(Conventional)	32.0	0.195	0.142	0.077
			1x1mm(Conventional)	1.0	1.124	0.818	0.444
			1x2mm(CTF)	2.0	0.616	0.449	0.243
			1x4mm(CTF)	4.0	0.380	0.277	0.150
			1x6mm(CTF)	6.0	0.320	0.233	0.126
			1x8mm(CTF)	8.0	0.290	0.211	0.114
			3x2mm(CTF)	6.0	0.320	0.233	0.126
			3x4mm(CTF)	12.0	0.241	0.175	0.095
			3x6mm(CTF)	18.0	0.213	0.155	0.084
			3x8mm(CTF)	24.0	0.199	0.145	0.079
			40x1mm(Helical/Volume)	40.0	0.195	0.142	0.077
			80x0.5mm(Helical/Volume)	40.0	0.195	0.142	0.077
			64x0.5mm(Helical/Volume)	32.0	0.218	0.159	0.086
			40x0.5mm(Helical/Volume)	20.0	0.236	0.172	0.093
			20x0.5mm(Helical/Volume)	10.0	0.283	0.206	0.112
			8x0.5mm(RealPrep)	4.0	0.422	0.307	0.166
Small	80	80kV-S-304	4x0.5mm(Conventional)	2.0	0.150	0.125	0.043
			4x1mm(Conventional)	4.0	0.096	0.080	0.028
			4x2mm(Conventional)	8.0	0.068	0.057	0.020
			4x3mm(Conventional)	12.0	0.058	0.049	0.017
			4x4mm(Conventional)	16.0	0.054	0.045	0.016
			4x5mm(Conventional)	20.0	0.055	0.046	0.016
			4x8mm(Conventional)	32.0	0.046	0.038	0.013
			1x1mm(Conventional)	1.0	0.265	0.221	0.077
			1x2mm(CTF)	2.0	0.145	0.121	0.042
			1x4mm(CTF)	4.0	0.090	0.075	0.026
			1x6mm(CTF)	6.0	0.075	0.063	0.022
			1x8mm(CTF)	8.0	0.068	0.057	0.020
			3x2mm(CTF)	6.0	0.075	0.063	0.022
			3x4mm(CTF)	12.0	0.057	0.047	0.016
			3x6mm(CTF)	18.0	0.050	0.042	0.015
			3x8mm(CTF)	24.0	0.047	0.039	0.014
			40x1mm(Helical/Volume)	40.0	0.046	0.038	0.013
			80x0.5mm(Helical/Volume)	40.0	0.046	0.038	0.013
			64x0.5mm(Helical/Volume)	32.0	0.051	0.043	0.015
			40x0.5mm(Helical/Volume)	20.0	0.056	0.047	0.016
			20x0.5mm(Helical/Volume)	10.0	0.067	0.056	0.019
			8x0.5mm(RealPrep)	4.0	0.099	0.083	0.029
Small	100	100kV-S-304	4x0.5mm(Conventional)	2.0	0.353	0.255	0.102
			4x1mm(Conventional)	4.0	0.227	0.164	0.066
			4x2mm(Conventional)	8.0	0.161	0.117	0.047
			4x3mm(Conventional)	12.0	0.138	0.100	0.040
			4x4mm(Conventional)	16.0	0.128	0.092	0.037
			4x5mm(Conventional)	20.0	0.129	0.093	0.037
			4x8mm(Conventional)	32.0	0.108	0.078	0.031
			1x1mm(Conventional)	1.0	0.625	0.452	0.181
			1x2mm(CTF)	2.0	0.343	0.248	0.099
			1x4mm(CTF)	4.0	0.211	0.153	0.061
			1x6mm(CTF)	6.0	0.178	0.129	0.052
			1x8mm(CTF)	8.0	0.161	0.117	0.047
			3x2mm(CTF)	6.0	0.178	0.129	0.052
			3x4mm(CTF)	12.0	0.134	0.097	0.039
			3x6mm(CTF)	18.0	0.119	0.086	0.034
			3x8mm(CTF)	24.0	0.111	0.080	0.032
			40x1mm(Helical/Volume)	40.0	0.108	0.078	0.031
			80x0.5mm(Helical/Volume)	40.0	0.108	0.078	0.031
			64x0.5mm(Helical/Volume)	32.0	0.121	0.088	0.035
			40x0.5mm(Helical/Volume)	20.0	0.131	0.095	0.038
			20x0.5mm(Helical/Volume)	10.0	0.157	0.114	0.046
			8x0.5mm(RealPrep)	4.0	0.234	0.170	0.068
Small	120	120kV-S-304	4x0.5mm(Conventional)	2.0	0.594	0.421	0.184
			4x1mm(Conventional)	4.0	0.381	0.270	0.118
			4x2mm(Conventional)	8.0	0.271	0.192	0.084
			4x3mm(Conventional)	12.0	0.232	0.164	0.072

			4x4mm(Conventional)	16.0	0.215	0.152	0.067
			4x5mm(Conventional)	20.0	0.217	0.154	0.067
			4x8mm(Conventional)	32.0	0.182	0.129	0.056
			1x1mm(Conventional)	1.0	1.051	0.745	0.326
			1x2mm(CTF)	2.0	0.576	0.409	0.179
			1x4mm(CTF)	4.0	0.355	0.252	0.110
			1x6mm(CTF)	6.0	0.299	0.212	0.093
			1x8mm(CTF)	8.0	0.271	0.192	0.084
			3x2mm(CTF)	6.0	0.299	0.212	0.093
			3x4mm(CTF)	12.0	0.225	0.160	0.070
			3x6mm(CTF)	18.0	0.199	0.141	0.062
			3x8mm(CTF)	24.0	0.186	0.132	0.058
			40x1mm(Helical/Volume)	40.0	0.182	0.129	0.056
			80x0.5mm(Helical/Volume)	40.0	0.182	0.129	0.056
			64x0.5mm(Helical/Volume)	32.0	0.204	0.144	0.063
			40x0.5mm(Helical/Volume)	20.0	0.221	0.157	0.069
			20x0.5mm(Helical/Volume)	10.0	0.264	0.187	0.082
			8x0.5mm(RealPrep)	4.0	0.394	0.280	0.122
Small	135	135kV-S-304	4x0.5mm(Conventional)	2.0	0.832	0.568	0.261
			4x1mm(Conventional)	4.0	0.534	0.365	0.167
			4x2mm(Conventional)	8.0	0.379	0.259	0.119
			4x3mm(Conventional)	12.0	0.325	0.222	0.102
			4x4mm(Conventional)	16.0	0.300	0.205	0.094
			4x5mm(Conventional)	20.0	0.303	0.207	0.095
			4x8mm(Conventional)	32.0	0.255	0.174	0.080
			1x1mm(Conventional)	1.0	1.472	1.006	0.461
			1x2mm(CTF)	2.0	0.807	0.552	0.253
			1x4mm(CTF)	4.0	0.498	0.340	0.156
			1x6mm(CTF)	6.0	0.419	0.286	0.131
			1x8mm(CTF)	8.0	0.379	0.259	0.119
			3x2mm(CTF)	6.0	0.419	0.286	0.131
			3x4mm(CTF)	12.0	0.316	0.216	0.099
			3x6mm(CTF)	18.0	0.279	0.191	0.088
			3x8mm(CTF)	24.0	0.261	0.178	0.082
			40x1mm(Helical/Volume)	40.0	0.255	0.174	0.080
			80x0.5mm(Helical/Volume)	40.0	0.255	0.174	0.080
			64x0.5mm(Helical/Volume)	32.0	0.285	0.195	0.089
			40x0.5mm(Helical/Volume)	20.0	0.310	0.212	0.097
			20x0.5mm(Helical/Volume)	10.0	0.370	0.253	0.116
			8x0.5mm(RealPrep)	4.0	0.552	0.378	0.173

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Prime SP (TSX-303B)取扱説明書 (2B201-907JA*G) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 12. Parameters related to dose index for Canon/Toshiba Aquilion ONE VISION Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-303	4x0.5mm(Conventional)	2.0	0.360	0.220	0.105
			4x1mm(Conventional)	4.0	0.229	0.140	0.067
			4x2mm(Conventional)	8.0	0.163	0.099	0.047
			4x3mm(Conventional)	12.0	0.142	0.087	0.041
			4x4mm(Conventional)	16.0	0.130	0.080	0.038
			4x5mm(Conventional)	20.0	0.124	0.076	0.036
			4x8mm(Conventional)	32.0	0.112	0.068	0.033
			1x1mm(Conventional)	1.0	0.623	0.381	0.182
			40x0.5mm(Volume)	20.0	0.134	0.082	0.039
			80x0.5mm(Volume)	40.0	0.113	0.069	0.033
			120x0.5mm(Volume)	60.0	0.107	0.065	0.031
			160x0.5mm(Volume)	80.0	0.108	0.066	0.031
			200x0.5mm(Volume)	100.0	0.105	0.064	0.031
			240x0.5mm(Volume)	120.0	0.104	0.064	0.030
			256x0.5mm(Volume)	128.0	0.103	0.063	0.030
			280x0.5mm(Volume)	140.0	0.101	0.062	0.030
			320x0.5mm(Volume)	160.0	0.100	0.061	0.029
			120x1mm(Volume)	120.0	0.104	0.064	0.030
			140x1mm(Volume)	140.0	0.101	0.062	0.030
			160x1mm(Volume)	160.0	0.100	0.061	0.029
			8x0.5mm(SURE)	4.0	0.237	0.145	0.069
			1x2mm(CTF)	2.0	0.343	0.210	0.100
			1x4mm(CTF)	4.0	0.212	0.130	0.062
			1x6mm(CTF)	6.0	0.179	0.110	0.052
			1x8mm(CTF)	8.0	0.163	0.099	0.047
			3x2mm(CTF)	6.0	0.179	0.110	0.052
			3x4mm(CTF)	12.0	0.135	0.083	0.039
			3x6mm(CTF)	18.0	0.121	0.074	0.035
			3x8mm(CTF)	24.0	0.113	0.069	0.033
			16x0.5mm(Helical)	8.0	0.170	0.104	0.050
			32x0.5mm(Helical)	16.0	0.140	0.086	0.041
			64x0.5mm(Helical)	32.0	0.126	0.077	0.037
			80x0.5mm(Helical)	40.0	0.113	0.069	0.033
			100x0.5mm(Helical)	50.0	0.118	0.072	0.035
			128x0.5mm(Helical)	64.0	0.109	0.067	0.032
			160x0.5mm(Helical)	80.0	0.108	0.066	0.031
16x1mm(Helical)	16.0	0.140	0.086	0.041			
32x1mm(Helical)	32.0	0.125	0.076	0.036			
40x1mm(Helical)	40.0	0.112	0.068	0.033			
Large	100	100kV-L-303	4x0.5mm(Conventional)	2.0	0.619	0.400	0.185
			4x1mm(Conventional)	4.0	0.393	0.254	0.117
			4x2mm(Conventional)	8.0	0.279	0.180	0.083
			4x3mm(Conventional)	12.0	0.243	0.157	0.073
			4x4mm(Conventional)	16.0	0.223	0.144	0.067
			4x5mm(Conventional)	20.0	0.212	0.137	0.063
			4x8mm(Conventional)	32.0	0.192	0.124	0.057
			1x1mm(Conventional)	1.0	1.070	0.691	0.320
			40x0.5mm(Volume)	20.0	0.230	0.149	0.069
			80x0.5mm(Volume)	40.0	0.194	0.126	0.058
			120x0.5mm(Volume)	60.0	0.183	0.118	0.055
			160x0.5mm(Volume)	80.0	0.185	0.120	0.055
			200x0.5mm(Volume)	100.0	0.181	0.117	0.054
			240x0.5mm(Volume)	120.0	0.179	0.115	0.053
			256x0.5mm(Volume)	128.0	0.176	0.114	0.053
			280x0.5mm(Volume)	140.0	0.174	0.113	0.052
			320x0.5mm(Volume)	160.0	0.172	0.111	0.051
			120x1mm(Volume)	120.0	0.179	0.115	0.053
			140x1mm(Volume)	140.0	0.174	0.113	0.052
			160x1mm(Volume)	160.0	0.172	0.111	0.051
			8x0.5mm(SURE)	4.0	0.406	0.263	0.122
			1x2mm(CTF)	2.0	0.590	0.381	0.176
			1x4mm(CTF)	4.0	0.364	0.235	0.109
			1x6mm(CTF)	6.0	0.308	0.199	0.092
1x8mm(CTF)	8.0	0.279	0.180	0.083			
3x2mm(CTF)	6.0	0.308	0.199	0.092			
3x4mm(CTF)	12.0	0.232	0.150	0.069			

			3x6mm(CTF)	18.0	0.208	0.134	0.062
			3x8mm(CTF)	24.0	0.194	0.126	0.058
			16x0.5mm(Helical)	8.0	0.293	0.189	0.087
			32x0.5mm(Helical)	16.0	0.241	0.156	0.072
			64x0.5mm(Helical)	32.0	0.217	0.140	0.065
			80x0.5mm(Helical)	40.0	0.194	0.126	0.058
			100x0.5mm(Helical)	50.0	0.203	0.131	0.061
			128x0.5mm(Helical)	64.0	0.188	0.121	0.056
			160x0.5mm(Helical)	80.0	0.185	0.120	0.055
			16x1mm(Helical)	16.0	0.241	0.156	0.072
			32x1mm(Helical)	32.0	0.214	0.139	0.064
			40x1mm(Helical)	40.0	0.192	0.124	0.057
Large	120	120kV-L-303	4x0.5mm(Conventional)	2.0	0.923	0.612	0.302
			4x1mm(Conventional)	4.0	0.587	0.389	0.192
			4x2mm(Conventional)	8.0	0.417	0.276	0.136
			4x3mm(Conventional)	12.0	0.363	0.241	0.119
			4x4mm(Conventional)	16.0	0.333	0.221	0.109
			4x5mm(Conventional)	20.0	0.317	0.210	0.104
			4x8mm(Conventional)	32.0	0.287	0.190	0.094
			1x1mm(Conventional)	1.0	1.597	1.058	0.523
			40x0.5mm(Volume)	20.0	0.343	0.227	0.112
			80x0.5mm(Volume)	40.0	0.290	0.192	0.095
			120x0.5mm(Volume)	60.0	0.273	0.181	0.089
			160x0.5mm(Volume)	80.0	0.277	0.183	0.091
			200x0.5mm(Volume)	100.0	0.270	0.179	0.088
			240x0.5mm(Volume)	120.0	0.267	0.177	0.087
			256x0.5mm(Volume)	128.0	0.263	0.174	0.086
			280x0.5mm(Volume)	140.0	0.260	0.172	0.085
			320x0.5mm(Volume)	160.0	0.257	0.170	0.084
			120x1mm(Volume)	120.0	0.267	0.177	0.087
			140x1mm(Volume)	140.0	0.260	0.172	0.085
			160x1mm(Volume)	160.0	0.257	0.170	0.084
			8x0.5mm(SURE)	4.0	0.607	0.402	0.199
			1x2mm(CTF)	2.0	0.880	0.583	0.288
			1x4mm(CTF)	4.0	0.543	0.360	0.178
			1x6mm(CTF)	6.0	0.460	0.305	0.151
			1x8mm(CTF)	8.0	0.417	0.276	0.136
			3x2mm(CTF)	6.0	0.460	0.305	0.151
			3x4mm(CTF)	12.0	0.347	0.230	0.113
			3x6mm(CTF)	18.0	0.310	0.205	0.101
			3x8mm(CTF)	24.0	0.290	0.192	0.095
			16x0.5mm(Helical)	8.0	0.437	0.289	0.143
			32x0.5mm(Helical)	16.0	0.360	0.238	0.118
			64x0.5mm(Helical)	32.0	0.323	0.214	0.106
			80x0.5mm(Helical)	40.0	0.290	0.192	0.095
			100x0.5mm(Helical)	50.0	0.303	0.201	0.099
			128x0.5mm(Helical)	64.0	0.280	0.185	0.092
			160x0.5mm(Helical)	80.0	0.277	0.183	0.091
			16x1mm(Helical)	16.0	0.360	0.238	0.118
			32x1mm(Helical)	32.0	0.320	0.212	0.105
			40x1mm(Helical)	40.0	0.287	0.190	0.094
Large	135	135kV-L-303	4x0.5mm(Conventional)	2.0	1.182	0.797	0.402
			4x1mm(Conventional)	4.0	0.751	0.506	0.255
			4x2mm(Conventional)	8.0	0.533	0.360	0.181
			4x3mm(Conventional)	12.0	0.465	0.314	0.158
			4x4mm(Conventional)	16.0	0.427	0.288	0.145
			4x5mm(Conventional)	20.0	0.405	0.273	0.138
			4x8mm(Conventional)	32.0	0.367	0.247	0.125
			1x1mm(Conventional)	1.0	2.044	1.378	0.695
			40x0.5mm(Volume)	20.0	0.439	0.296	0.149
			80x0.5mm(Volume)	40.0	0.371	0.250	0.126
			120x0.5mm(Volume)	60.0	0.350	0.236	0.119
			160x0.5mm(Volume)	80.0	0.354	0.239	0.120
			200x0.5mm(Volume)	100.0	0.346	0.233	0.118
			240x0.5mm(Volume)	120.0	0.341	0.230	0.116
			256x0.5mm(Volume)	128.0	0.337	0.227	0.115
			280x0.5mm(Volume)	140.0	0.333	0.224	0.113
			320x0.5mm(Volume)	160.0	0.329	0.222	0.112
			120x1mm(Volume)	120.0	0.341	0.230	0.116
			140x1mm(Volume)	140.0	0.333	0.224	0.113
			160x1mm(Volume)	160.0	0.329	0.222	0.112

			8x0.5mm(SURE)	4.0	0.777	0.524	0.264
			1x2mm(CTF)	2.0	1.126	0.760	0.383
			1x4mm(CTF)	4.0	0.695	0.469	0.237
			1x6mm(CTF)	6.0	0.589	0.397	0.200
			1x8mm(CTF)	8.0	0.533	0.360	0.181
			3x2mm(CTF)	6.0	0.589	0.397	0.200
			3x4mm(CTF)	12.0	0.444	0.299	0.151
			3x6mm(CTF)	18.0	0.397	0.268	0.135
			3x8mm(CTF)	24.0	0.371	0.250	0.126
			16x0.5mm(Helical)	8.0	0.559	0.377	0.190
			32x0.5mm(Helical)	16.0	0.461	0.311	0.157
			64x0.5mm(Helical)	32.0	0.414	0.279	0.141
			80x0.5mm(Helical)	40.0	0.371	0.250	0.126
			100x0.5mm(Helical)	50.0	0.388	0.262	0.132
			128x0.5mm(Helical)	64.0	0.358	0.242	0.122
			160x0.5mm(Helical)	80.0	0.354	0.239	0.120
			16x1mm(Helical)	16.0	0.461	0.311	0.157
			32x1mm(Helical)	32.0	0.410	0.276	0.139
			40x1mm(Helical)	40.0	0.367	0.247	0.125
Medium	80	80kV-M-303	4x0.5mm(Conventional)	2.0	0.360	0.218	0.094
			4x1mm(Conventional)	4.0	0.229	0.139	0.060
			4x2mm(Conventional)	8.0	0.163	0.098	0.042
			4x3mm(Conventional)	12.0	0.142	0.086	0.037
			4x4mm(Conventional)	16.0	0.130	0.079	0.034
			4x5mm(Conventional)	20.0	0.124	0.075	0.032
			4x8mm(Conventional)	32.0	0.112	0.068	0.029
			1x1mm(Conventional)	1.0	0.623	0.377	0.163
			40x0.5mm(Volume)	20.0	0.134	0.081	0.035
			80x0.5mm(Volume)	40.0	0.113	0.068	0.030
			120x0.5mm(Volume)	60.0	0.107	0.065	0.028
			160x0.5mm(Volume)	80.0	0.108	0.065	0.028
			200x0.5mm(Volume)	100.0	0.105	0.064	0.028
			240x0.5mm(Volume)	120.0	0.104	0.063	0.027
			256x0.5mm(Volume)	128.0	0.103	0.062	0.027
			280x0.5mm(Volume)	140.0	0.101	0.061	0.027
			320x0.5mm(Volume)	160.0	0.100	0.061	0.026
			120x1mm(Volume)	120.0	0.104	0.063	0.027
			140x1mm(Volume)	140.0	0.101	0.061	0.027
			160x1mm(Volume)	160.0	0.100	0.061	0.026
			8x0.5mm(SURE)	4.0	0.237	0.143	0.062
			1x2mm(CTF)	2.0	0.343	0.208	0.090
			1x4mm(CTF)	4.0	0.212	0.128	0.055
			1x6mm(CTF)	6.0	0.179	0.109	0.047
			1x8mm(CTF)	8.0	0.163	0.098	0.042
			3x2mm(CTF)	6.0	0.179	0.109	0.047
			3x4mm(CTF)	12.0	0.135	0.082	0.035
			3x6mm(CTF)	18.0	0.121	0.073	0.032
			3x8mm(CTF)	24.0	0.113	0.068	0.030
			16x0.5mm(Helical)	8.0	0.170	0.103	0.045
			32x0.5mm(Helical)	16.0	0.140	0.085	0.037
			64x0.5mm(Helical)	32.0	0.126	0.076	0.033
			80x0.5mm(Helical)	40.0	0.113	0.068	0.030
			100x0.5mm(Helical)	50.0	0.118	0.072	0.031
			128x0.5mm(Helical)	64.0	0.109	0.066	0.029
			160x0.5mm(Helical)	80.0	0.108	0.065	0.028
			16x1mm(Helical)	16.0	0.140	0.085	0.037
			32x1mm(Helical)	32.0	0.125	0.076	0.033
			40x1mm(Helical)	40.0	0.112	0.068	0.029
Medium	100	100kV-M-303	4x0.5mm(Conventional)	2.0	0.619	0.395	0.166
			4x1mm(Conventional)	4.0	0.393	0.251	0.105
			4x2mm(Conventional)	8.0	0.279	0.178	0.075
			4x3mm(Conventional)	12.0	0.243	0.156	0.065
			4x4mm(Conventional)	16.0	0.223	0.143	0.060
			4x5mm(Conventional)	20.0	0.212	0.136	0.057
			4x8mm(Conventional)	32.0	0.192	0.123	0.052
			1x1mm(Conventional)	1.0	1.070	0.684	0.287
			40x0.5mm(Volume)	20.0	0.230	0.147	0.062
			80x0.5mm(Volume)	40.0	0.194	0.124	0.052
			120x0.5mm(Volume)	60.0	0.183	0.117	0.049
			160x0.5mm(Volume)	80.0	0.185	0.118	0.050
			200x0.5mm(Volume)	100.0	0.181	0.116	0.049

			240x0.5mm(Volume)	120.0	0.179	0.114	0.048
			256x0.5mm(Volume)	128.0	0.176	0.113	0.047
			280x0.5mm(Volume)	140.0	0.174	0.111	0.047
			320x0.5mm(Volume)	160.0	0.172	0.110	0.046
			120x1mm(Volume)	120.0	0.179	0.114	0.048
			140x1mm(Volume)	140.0	0.174	0.111	0.047
			160x1mm(Volume)	160.0	0.172	0.110	0.046
			8x0.5mm(SURE)	4.0	0.406	0.260	0.109
			1x2mm(CTF)	2.0	0.590	0.377	0.158
			1x4mm(CTF)	4.0	0.364	0.233	0.098
			1x6mm(CTF)	6.0	0.308	0.197	0.083
			1x8mm(CTF)	8.0	0.279	0.178	0.075
			3x2mm(CTF)	6.0	0.308	0.197	0.083
			3x4mm(CTF)	12.0	0.232	0.148	0.062
			3x6mm(CTF)	18.0	0.208	0.133	0.056
			3x8mm(CTF)	24.0	0.194	0.124	0.052
			16x0.5mm(Helical)	8.0	0.293	0.187	0.078
			32x0.5mm(Helical)	16.0	0.241	0.154	0.065
			64x0.5mm(Helical)	32.0	0.217	0.138	0.058
			80x0.5mm(Helical)	40.0	0.194	0.124	0.052
			100x0.5mm(Helical)	50.0	0.203	0.130	0.055
			128x0.5mm(Helical)	64.0	0.188	0.120	0.050
			160x0.5mm(Helical)	80.0	0.185	0.118	0.050
			16x1mm(Helical)	16.0	0.241	0.154	0.065
			32x1mm(Helical)	32.0	0.214	0.137	0.058
			40x1mm(Helical)	40.0	0.192	0.123	0.052
Medium	120	120kV-M-303	4x0.5mm(Conventional)	2.0	0.923	0.605	0.272
			4x1mm(Conventional)	4.0	0.587	0.384	0.173
			4x2mm(Conventional)	8.0	0.417	0.273	0.123
			4x3mm(Conventional)	12.0	0.363	0.238	0.107
			4x4mm(Conventional)	16.0	0.333	0.218	0.098
			4x5mm(Conventional)	20.0	0.317	0.207	0.093
			4x8mm(Conventional)	32.0	0.287	0.188	0.084
			1x1mm(Conventional)	1.0	1.597	1.046	0.470
			40x0.5mm(Volume)	20.0	0.343	0.225	0.101
			80x0.5mm(Volume)	40.0	0.290	0.190	0.085
			120x0.5mm(Volume)	60.0	0.273	0.179	0.080
			160x0.5mm(Volume)	80.0	0.277	0.181	0.081
			200x0.5mm(Volume)	100.0	0.270	0.177	0.079
			240x0.5mm(Volume)	120.0	0.267	0.175	0.078
			256x0.5mm(Volume)	128.0	0.263	0.173	0.077
			280x0.5mm(Volume)	140.0	0.260	0.170	0.076
			320x0.5mm(Volume)	160.0	0.257	0.168	0.075
			120x1mm(Volume)	120.0	0.267	0.175	0.078
			140x1mm(Volume)	140.0	0.260	0.170	0.076
			160x1mm(Volume)	160.0	0.257	0.168	0.075
			8x0.5mm(SURE)	4.0	0.607	0.397	0.178
			1x2mm(CTF)	2.0	0.880	0.577	0.259
			1x4mm(CTF)	4.0	0.543	0.356	0.160
			1x6mm(CTF)	6.0	0.460	0.301	0.135
			1x8mm(CTF)	8.0	0.417	0.273	0.123
			3x2mm(CTF)	6.0	0.460	0.301	0.135
			3x4mm(CTF)	12.0	0.347	0.227	0.102
			3x6mm(CTF)	18.0	0.310	0.203	0.091
			3x8mm(CTF)	24.0	0.290	0.190	0.085
			16x0.5mm(Helical)	8.0	0.437	0.286	0.128
			32x0.5mm(Helical)	16.0	0.360	0.236	0.106
			64x0.5mm(Helical)	32.0	0.323	0.212	0.095
			80x0.5mm(Helical)	40.0	0.290	0.190	0.085
			100x0.5mm(Helical)	50.0	0.303	0.199	0.089
			128x0.5mm(Helical)	64.0	0.280	0.183	0.082
			160x0.5mm(Helical)	80.0	0.277	0.181	0.081
			16x1mm(Helical)	16.0	0.360	0.236	0.106
			32x1mm(Helical)	32.0	0.320	0.210	0.094
			40x1mm(Helical)	40.0	0.287	0.188	0.084
Medium	135	135kV-M-303	4x0.5mm(Conventional)	2.0	1.182	0.788	0.361
			4x1mm(Conventional)	4.0	0.751	0.501	0.230
			4x2mm(Conventional)	8.0	0.533	0.356	0.163
			4x3mm(Conventional)	12.0	0.465	0.310	0.142
			4x4mm(Conventional)	16.0	0.427	0.285	0.130
			4x5mm(Conventional)	20.0	0.405	0.270	0.124

			4x8mm(Conventional)	32.0	0.367	0.245	0.112
			1x1mm(Conventional)	1.0	2.044	1.363	0.625
			40x0.5mm(Volume)	20.0	0.439	0.293	0.134
			80x0.5mm(Volume)	40.0	0.371	0.248	0.114
			120x0.5mm(Volume)	60.0	0.350	0.233	0.107
			160x0.5mm(Volume)	80.0	0.354	0.236	0.108
			200x0.5mm(Volume)	100.0	0.346	0.231	0.106
			240x0.5mm(Volume)	120.0	0.341	0.228	0.104
			256x0.5mm(Volume)	128.0	0.337	0.225	0.103
			280x0.5mm(Volume)	140.0	0.333	0.222	0.102
			320x0.5mm(Volume)	160.0	0.329	0.219	0.100
			120x1mm(Volume)	120.0	0.341	0.228	0.104
			140x1mm(Volume)	140.0	0.333	0.222	0.102
			160x1mm(Volume)	160.0	0.329	0.219	0.100
			8x0.5mm(SURE)	4.0	0.777	0.518	0.237
			1x2mm(CTF)	2.0	1.126	0.751	0.344
			1x4mm(CTF)	4.0	0.695	0.464	0.213
			1x6mm(CTF)	6.0	0.589	0.393	0.180
			1x8mm(CTF)	8.0	0.533	0.356	0.163
			3x2mm(CTF)	6.0	0.589	0.393	0.180
			3x4mm(CTF)	12.0	0.444	0.296	0.136
			3x6mm(CTF)	18.0	0.397	0.265	0.121
			3x8mm(CTF)	24.0	0.371	0.248	0.114
			16x0.5mm(Helical)	8.0	0.559	0.373	0.171
			32x0.5mm(Helical)	16.0	0.461	0.307	0.141
			64x0.5mm(Helical)	32.0	0.414	0.276	0.127
			80x0.5mm(Helical)	40.0	0.371	0.248	0.114
			100x0.5mm(Helical)	50.0	0.388	0.259	0.119
			128x0.5mm(Helical)	64.0	0.358	0.239	0.110
			160x0.5mm(Helical)	80.0	0.354	0.236	0.108
			16x1mm(Helical)	16.0	0.461	0.307	0.141
			32x1mm(Helical)	32.0	0.410	0.273	0.125
			40x1mm(Helical)	40.0	0.367	0.245	0.112
Small	80	80kV-S-303	4x0.5mm(Conventional)	2.0	0.414	0.240	0.102
			4x1mm(Conventional)	4.0	0.263	0.152	0.065
			4x2mm(Conventional)	8.0	0.187	0.108	0.046
			4x3mm(Conventional)	12.0	0.163	0.094	0.040
			4x4mm(Conventional)	16.0	0.150	0.087	0.037
			4x5mm(Conventional)	20.0	0.142	0.082	0.035
			4x8mm(Conventional)	32.0	0.129	0.074	0.032
			1x1mm(Conventional)	1.0	0.716	0.414	0.176
			40x0.5mm(Volume)	20.0	0.154	0.089	0.038
			80x0.5mm(Volume)	40.0	0.130	0.075	0.032
			120x0.5mm(Volume)	60.0	0.123	0.071	0.030
			160x0.5mm(Volume)	80.0	0.124	0.072	0.031
			200x0.5mm(Volume)	100.0	0.121	0.070	0.030
			240x0.5mm(Volume)	120.0	0.120	0.069	0.029
			256x0.5mm(Volume)	128.0	0.118	0.068	0.029
			280x0.5mm(Volume)	140.0	0.117	0.067	0.029
			320x0.5mm(Volume)	160.0	0.115	0.067	0.028
			120x1mm(Volume)	120.0	0.120	0.069	0.029
			140x1mm(Volume)	140.0	0.117	0.067	0.029
			160x1mm(Volume)	160.0	0.115	0.067	0.028
			8x0.5mm(SURE)	4.0	0.272	0.157	0.067
			1x2mm(CTF)	2.0	0.395	0.228	0.097
			1x4mm(CTF)	4.0	0.244	0.141	0.060
			1x6mm(CTF)	6.0	0.206	0.119	0.051
			1x8mm(CTF)	8.0	0.187	0.108	0.046
			3x2mm(CTF)	6.0	0.206	0.119	0.051
			3x4mm(CTF)	12.0	0.155	0.090	0.038
			3x6mm(CTF)	18.0	0.139	0.080	0.034
			3x8mm(CTF)	24.0	0.130	0.075	0.032
			16x0.5mm(Helical)	8.0	0.196	0.113	0.048
			32x0.5mm(Helical)	16.0	0.161	0.093	0.040
			64x0.5mm(Helical)	32.0	0.145	0.084	0.036
			80x0.5mm(Helical)	40.0	0.130	0.075	0.032
			100x0.5mm(Helical)	50.0	0.136	0.079	0.034
			128x0.5mm(Helical)	64.0	0.126	0.073	0.031
			160x0.5mm(Helical)	80.0	0.124	0.072	0.031
			16x1mm(Helical)	16.0	0.161	0.093	0.040
			32x1mm(Helical)	32.0	0.144	0.083	0.035

			40x1mm(Helical)	40.0	0.129	0.074	0.032
Small	100	100kV-S-303	4x0.5mm(Conventional)	2.0	0.711	0.435	0.180
			4x1mm(Conventional)	4.0	0.452	0.276	0.114
			4x2mm(Conventional)	8.0	0.321	0.196	0.081
			4x3mm(Conventional)	12.0	0.280	0.171	0.071
			4x4mm(Conventional)	16.0	0.257	0.157	0.065
			4x5mm(Conventional)	20.0	0.244	0.149	0.062
			4x8mm(Conventional)	32.0	0.221	0.135	0.056
			1x1mm(Conventional)	1.0	1.230	0.751	0.311
			40x0.5mm(Volume)	20.0	0.265	0.162	0.067
			80x0.5mm(Volume)	40.0	0.223	0.136	0.056
			120x0.5mm(Volume)	60.0	0.211	0.129	0.053
			160x0.5mm(Volume)	80.0	0.213	0.130	0.054
			200x0.5mm(Volume)	100.0	0.208	0.127	0.053
			240x0.5mm(Volume)	120.0	0.205	0.126	0.052
			256x0.5mm(Volume)	128.0	0.203	0.124	0.051
			280x0.5mm(Volume)	140.0	0.200	0.122	0.051
			320x0.5mm(Volume)	160.0	0.198	0.121	0.050
			120x1mm(Volume)	120.0	0.205	0.126	0.052
			140x1mm(Volume)	140.0	0.200	0.122	0.051
			160x1mm(Volume)	160.0	0.198	0.121	0.050
			8x0.5mm(SURE)	4.0	0.467	0.286	0.118
			1x2mm(CTF)	2.0	0.678	0.414	0.171
			1x4mm(CTF)	4.0	0.419	0.256	0.106
			1x6mm(CTF)	6.0	0.354	0.216	0.090
			1x8mm(CTF)	8.0	0.321	0.196	0.081
			3x2mm(CTF)	6.0	0.354	0.216	0.090
			3x4mm(CTF)	12.0	0.267	0.163	0.067
			3x6mm(CTF)	18.0	0.239	0.146	0.060
			3x8mm(CTF)	24.0	0.223	0.136	0.056
			16x0.5mm(Helical)	8.0	0.336	0.206	0.085
			32x0.5mm(Helical)	16.0	0.277	0.169	0.070
			64x0.5mm(Helical)	32.0	0.249	0.152	0.063
			80x0.5mm(Helical)	40.0	0.223	0.136	0.056
			100x0.5mm(Helical)	50.0	0.234	0.143	0.059
			128x0.5mm(Helical)	64.0	0.216	0.132	0.054
			160x0.5mm(Helical)	80.0	0.213	0.130	0.054
			16x1mm(Helical)	16.0	0.277	0.169	0.070
			32x1mm(Helical)	32.0	0.247	0.151	0.062
			40x1mm(Helical)	40.0	0.221	0.135	0.056
Small	120	120kV-S-303	4x0.5mm(Conventional)	2.0	1.062	0.665	0.294
			4x1mm(Conventional)	4.0	0.675	0.422	0.187
			4x2mm(Conventional)	8.0	0.479	0.300	0.133
			4x3mm(Conventional)	12.0	0.418	0.262	0.116
			4x4mm(Conventional)	16.0	0.383	0.240	0.106
			4x5mm(Conventional)	20.0	0.364	0.228	0.101
			4x8mm(Conventional)	32.0	0.330	0.206	0.091
			1x1mm(Conventional)	1.0	1.836	1.150	0.508
			40x0.5mm(Volume)	20.0	0.395	0.247	0.109
			80x0.5mm(Volume)	40.0	0.334	0.209	0.092
			120x0.5mm(Volume)	60.0	0.314	0.197	0.087
			160x0.5mm(Volume)	80.0	0.318	0.199	0.088
			200x0.5mm(Volume)	100.0	0.311	0.194	0.086
			240x0.5mm(Volume)	120.0	0.307	0.192	0.085
			256x0.5mm(Volume)	128.0	0.303	0.190	0.084
			280x0.5mm(Volume)	140.0	0.299	0.187	0.083
			320x0.5mm(Volume)	160.0	0.295	0.185	0.082
			120x1mm(Volume)	120.0	0.307	0.192	0.085
			140x1mm(Volume)	140.0	0.299	0.187	0.083
			160x1mm(Volume)	160.0	0.295	0.185	0.082
			8x0.5mm(SURE)	4.0	0.698	0.437	0.193
			1x2mm(CTF)	2.0	1.012	0.634	0.280
			1x4mm(CTF)	4.0	0.625	0.391	0.173
			1x6mm(CTF)	6.0	0.529	0.331	0.146
			1x8mm(CTF)	8.0	0.479	0.300	0.133
			3x2mm(CTF)	6.0	0.529	0.331	0.146
			3x4mm(CTF)	12.0	0.399	0.250	0.110
			3x6mm(CTF)	18.0	0.357	0.223	0.099
			3x8mm(CTF)	24.0	0.334	0.209	0.092
			16x0.5mm(Helical)	8.0	0.502	0.314	0.139
			32x0.5mm(Helical)	16.0	0.414	0.259	0.115

			64x0.5mm(Helical)	32.0	0.372	0.233	0.103
			80x0.5mm(Helical)	40.0	0.334	0.209	0.092
			100x0.5mm(Helical)	50.0	0.349	0.218	0.097
			128x0.5mm(Helical)	64.0	0.322	0.202	0.089
			160x0.5mm(Helical)	80.0	0.318	0.199	0.088
			16x1mm(Helical)	16.0	0.414	0.259	0.115
			32x1mm(Helical)	32.0	0.368	0.230	0.102
			40x1mm(Helical)	40.0	0.330	0.206	0.091
Small	135	135kV-S-303	4x0.5mm(Conventional)	2.0	1.359	0.866	0.391
			4x1mm(Conventional)	4.0	0.864	0.550	0.248
			4x2mm(Conventional)	8.0	0.613	0.391	0.176
			4x3mm(Conventional)	12.0	0.535	0.341	0.154
			4x4mm(Conventional)	16.0	0.491	0.313	0.141
			4x5mm(Conventional)	20.0	0.466	0.297	0.134
			4x8mm(Conventional)	32.0	0.422	0.269	0.121
			1x1mm(Conventional)	1.0	2.350	1.498	0.676
			40x0.5mm(Volume)	20.0	0.505	0.322	0.145
			80x0.5mm(Volume)	40.0	0.427	0.272	0.123
			120x0.5mm(Volume)	60.0	0.402	0.256	0.116
			160x0.5mm(Volume)	80.0	0.407	0.260	0.117
			200x0.5mm(Volume)	100.0	0.397	0.253	0.114
			240x0.5mm(Volume)	120.0	0.393	0.250	0.113
			256x0.5mm(Volume)	128.0	0.388	0.247	0.112
			280x0.5mm(Volume)	140.0	0.383	0.244	0.110
			320x0.5mm(Volume)	160.0	0.378	0.241	0.109
			120x1mm(Volume)	120.0	0.393	0.250	0.113
			140x1mm(Volume)	140.0	0.383	0.244	0.110
			160x1mm(Volume)	160.0	0.378	0.241	0.109
			8x0.5mm(SURE)	4.0	0.893	0.569	0.257
			1x2mm(CTF)	2.0	1.295	0.826	0.373
			1x4mm(CTF)	4.0	0.800	0.510	0.230
			1x6mm(CTF)	6.0	0.677	0.432	0.195
			1x8mm(CTF)	8.0	0.613	0.391	0.176
			3x2mm(CTF)	6.0	0.677	0.432	0.195
			3x4mm(CTF)	12.0	0.510	0.325	0.147
			3x6mm(CTF)	18.0	0.456	0.291	0.131
			3x8mm(CTF)	24.0	0.427	0.272	0.123
			16x0.5mm(Helical)	8.0	0.643	0.410	0.185
			32x0.5mm(Helical)	16.0	0.530	0.338	0.152
			64x0.5mm(Helical)	32.0	0.476	0.303	0.137
			80x0.5mm(Helical)	40.0	0.427	0.272	0.123
			100x0.5mm(Helical)	50.0	0.447	0.285	0.128
			128x0.5mm(Helical)	64.0	0.412	0.263	0.119
			160x0.5mm(Helical)	80.0	0.407	0.260	0.117
			16x1mm(Helical)	16.0	0.530	0.338	0.152
			32x1mm(Helical)	32.0	0.471	0.300	0.136
			40x1mm(Helical)	40.0	0.422	0.269	0.121

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion ONE (TSX-303C) 取扱説明書より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 13. Parameters related to dose index for Canon/Toshiba Aquilion Precision

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large1	80	80kV-L-304	4x0.25mm(Conventional)	1.0	0.200	0.162	0.073
			4x0.5mm(Conventional)	2.0	0.116	0.094	0.042
			4x1mm(Conventional)	4.0	0.077	0.062	0.028
			4x2mm(Conventional)	8.0	0.053	0.043	0.019
			4x3mm(Conventional)	12.0	0.045	0.037	0.016
			4x4mm(Conventional)	16.0	0.042	0.034	0.015
			4x5mm(Conventional)	20.0	0.045	0.036	0.016
			4x8mm(Conventional)	32.0	0.042	0.034	0.015
			1x1mm(Conventional)	1.0	0.190	0.154	0.069
			20x0.5mm(Helical&Volume)	10.0	0.052	0.042	0.019
			40x0.5mm(Helical&Volume)	20.0	0.045	0.036	0.016
			80x0.25mm(Helical&Volume)	20.0	0.045	0.036	0.016
			80x0.5mm(Helical&Volume)	40.0	0.043	0.035	0.016
			160x0.25mm(Helical&Volume)	40.0	0.043	0.035	0.016
			8x0.25mm(RealPrep)	2.0	0.121	0.098	0.044
			8x0.5mm(RealPrep)	4.0	0.077	0.062	0.028
			16x0.25mm(RealPrep)	8.0	0.079	0.064	0.029
			1x2mm(CTF)	2.0	0.116	0.094	0.042
			1x4mm(CTF)	4.0	0.077	0.062	0.028
			1x6mm(CTF)	6.0	0.058	0.047	0.021
			1x8mm(CTF)	8.0	0.053	0.043	0.019
			3x2mm(CTF)	6.0	0.058	0.047	0.021
			3x4mm(CTF)	12.0	0.045	0.037	0.016
			3x6mm(CTF)	18.0	0.039	0.032	0.014
3x8mm(CTF)	24.0	0.037	0.030	0.013			
Large1	100	100kV-L-304	4x0.25mm(Conventional)	1.0	0.415	0.307	0.153
			4x0.5mm(Conventional)	2.0	0.239	0.177	0.089
			4x1mm(Conventional)	4.0	0.160	0.118	0.059
			4x2mm(Conventional)	8.0	0.110	0.082	0.041
			4x3mm(Conventional)	12.0	0.094	0.069	0.035
			4x4mm(Conventional)	16.0	0.087	0.065	0.032
			4x5mm(Conventional)	20.0	0.093	0.069	0.034
			4x8mm(Conventional)	32.0	0.087	0.064	0.032
			1x1mm(Conventional)	1.0	0.394	0.292	0.146
			20x0.5mm(Helical&Volume)	10.0	0.109	0.080	0.040
			40x0.5mm(Helical&Volume)	20.0	0.093	0.069	0.034
			80x0.25mm(Helical&Volume)	20.0	0.093	0.069	0.034
			80x0.5mm(Helical&Volume)	40.0	0.089	0.066	0.033
			160x0.25mm(Helical&Volume)	40.0	0.089	0.066	0.033
			8x0.25mm(RealPrep)	2.0	0.251	0.186	0.093
			8x0.5mm(RealPrep)	4.0	0.160	0.118	0.059
			16x0.25mm(RealPrep)	8.0	0.164	0.121	0.061
			1x2mm(CTF)	2.0	0.239	0.177	0.089
			1x4mm(CTF)	4.0	0.160	0.118	0.059
			1x6mm(CTF)	6.0	0.121	0.089	0.045
			1x8mm(CTF)	8.0	0.110	0.082	0.041
			3x2mm(CTF)	6.0	0.121	0.089	0.045
			3x4mm(CTF)	12.0	0.094	0.069	0.035
			3x6mm(CTF)	18.0	0.082	0.060	0.030
3x8mm(CTF)	24.0	0.076	0.056	0.028			
Large1	120	120kV-L-304	4x0.25mm(Conventional)	1.0	0.715	0.511	0.276
			4x0.5mm(Conventional)	2.0	0.413	0.295	0.159
			4x1mm(Conventional)	4.0	0.275	0.197	0.106
			4x2mm(Conventional)	8.0	0.190	0.136	0.074
			4x3mm(Conventional)	12.0	0.162	0.116	0.062
			4x4mm(Conventional)	16.0	0.150	0.108	0.058
			4x5mm(Conventional)	20.0	0.160	0.114	0.062
			4x8mm(Conventional)	32.0	0.149	0.107	0.058
			1x1mm(Conventional)	1.0	0.680	0.486	0.263
			20x0.5mm(Helical&Volume)	10.0	0.187	0.134	0.072
			40x0.5mm(Helical&Volume)	20.0	0.160	0.114	0.062
			80x0.25mm(Helical&Volume)	20.0	0.160	0.114	0.062
			80x0.5mm(Helical&Volume)	40.0	0.154	0.110	0.059
			160x0.25mm(Helical&Volume)	40.0	0.154	0.110	0.059
			8x0.25mm(RealPrep)	2.0	0.434	0.310	0.167
			8x0.5mm(RealPrep)	4.0	0.275	0.197	0.106

			16x0.25mm(RealPrep)	8.0	0.283	0.202	0.109
			1x2mm(CTF)	2.0	0.413	0.295	0.159
			1x4mm(CTF)	4.0	0.275	0.197	0.106
			1x6mm(CTF)	6.0	0.208	0.149	0.080
			1x8mm(CTF)	8.0	0.190	0.136	0.074
			3x2mm(CTF)	6.0	0.208	0.149	0.080
			3x4mm(CTF)	12.0	0.162	0.116	0.062
			3x6mm(CTF)	18.0	0.141	0.101	0.054
			3x8mm(CTF)	24.0	0.131	0.094	0.051
Large1	140	140kV-L-304	4x0.25mm(Convetional)	1.0	1.087	0.830	0.475
			4x0.5mm(Convetional)	2.0	0.627	0.479	0.274
			4x1mm(Convetional)	4.0	0.418	0.319	0.183
			4x2mm(Convetional)	8.0	0.289	0.221	0.126
			4x3mm(Convetional)	12.0	0.246	0.188	0.107
			4x4mm(Convetional)	16.0	0.229	0.175	0.100
			4x5mm(Convetional)	20.0	0.243	0.186	0.106
			4x8mm(Convetional)	32.0	0.227	0.173	0.099
			1x1mm(Convetional)	1.0	1.034	0.789	0.451
			20x0.5mm(Helical&Volume)	10.0	0.285	0.217	0.124
			40x0.5mm(Helical&Volume)	20.0	0.243	0.186	0.106
			80x0.25mm(Helical&Volume)	20.0	0.243	0.186	0.106
			80x0.5mm(Helical&Volume)	40.0	0.233	0.178	0.102
			160x0.25mm(Helical&Volume)	40.0	0.233	0.178	0.102
			8x0.25mm(RealPrep)	2.0	0.659	0.503	0.288
			8x0.5mm(RealPrep)	4.0	0.418	0.319	0.183
			16x0.25mm(RealPrep)	8.0	0.430	0.329	0.188
			1x2mm(CTF)	2.0	0.627	0.479	0.274
			1x4mm(CTF)	4.0	0.418	0.319	0.183
			1x6mm(CTF)	6.0	0.316	0.241	0.138
			1x8mm(CTF)	8.0	0.289	0.221	0.126
			3x2mm(CTF)	6.0	0.316	0.241	0.138
			3x4mm(CTF)	12.0	0.246	0.188	0.107
			3x6mm(CTF)	18.0	0.214	0.163	0.093
			3x8mm(CTF)	24.0	0.199	0.152	0.087
			1x4mm(CTF)	4.0	1.087	0.830	0.475
			1x6mm(CTF)	6.0	0.627	0.479	0.274
			1x8mm(CTF)	8.0	0.418	0.319	0.183
			3x2mm(CTF)	6.0	0.289	0.221	0.126
			3x4mm(CTF)	12.0	0.246	0.188	0.107
			3x6mm(CTF)	18.0	0.229	0.175	0.100
			3x8mm(CTF)	24.0	0.243	0.186	0.106
Large2	80	80kV-M-304	4x0.25mm(Convetional)	1.0	0.258	ND	0.090
			4x0.5mm(Convetional)	2.0	0.149	ND	0.052
			4x1mm(Convetional)	4.0	0.099	ND	0.035
			4x2mm(Convetional)	8.0	0.069	ND	0.024
			4x3mm(Convetional)	12.0	0.058	ND	0.020
			4x4mm(Convetional)	16.0	0.054	ND	0.019
			4x5mm(Convetional)	20.0	0.058	ND	0.020
			4x8mm(Convetional)	32.0	0.054	ND	0.019
			1x1mm(Convetional)	1.0	0.246	ND	0.085
			20x0.5mm(Helical&Volume)	10.0	0.068	ND	0.023
			40x0.5mm(Helical&Volume)	20.0	0.058	ND	0.020
			80x0.25mm(Helical&Volume)	20.0	0.058	ND	0.020
			80x0.5mm(Helical&Volume)	40.0	0.055	ND	0.019
			160x0.25mm(Helical&Volume)	40.0	0.055	ND	0.019
			8x0.25mm(RealPrep)	2.0	0.157	ND	0.054
			8x0.5mm(RealPrep)	4.0	0.099	ND	0.035
			16x0.25mm(RealPrep)	8.0	0.102	ND	0.036
			1x2mm(CTF)	2.0	0.149	ND	0.052
			1x4mm(CTF)	4.0	0.099	ND	0.035
			1x6mm(CTF)	6.0	0.075	ND	0.026
			1x8mm(CTF)	8.0	0.069	ND	0.024
			3x2mm(CTF)	6.0	0.075	ND	0.026
			3x4mm(CTF)	12.0	0.058	ND	0.020
			3x6mm(CTF)	18.0	0.051	ND	0.018
			3x8mm(CTF)	24.0	0.047	ND	0.016
Large2	100	100kV-M-304	4x0.25mm(Convetional)	1.0	0.535	ND	0.189
			4x0.5mm(Convetional)	2.0	0.309	ND	0.109
			4x1mm(Convetional)	4.0	0.206	ND	0.073
			4x2mm(Convetional)	8.0	0.142	ND	0.050
			4x3mm(Convetional)	12.0	0.121	ND	0.043

			4x4mm(Convetional)	16.0	0.113	ND	0.040
			4x5mm(Convetional)	20.0	0.120	ND	0.042
			4x8mm(Convetional)	32.0	0.112	ND	0.039
			1x1mm(Convetional)	1.0	0.509	ND	0.180
			20x0.5mm(Helical&Volume)	10.0	0.140	ND	0.049
			40x0.5mm(Helical&Volume)	20.0	0.120	ND	0.042
			80x0.25mm(Helical&Volume)	20.0	0.120	ND	0.042
			80x0.5mm(Helical&Volume)	40.0	0.115	ND	0.041
			160x0.25mm(Helical&Volume)	40.0	0.115	ND	0.041
			8x0.25mm(RealPrep)	2.0	0.324	ND	0.115
			8x0.5mm(RealPrep)	4.0	0.206	ND	0.073
			16x0.25mm(RealPrep)	8.0	0.212	ND	0.075
			1x2mm(CTF)	2.0	0.309	ND	0.109
			1x4mm(CTF)	4.0	0.206	ND	0.073
			1x6mm(CTF)	6.0	0.156	ND	0.055
			1x8mm(CTF)	8.0	0.142	ND	0.050
			3x2mm(CTF)	6.0	0.156	ND	0.055
			3x4mm(CTF)	12.0	0.121	ND	0.043
			3x6mm(CTF)	18.0	0.105	ND	0.037
			3x8mm(CTF)	24.0	0.098	ND	0.035
Large2	120	120kV-M-304	4x0.25mm(Convetional)	1.0	0.923	ND	0.340
			4x0.5mm(Convetional)	2.0	0.533	ND	0.196
			4x1mm(Convetional)	4.0	0.355	ND	0.131
			4x2mm(Convetional)	8.0	0.246	ND	0.091
			4x3mm(Convetional)	12.0	0.208	ND	0.077
			4x4mm(Convetional)	16.0	0.194	ND	0.072
			4x5mm(Convetional)	20.0	0.206	ND	0.076
			4x8mm(Convetional)	32.0	0.193	ND	0.071
			1x1mm(Convetional)	1.0	0.877	ND	0.323
			20x0.5mm(Helical&Volume)	10.0	0.241	ND	0.089
			40x0.5mm(Helical&Volume)	20.0	0.206	ND	0.076
			80x0.25mm(Helical&Volume)	20.0	0.206	ND	0.076
			80x0.5mm(Helical&Volume)	40.0	0.198	ND	0.073
			160x0.25mm(Helical&Volume)	40.0	0.198	ND	0.073
			8x0.25mm(RealPrep)	2.0	0.559	ND	0.206
			8x0.5mm(RealPrep)	4.0	0.355	ND	0.131
			16x0.25mm(RealPrep)	8.0	0.365	ND	0.135
			1x2mm(CTF)	2.0	0.533	ND	0.196
			1x4mm(CTF)	4.0	0.355	ND	0.131
			1x6mm(CTF)	6.0	0.268	ND	0.099
			1x8mm(CTF)	8.0	0.246	ND	0.091
			3x2mm(CTF)	6.0	0.268	ND	0.099
			3x4mm(CTF)	12.0	0.208	ND	0.077
			3x6mm(CTF)	18.0	0.182	ND	0.067
			3x8mm(CTF)	24.0	0.169	ND	0.062
			3x4mm(CTF)	12.0	0.923	ND	0.340
			3x6mm(CTF)	18.0	0.533	ND	0.196
			3x8mm(CTF)	24.0	0.355	ND	0.131
Large2	140	140kV-M-304	4x0.25mm(Convetional)	1.0	1.402	ND	0.584
			4x0.5mm(Convetional)	2.0	0.809	ND	0.337
			4x1mm(Convetional)	4.0	0.540	ND	0.225
			4x2mm(Convetional)	8.0	0.373	ND	0.156
			4x3mm(Convetional)	12.0	0.317	ND	0.132
			4x4mm(Convetional)	16.0	0.295	ND	0.123
			4x5mm(Convetional)	20.0	0.314	ND	0.131
			4x8mm(Convetional)	32.0	0.293	ND	0.122
			1x1mm(Convetional)	1.0	1.333	ND	0.556
			20x0.5mm(Helical&Volume)	10.0	0.367	ND	0.153
			40x0.5mm(Helical&Volume)	20.0	0.314	ND	0.131
			80x0.25mm(Helical&Volume)	20.0	0.314	ND	0.131
			80x0.5mm(Helical&Volume)	40.0	0.301	ND	0.126
			160x0.25mm(Helical&Volume)	40.0	0.301	ND	0.126
			8x0.25mm(RealPrep)	2.0	0.850	ND	0.354
			8x0.5mm(RealPrep)	4.0	0.540	ND	0.225
			16x0.25mm(RealPrep)	8.0	0.555	ND	0.231
			1x2mm(CTF)	2.0	0.809	ND	0.337
			1x4mm(CTF)	4.0	0.540	ND	0.225
			1x6mm(CTF)	6.0	0.408	ND	0.170
			1x8mm(CTF)	8.0	0.373	ND	0.156
			3x2mm(CTF)	6.0	0.408	ND	0.170
			3x4mm(CTF)	12.0	0.317	ND	0.132

			3x6mm(CTF)	18.0	0.276	ND	0.115
			3x8mm(CTF)	24.0	0.257	ND	0.107
			280x0.5mm(Volume)	140.0	1.402	ND	0.584
			320x0.5mm(Volume)	160.0	0.809	ND	0.337
			120x1mm(Volume)	120.0	0.540	ND	0.225
			140x1mm(Volume)	140.0	0.373	ND	0.156
			160x1mm(Volume)	160.0	0.317	ND	0.132
			8x0.5mm(SURE)	4.0	0.295	ND	0.123
			1x2mm(CTF)	2.0	0.314	ND	0.131
			1x4mm(CTF)	4.0	0.293	ND	0.122
			1x6mm(CTF)	6.0	1.333	ND	0.556
			1x8mm(CTF)	8.0	0.367	ND	0.153
			3x2mm(CTF)	6.0	0.314	ND	0.131
			3x4mm(CTF)	12.0	0.314	ND	0.131
			3x6mm(CTF)	18.0	0.301	ND	0.126
			3x8mm(CTF)	24.0	0.301	ND	0.126
Small1	80	80kV-S-304	4x0.25mm(Convetional)	1.0	0.260	0.202	0.079
			4x0.5mm(Convetional)	2.0	0.150	0.116	0.046
			4x1mm(Convetional)	4.0	0.100	0.078	0.030
			4x2mm(Convetional)	8.0	0.069	0.054	0.021
			4x3mm(Convetional)	12.0	0.059	0.046	0.018
			4x4mm(Convetional)	16.0	0.055	0.042	0.017
			4x5mm(Convetional)	20.0	0.058	0.045	0.018
			4x8mm(Convetional)	32.0	0.054	0.042	0.016
			1x1mm(Convetional)	1.0	0.248	0.192	0.075
			20x0.5mm(Helical&Volume)	10.0	0.068	0.053	0.021
			40x0.5mm(Helical&Volume)	20.0	0.058	0.045	0.018
			80x0.25mm(Helical&Volume)	20.0	0.058	0.045	0.018
			80x0.5mm(Helical&Volume)	40.0	0.056	0.043	0.017
			160x0.25mm(Helical&Volume)	40.0	0.056	0.043	0.017
			8x0.25mm(RealPrep)	2.0	0.158	0.122	0.048
			8x0.5mm(RealPrep)	4.0	0.100	0.078	0.030
			16x0.25mm(RealPrep)	8.0	0.103	0.080	0.031
			1x2mm(CTF)	2.0	0.150	0.116	0.046
			1x4mm(CTF)	4.0	0.100	0.078	0.030
			1x6mm(CTF)	6.0	0.076	0.059	0.023
			1x8mm(CTF)	8.0	0.069	0.054	0.021
			3x2mm(CTF)	6.0	0.076	0.059	0.023
			3x4mm(CTF)	12.0	0.059	0.046	0.018
			3x6mm(CTF)	18.0	0.051	0.040	0.016
			3x8mm(CTF)	24.0	0.048	0.037	0.014
Small1	100	100kV-S-304	4x0.25mm(Convetional)	1.0	0.539	0.382	0.167
			4x0.5mm(Convetional)	2.0	0.311	0.221	0.096
			4x1mm(Convetional)	4.0	0.208	0.147	0.064
			4x2mm(Convetional)	8.0	0.144	0.102	0.044
			4x3mm(Convetional)	12.0	0.122	0.086	0.038
			4x4mm(Convetional)	16.0	0.113	0.080	0.035
			4x5mm(Convetional)	20.0	0.121	0.085	0.037
			4x8mm(Convetional)	32.0	0.113	0.080	0.035
			1x1mm(Convetional)	1.0	0.513	0.363	0.159
			20x0.5mm(Helical&Volume)	10.0	0.141	0.100	0.044
			40x0.5mm(Helical&Volume)	20.0	0.121	0.085	0.037
			80x0.25mm(Helical&Volume)	20.0	0.121	0.085	0.037
			80x0.5mm(Helical&Volume)	40.0	0.116	0.082	0.036
			160x0.25mm(Helical&Volume)	40.0	0.116	0.082	0.036
			8x0.25mm(RealPrep)	2.0	0.327	0.232	0.101
			8x0.5mm(RealPrep)	4.0	0.208	0.147	0.064
			16x0.25mm(RealPrep)	8.0	0.214	0.151	0.066
			1x2mm(CTF)	2.0	0.311	0.221	0.096
			1x4mm(CTF)	4.0	0.208	0.147	0.064
			1x6mm(CTF)	6.0	0.157	0.111	0.048
			1x8mm(CTF)	8.0	0.144	0.102	0.044
			3x2mm(CTF)	6.0	0.157	0.111	0.048
			3x4mm(CTF)	12.0	0.122	0.086	0.038
			3x6mm(CTF)	18.0	0.106	0.075	0.033
			3x8mm(CTF)	24.0	0.099	0.070	0.031
Small1	120	120kV-S-304	4x0.25mm(Convetional)	1.0	0.930	0.637	0.300
			4x0.5mm(Convetional)	2.0	0.537	0.368	0.173
			4x1mm(Convetional)	4.0	0.358	0.245	0.115
			4x2mm(Convetional)	8.0	0.248	0.170	0.080
			4x3mm(Convetional)	12.0	0.210	0.144	0.068

			4x4mm(Convetional)	16.0	0.196	0.134	0.063
			4x5mm(Convetional)	20.0	0.208	0.142	0.067
			4x8mm(Convetional)	32.0	0.194	0.133	0.063
			1x1mm(Convetional)	1.0	0.884	0.605	0.285
			20x0.5mm(Helical&Volume)	10.0	0.243	0.167	0.079
			40x0.5mm(Helical&Volume)	20.0	0.208	0.142	0.067
			80x0.25mm(Helical&Volume)	20.0	0.208	0.142	0.067
			80x0.5mm(Helical&Volume)	40.0	0.200	0.137	0.064
			160x0.25mm(Helical&Volume)	40.0	0.200	0.137	0.064
			8x0.25mm(RealPrep)	2.0	0.564	0.386	0.182
			8x0.5mm(RealPrep)	4.0	0.358	0.245	0.115
			16x0.25mm(RealPrep)	8.0	0.368	0.252	0.119
			1x2mm(CTF)	2.0	0.537	0.368	0.173
			1x4mm(CTF)	4.0	0.358	0.245	0.115
			1x6mm(CTF)	6.0	0.270	0.185	0.087
			1x8mm(CTF)	8.0	0.248	0.170	0.080
			3x2mm(CTF)	6.0	0.270	0.185	0.087
			3x4mm(CTF)	12.0	0.210	0.144	0.068
			3x6mm(CTF)	18.0	0.183	0.125	0.059
			3x8mm(CTF)	24.0	0.171	0.117	0.055
Small1	140	140kV-S-304	4x0.25mm(Convetional)	1.0	1.413	1.034	0.516
			4x0.5mm(Convetional)	2.0	0.816	0.597	0.298
			4x1mm(Convetional)	4.0	0.544	0.398	0.198
			4x2mm(Convetional)	8.0	0.376	0.275	0.137
			4x3mm(Convetional)	12.0	0.319	0.234	0.117
			4x4mm(Convetional)	16.0	0.297	0.217	0.108
			4x5mm(Convetional)	20.0	0.316	0.231	0.115
			4x8mm(Convetional)	32.0	0.295	0.216	0.108
			1x1mm(Convetional)	1.0	1.344	0.983	0.490
			20x0.5mm(Helical&Volume)	10.0	0.370	0.271	0.135
			40x0.5mm(Helical&Volume)	20.0	0.316	0.231	0.115
			80x0.25mm(Helical&Volume)	20.0	0.316	0.231	0.115
			80x0.5mm(Helical&Volume)	40.0	0.304	0.222	0.111
			160x0.25mm(Helical&Volume)	40.0	0.304	0.222	0.111
			8x0.25mm(RealPrep)	2.0	0.857	0.627	0.313
			8x0.5mm(RealPrep)	4.0	0.544	0.398	0.198
			16x0.25mm(RealPrep)	8.0	0.560	0.409	0.204
			1x2mm(CTF)	2.0	0.816	0.597	0.298
			1x4mm(CTF)	4.0	0.544	0.398	0.198
			1x6mm(CTF)	6.0	0.411	0.301	0.150
			1x8mm(CTF)	8.0	0.376	0.275	0.137
			3x2mm(CTF)	6.0	0.411	0.301	0.150
			3x4mm(CTF)	12.0	0.319	0.234	0.117
			3x6mm(CTF)	18.0	0.278	0.203	0.102
			3x8mm(CTF)	24.0	0.259	0.190	0.095

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Precision (TSX-304A) 取扱説明書 (2B201-874JA*B) より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large1

[Head]: Small1

* FOV、収集モードとフィルタの対応は以下の Table のとおり

	収集モード		
	NR	HR	SHR
FOV M	Small1	Small1	Small1
FOV L	Large1	Large2	Large2

Table 14. Parameters related to dose index for Canon/Toshiba Aquilion ONE GENESIS Edition/NATURE Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-304	0.5mmx4(Conventional)	2.0	0.123	0.098	0.043
			1mmx4(Conventional)	4.0	0.078	0.062	0.027
			2mmx4(Conventional)	8.0	0.055	0.044	0.019
			3mmx4(Conventional)	12.0	0.048	0.038	0.017
			4mmx4(Conventional)	16.0	0.044	0.035	0.015
			5mmx4(Conventional)	20.0	0.040	0.032	0.014
			8mmx4(Conventional)	32.0	0.038	0.030	0.013
			1mmx1(Conventional)	1.0	0.212	0.169	0.074
			0.5mmx80(Volume)	40.0	0.038	0.031	0.013
			0.5mmx120(Volume)	60.0	0.037	0.029	0.013
			0.5mmx160(Volume)	80.0	0.037	0.030	0.013
			0.5mmx200(Volume)	100.0	0.036	0.029	0.013
			0.5mmx240(Volume)	120.0	0.036	0.029	0.012
			0.5mmx256(Volume)	128.0	0.036	0.029	0.013
			0.5mmx260(Volume)	130.0	0.033	0.026	0.012
			0.5mmx280(Volume)	140.0	0.033	0.026	0.012
			0.5mmx320(Volume)	160.0	0.035	0.028	0.012
			0.5mmx8(SURE)	4.0	0.080	0.064	0.028
			2mmx1(CTF)	2.0	0.117	0.093	0.041
			4mmx1(CTF)	4.0	0.072	0.058	0.025
			6mmx1(CTF)	6.0	0.061	0.049	0.021
			8mmx1(CTF)	8.0	0.055	0.044	0.019
			2mmx3(CTF)	6.0	0.061	0.049	0.021
			4mmx3(CTF)	12.0	0.046	0.037	0.016
			6mmx3(CTF)	18.0	0.041	0.033	0.014
			8mmx3(CTF)	24.0	0.038	0.031	0.013
			0.5mmx20(Helical)	10.0	0.055	0.044	0.019
			0.5mmx40(Helical)	20.0	0.046	0.037	0.016
			0.5mmx64(Helical)	32.0	0.043	0.035	0.015
			0.5mmx80(Helical)	40.0	0.038	0.031	0.013
			0.5mmx100(Helical)	50.0	0.037	0.030	0.013
			0.5mmx128(Helical)	64.0	0.039	0.031	0.014
			0.5mmx160(Helical)	80.0	0.037	0.030	0.013
1mmx40(Helical)	40.0	0.039	0.031	0.014			
Large	100	100kV-L-304	0.5mmx4(Conventional)	2.0	0.263	0.204	0.100
			1mmx4(Conventional)	4.0	0.167	0.129	0.063
			2mmx4(Conventional)	8.0	0.118	0.092	0.045
			3mmx4(Conventional)	12.0	0.102	0.079	0.039
			4mmx4(Conventional)	16.0	0.095	0.073	0.036
			5mmx4(Conventional)	20.0	0.085	0.066	0.032
			8mmx4(Conventional)	32.0	0.081	0.063	0.031
			1mmx1(Conventional)	1.0	0.455	0.352	0.173
			0.5mmx80(Volume)	40.0	0.082	0.064	0.031
			0.5mmx120(Volume)	60.0	0.079	0.061	0.030
			0.5mmx160(Volume)	80.0	0.081	0.062	0.031
			0.5mmx200(Volume)	100.0	0.078	0.060	0.030
			0.5mmx240(Volume)	120.0	0.077	0.059	0.029
			0.5mmx256(Volume)	128.0	0.078	0.060	0.030
			0.5mmx260(Volume)	130.0	0.071	0.055	0.027
			0.5mmx280(Volume)	140.0	0.071	0.055	0.027
			0.5mmx320(Volume)	160.0	0.075	0.058	0.028
			0.5mmx8(SURE)	4.0	0.172	0.133	0.066
			2mmx1(CTF)	2.0	0.251	0.194	0.096
			4mmx1(CTF)	4.0	0.155	0.120	0.059
			6mmx1(CTF)	6.0	0.131	0.101	0.050
			8mmx1(CTF)	8.0	0.118	0.092	0.045
			2mmx3(CTF)	6.0	0.131	0.101	0.050
			4mmx3(CTF)	12.0	0.099	0.076	0.038
			6mmx3(CTF)	18.0	0.088	0.068	0.034
			8mmx3(CTF)	24.0	0.082	0.064	0.031
			0.5mmx20(Helical)	10.0	0.117	0.091	0.045
			0.5mmx40(Helical)	20.0	0.099	0.077	0.038
			0.5mmx64(Helical)	32.0	0.093	0.072	0.035
			0.5mmx80(Helical)	40.0	0.082	0.064	0.031
			0.5mmx100(Helical)	50.0	0.081	0.062	0.031

			0.5mmx128(Helical)	64.0	0.083	0.064	0.032
			0.5mmx160(Helical)	80.0	0.081	0.062	0.031
			1mmx40(Helical)	40.0	0.083	0.064	0.032
Large	120	120kV-L-304	0.5mmx4(Conventional)	2.0	0.454	0.341	0.184
			1mmx4(Conventional)	4.0	0.287	0.216	0.116
			2mmx4(Conventional)	8.0	0.204	0.154	0.083
			3mmx4(Conventional)	12.0	0.176	0.133	0.071
			4mmx4(Conventional)	16.0	0.163	0.123	0.066
			5mmx4(Conventional)	20.0	0.147	0.111	0.060
			8mmx4(Conventional)	32.0	0.140	0.106	0.057
			1mmx1(Conventional)	1.0	0.784	0.589	0.317
			0.5mmx80(Volume)	40.0	0.142	0.107	0.058
			0.5mmx120(Volume)	60.0	0.136	0.102	0.055
			0.5mmx160(Volume)	80.0	0.139	0.104	0.056
			0.5mmx200(Volume)	100.0	0.134	0.101	0.054
			0.5mmx240(Volume)	120.0	0.132	0.099	0.054
			0.5mmx256(Volume)	128.0	0.134	0.101	0.054
			0.5mmx260(Volume)	130.0	0.123	0.092	0.050
			0.5mmx280(Volume)	140.0	0.123	0.092	0.050
			0.5mmx320(Volume)	160.0	0.129	0.097	0.052
			0.5mmx8(SURE)	4.0	0.297	0.224	0.120
			2mmx1(CTF)	2.0	0.433	0.325	0.175
			4mmx1(CTF)	4.0	0.268	0.201	0.108
			6mmx1(CTF)	6.0	0.225	0.169	0.091
			8mmx1(CTF)	8.0	0.204	0.154	0.083
			2mmx3(CTF)	6.0	0.225	0.169	0.091
			4mmx3(CTF)	12.0	0.170	0.128	0.069
			6mmx3(CTF)	18.0	0.152	0.114	0.061
			8mmx3(CTF)	24.0	0.142	0.107	0.058
			0.5mmx20(Helical)	10.0	0.203	0.152	0.082
			0.5mmx40(Helical)	20.0	0.172	0.129	0.069
			0.5mmx64(Helical)	32.0	0.160	0.120	0.065
			0.5mmx80(Helical)	40.0	0.142	0.107	0.058
			0.5mmx100(Helical)	50.0	0.139	0.104	0.056
			0.5mmx128(Helical)	64.0	0.144	0.108	0.058
			0.5mmx160(Helical)	80.0	0.139	0.104	0.056
			1mmx40(Helical)	40.0	0.144	0.108	0.058
Large	135	135kV-L-304	0.5mmx4(Conventional)	2.0	0.631	0.464	0.260
			1mmx4(Conventional)	4.0	0.400	0.294	0.165
			2mmx4(Conventional)	8.0	0.284	0.209	0.117
			3mmx4(Conventional)	12.0	0.245	0.180	0.101
			4mmx4(Conventional)	16.0	0.227	0.167	0.094
			5mmx4(Conventional)	20.0	0.204	0.150	0.084
			8mmx4(Conventional)	32.0	0.195	0.144	0.081
			1mmx1(Conventional)	1.0	1.090	0.802	0.450
			0.5mmx80(Volume)	40.0	0.198	0.145	0.081
			0.5mmx120(Volume)	60.0	0.188	0.139	0.078
			0.5mmx160(Volume)	80.0	0.193	0.142	0.080
			0.5mmx200(Volume)	100.0	0.186	0.137	0.077
			0.5mmx240(Volume)	120.0	0.184	0.135	0.076
			0.5mmx256(Volume)	128.0	0.186	0.137	0.077
			0.5mmx260(Volume)	130.0	0.170	0.125	0.070
			0.5mmx280(Volume)	140.0	0.170	0.125	0.070
			0.5mmx320(Volume)	160.0	0.179	0.132	0.074
			0.5mmx8(SURE)	4.0	0.413	0.304	0.170
			2mmx1(CTF)	2.0	0.602	0.443	0.248
			4mmx1(CTF)	4.0	0.372	0.274	0.154
			6mmx1(CTF)	6.0	0.313	0.230	0.129
			8mmx1(CTF)	8.0	0.284	0.209	0.117
			2mmx3(CTF)	6.0	0.313	0.230	0.129
			4mmx3(CTF)	12.0	0.236	0.174	0.097
			6mmx3(CTF)	18.0	0.211	0.155	0.087
			8mmx3(CTF)	24.0	0.198	0.145	0.081
			0.5mmx20(Helical)	10.0	0.282	0.207	0.116
			0.5mmx40(Helical)	20.0	0.238	0.175	0.098
			0.5mmx64(Helical)	32.0	0.222	0.164	0.092
			0.5mmx80(Helical)	40.0	0.198	0.145	0.081
			0.5mmx100(Helical)	50.0	0.193	0.142	0.080
			0.5mmx128(Helical)	64.0	0.200	0.147	0.082
			0.5mmx160(Helical)	80.0	0.193	0.142	0.080
			1mmx40(Helical)	40.0	0.200	0.147	0.082

Medium	80	80kV-S-304	0.5mmx4(Conventional)	2.0	0.161	0.122	0.045
			1mmx4(Conventional)	4.0	0.102	0.077	0.028
			2mmx4(Conventional)	8.0	0.072	0.055	0.020
			3mmx4(Conventional)	12.0	0.062	0.047	0.017
			4mmx4(Conventional)	16.0	0.058	0.044	0.016
			5mmx4(Conventional)	20.0	0.052	0.039	0.014
			8mmx4(Conventional)	32.0	0.050	0.038	0.014
			1mmx1(Conventional)	1.0	0.277	0.210	0.077
			0.5mmx80(Volume)	40.0	0.050	0.038	0.014
			0.5mmx120(Volume)	60.0	0.048	0.036	0.013
			0.5mmx160(Volume)	80.0	0.049	0.037	0.014
			0.5mmx200(Volume)	100.0	0.047	0.036	0.013
			0.5mmx240(Volume)	120.0	0.047	0.036	0.013
			0.5mmx256(Volume)	128.0	0.047	0.036	0.013
			0.5mmx260(Volume)	130.0	0.043	0.033	0.012
			0.5mmx280(Volume)	140.0	0.043	0.033	0.012
			0.5mmx320(Volume)	160.0	0.046	0.035	0.013
			0.5mmx8(SURE)	4.0	0.105	0.080	0.029
			2mmx1(CTF)	2.0	0.153	0.116	0.042
			4mmx1(CTF)	4.0	0.095	0.072	0.026
			6mmx1(CTF)	6.0	0.080	0.061	0.022
			8mmx1(CTF)	8.0	0.072	0.055	0.020
			2mmx3(CTF)	6.0	0.080	0.061	0.022
			4mmx3(CTF)	12.0	0.060	0.046	0.017
			6mmx3(CTF)	18.0	0.054	0.041	0.015
			8mmx3(CTF)	24.0	0.050	0.038	0.014
			0.5mmx20(Helical)	10.0	0.072	0.054	0.020
			0.5mmx40(Helical)	20.0	0.061	0.046	0.017
			0.5mmx64(Helical)	32.0	0.057	0.043	0.016
			0.5mmx80(Helical)	40.0	0.050	0.038	0.014
			0.5mmx100(Helical)	50.0	0.049	0.037	0.014
			0.5mmx128(Helical)	64.0	0.051	0.039	0.014
			0.5mmx160(Helical)	80.0	0.049	0.037	0.014
			1mmx40(Helical)	40.0	0.051	0.039	0.014
Medium	100	100kV-S-304	0.5mmx4(Conventional)	2.0	0.345	0.254	0.104
			1mmx4(Conventional)	4.0	0.218	0.161	0.066
			2mmx4(Conventional)	8.0	0.155	0.114	0.047
			3mmx4(Conventional)	12.0	0.134	0.099	0.041
			4mmx4(Conventional)	16.0	0.124	0.091	0.038
			5mmx4(Conventional)	20.0	0.112	0.082	0.034
			8mmx4(Conventional)	32.0	0.107	0.078	0.032
			1mmx1(Conventional)	1.0	0.596	0.438	0.180
			0.5mmx80(Volume)	40.0	0.108	0.079	0.033
			0.5mmx120(Volume)	60.0	0.103	0.076	0.031
			0.5mmx160(Volume)	80.0	0.105	0.078	0.032
			0.5mmx200(Volume)	100.0	0.102	0.075	0.031
			0.5mmx240(Volume)	120.0	0.101	0.074	0.030
			0.5mmx256(Volume)	128.0	0.102	0.075	0.031
			0.5mmx260(Volume)	130.0	0.093	0.068	0.028
			0.5mmx280(Volume)	140.0	0.093	0.068	0.028
			0.5mmx320(Volume)	160.0	0.098	0.072	0.030
			0.5mmx8(SURE)	4.0	0.226	0.166	0.068
			2mmx1(CTF)	2.0	0.329	0.242	0.099
			4mmx1(CTF)	4.0	0.204	0.150	0.062
			6mmx1(CTF)	6.0	0.171	0.126	0.052
			8mmx1(CTF)	8.0	0.155	0.114	0.047
			2mmx3(CTF)	6.0	0.171	0.126	0.052
			4mmx3(CTF)	12.0	0.129	0.095	0.039
			6mmx3(CTF)	18.0	0.115	0.085	0.035
			8mmx3(CTF)	24.0	0.108	0.079	0.033
			0.5mmx20(Helical)	10.0	0.154	0.113	0.047
			0.5mmx40(Helical)	20.0	0.130	0.096	0.039
			0.5mmx64(Helical)	32.0	0.122	0.089	0.037
			0.5mmx80(Helical)	40.0	0.108	0.079	0.033
			0.5mmx100(Helical)	50.0	0.105	0.078	0.032
			0.5mmx128(Helical)	64.0	0.109	0.080	0.033
			0.5mmx160(Helical)	80.0	0.105	0.078	0.032
			1mmx40(Helical)	40.0	0.109	0.080	0.033
Medium	120	120kV-S-304	0.5mmx4(Conventional)	2.0	0.595	0.425	0.191
			1mmx4(Conventional)	4.0	0.377	0.269	0.121
			2mmx4(Conventional)	8.0	0.267	0.191	0.086

			3mmx4(Conventional)	12.0	0.231	0.165	0.074
			4mmx4(Conventional)	16.0	0.214	0.153	0.069
			5mmx4(Conventional)	20.0	0.193	0.138	0.062
			8mmx4(Conventional)	32.0	0.184	0.131	0.059
			1mmx1(Conventional)	1.0	1.027	0.734	0.330
			0.5mmx80(Volume)	40.0	0.186	0.133	0.060
			0.5mmx120(Volume)	60.0	0.178	0.127	0.057
			0.5mmx160(Volume)	80.0	0.182	0.130	0.058
			0.5mmx200(Volume)	100.0	0.175	0.125	0.056
			0.5mmx240(Volume)	120.0	0.173	0.124	0.056
			0.5mmx256(Volume)	128.0	0.175	0.125	0.056
			0.5mmx260(Volume)	130.0	0.160	0.115	0.052
			0.5mmx280(Volume)	140.0	0.160	0.115	0.052
			0.5mmx320(Volume)	160.0	0.169	0.121	0.054
			0.5mmx8(SURE)	4.0	0.389	0.278	0.125
			2mmx1(CTF)	2.0	0.567	0.405	0.182
			4mmx1(CTF)	4.0	0.351	0.251	0.113
			6mmx1(CTF)	6.0	0.295	0.211	0.095
			8mmx1(CTF)	8.0	0.267	0.191	0.086
			2mmx3(CTF)	6.0	0.295	0.211	0.095
			4mmx3(CTF)	12.0	0.223	0.159	0.072
			6mmx3(CTF)	18.0	0.199	0.142	0.064
			8mmx3(CTF)	24.0	0.186	0.133	0.060
			0.5mmx20(Helical)	10.0	0.265	0.190	0.085
			0.5mmx40(Helical)	20.0	0.225	0.161	0.072
			0.5mmx64(Helical)	32.0	0.210	0.150	0.067
			0.5mmx80(Helical)	40.0	0.186	0.133	0.060
			0.5mmx100(Helical)	50.0	0.182	0.130	0.058
			0.5mmx128(Helical)	64.0	0.188	0.135	0.061
			0.5mmx160(Helical)	80.0	0.182	0.130	0.058
			1mmx40(Helical)	40.0	0.188	0.135	0.061
Medium	135	135kV-S-304	0.5mmx4(Conventional)	2.0	0.827	0.578	0.248
			1mmx4(Conventional)	4.0	0.523	0.366	0.157
			2mmx4(Conventional)	8.0	0.372	0.260	0.111
			3mmx4(Conventional)	12.0	0.321	0.225	0.096
			4mmx4(Conventional)	16.0	0.297	0.208	0.089
			5mmx4(Conventional)	20.0	0.268	0.187	0.080
			8mmx4(Conventional)	32.0	0.256	0.179	0.077
			1mmx1(Conventional)	1.0	1.428	0.998	0.428
			0.5mmx80(Volume)	40.0	0.259	0.181	0.078
			0.5mmx120(Volume)	60.0	0.247	0.173	0.074
			0.5mmx160(Volume)	80.0	0.253	0.177	0.076
			0.5mmx200(Volume)	100.0	0.244	0.171	0.073
			0.5mmx240(Volume)	120.0	0.241	0.168	0.072
			0.5mmx256(Volume)	128.0	0.244	0.171	0.073
			0.5mmx260(Volume)	130.0	0.223	0.156	0.067
			0.5mmx280(Volume)	140.0	0.223	0.156	0.067
			0.5mmx320(Volume)	160.0	0.235	0.164	0.070
			0.5mmx8(SURE)	4.0	0.541	0.378	0.162
			2mmx1(CTF)	2.0	0.788	0.551	0.236
			4mmx1(CTF)	4.0	0.488	0.341	0.146
			6mmx1(CTF)	6.0	0.410	0.287	0.123
			8mmx1(CTF)	8.0	0.372	0.260	0.111
			2mmx3(CTF)	6.0	0.410	0.287	0.123
			4mmx3(CTF)	12.0	0.309	0.216	0.093
			6mmx3(CTF)	18.0	0.277	0.193	0.083
			8mmx3(CTF)	24.0	0.259	0.181	0.078
			0.5mmx20(Helical)	10.0	0.369	0.258	0.111
			0.5mmx40(Helical)	20.0	0.312	0.218	0.094
			0.5mmx64(Helical)	32.0	0.291	0.204	0.087
			0.5mmx80(Helical)	40.0	0.259	0.181	0.078
			0.5mmx100(Helical)	50.0	0.253	0.177	0.076
			0.5mmx128(Helical)	64.0	0.262	0.183	0.078
			0.5mmx160(Helical)	80.0	0.253	0.177	0.076
			1mmx40(Helical)	40.0	0.262	0.183	0.078

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Genesis Edition (TSX-305A)取扱説明書 (2B201-811JA*G) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Medium

Table15. Parameters related to dose index for Canon/Toshiba Aquilion ONE PRISM Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-304	0.5mmx4(Conventional)	2.0	0.130	0.104	0.045
			1mmx4(Conventional)	4.0	0.082	0.065	0.029
			2mmx4(Conventional)	8.0	0.058	0.046	0.020
			3mmx4(Conventional)	12.0	0.050	0.040	0.018
			4mmx4(Conventional)	16.0	0.046	0.037	0.016
			5mmx4(Conventional)	20.0	0.044	0.035	0.015
			8mmx4(Conventional)	32.0	0.040	0.032	0.014
			1mmx1(Conventional)	1.0	0.225	0.180	0.079
			0.5mmx80(Volume)	40.0	0.040	0.032	0.014
			0.5mmx120(Volume)	60.0	0.038	0.030	0.013
			0.5mmx160(Volume)	80.0	0.039	0.031	0.014
			0.5mmx200(Volume)	100.0	0.038	0.031	0.013
			0.5mmx240(Volume)	120.0	0.037	0.030	0.013
			0.5mmx256(Volume)	128.0	0.037	0.030	0.013
			0.5mmx260(Volume)	130.0	0.037	0.030	0.013
			0.5mmx280(Volume)	140.0	0.037	0.030	0.013
			0.5mmx320(Volume)	160.0	0.036	0.029	0.013
			0.5mmx8(SURE)	4.0	0.085	0.068	0.030
			2mmx1(CTF)	2.0	0.124	0.099	0.043
			4mmx1(CTF)	4.0	0.076	0.061	0.027
			6mmx1(CTF)	6.0	0.064	0.051	0.022
			8mmx1(CTF)	8.0	0.058	0.046	0.020
			2mmx3(CTF)	6.0	0.064	0.051	0.022
			4mmx3(CTF)	12.0	0.049	0.039	0.017
			6mmx3(CTF)	18.0	0.043	0.035	0.015
			8mmx3(CTF)	24.0	0.040	0.032	0.014
			0.5mmx20(Helical)	10.0	0.057	0.046	0.020
			0.5mmx40(Helical)	20.0	0.048	0.038	0.017
			0.5mmx64(Helical)	32.0	0.045	0.036	0.016
			0.5mmx80(Helical)	40.0	0.040	0.032	0.014
			0.5mmx100(Helical)	50.0	0.039	0.031	0.014
			0.5mmx128(Helical)	64.0	0.040	0.032	0.014
			0.5mmx160(Helical)	80.0	0.039	0.031	0.014
			1mmx40(Helical)	40.0	0.040	0.032	0.014
			Large	100	100kV-L-304	0.5mmx4(Conventional)	2.0
1mmx4(Conventional)	4.0	0.176				0.136	0.067
2mmx4(Conventional)	8.0	0.124				0.096	0.047
3mmx4(Conventional)	12.0	0.108				0.084	0.041
4mmx4(Conventional)	16.0	0.099				0.077	0.038
5mmx4(Conventional)	20.0	0.095				0.073	0.036
8mmx4(Conventional)	32.0	0.086				0.067	0.033
1mmx1(Conventional)	1.0	0.484				0.374	0.184
0.5mmx80(Volume)	40.0	0.086				0.067	0.033
0.5mmx120(Volume)	60.0	0.081				0.063	0.031
0.5mmx160(Volume)	80.0	0.083				0.064	0.032
0.5mmx200(Volume)	100.0	0.082				0.064	0.031
0.5mmx240(Volume)	120.0	0.081				0.062	0.031
0.5mmx256(Volume)	128.0	0.081				0.062	0.031
0.5mmx260(Volume)	130.0	0.081				0.062	0.031
0.5mmx280(Volume)	140.0	0.080				0.062	0.030
0.5mmx320(Volume)	160.0	0.078				0.060	0.030
0.5mmx8(SURE)	4.0	0.182				0.141	0.069
2mmx1(CTF)	2.0	0.266				0.206	0.101
4mmx1(CTF)	4.0	0.164				0.127	0.062
6mmx1(CTF)	6.0	0.137				0.106	0.052
8mmx1(CTF)	8.0	0.124				0.096	0.047
2mmx3(CTF)	6.0	0.137				0.106	0.052
4mmx3(CTF)	12.0	0.104				0.081	0.040
6mmx3(CTF)	18.0	0.093				0.072	0.035
8mmx3(CTF)	24.0	0.086				0.067	0.033
0.5mmx20(Helical)	10.0	0.123				0.095	0.047
0.5mmx40(Helical)	20.0	0.103				0.080	0.039
0.5mmx64(Helical)	32.0	0.096				0.074	0.036
0.5mmx80(Helical)	40.0	0.086				0.067	0.033
0.5mmx100(Helical)	50.0	0.083				0.064	0.032
0.5mmx128(Helical)	64.0	0.085				0.066	0.032

			0.5mmx160(Helical)	80.0	0.083	0.064	0.032
			1mmx40(Helical)	40.0	0.086	0.067	0.033
Large	120	120kV-L-304	0.5mmx4(Conventional)	2.0	0.480	0.361	0.194
			1mmx4(Conventional)	4.0	0.304	0.228	0.123
			2mmx4(Conventional)	8.0	0.214	0.161	0.087
			3mmx4(Conventional)	12.0	0.186	0.140	0.075
			4mmx4(Conventional)	16.0	0.172	0.129	0.069
			5mmx4(Conventional)	20.0	0.163	0.123	0.066
			8mmx4(Conventional)	32.0	0.149	0.112	0.060
			1mmx1(Conventional)	1.0	0.835	0.628	0.338
			0.5mmx80(Volume)	40.0	0.149	0.112	0.060
			0.5mmx120(Volume)	60.0	0.140	0.106	0.057
			0.5mmx160(Volume)	80.0	0.144	0.108	0.058
			0.5mmx200(Volume)	100.0	0.142	0.107	0.058
			0.5mmx240(Volume)	120.0	0.139	0.104	0.056
			0.5mmx256(Volume)	128.0	0.139	0.104	0.056
			0.5mmx260(Volume)	130.0	0.139	0.104	0.056
			0.5mmx280(Volume)	140.0	0.137	0.103	0.056
			0.5mmx320(Volume)	160.0	0.134	0.101	0.054
			0.5mmx8(SURE)	4.0	0.314	0.236	0.127
			2mmx1(CTF)	2.0	0.459	0.345	0.186
			4mmx1(CTF)	4.0	0.283	0.212	0.114
			6mmx1(CTF)	6.0	0.237	0.178	0.096
			8mmx1(CTF)	8.0	0.214	0.161	0.087
			2mmx3(CTF)	6.0	0.237	0.178	0.096
			4mmx3(CTF)	12.0	0.180	0.135	0.073
			6mmx3(CTF)	18.0	0.160	0.120	0.065
			8mmx3(CTF)	24.0	0.149	0.112	0.060
			0.5mmx20(Helical)	10.0	0.212	0.160	0.086
			0.5mmx40(Helical)	20.0	0.178	0.134	0.072
			0.5mmx64(Helical)	32.0	0.165	0.124	0.067
			0.5mmx80(Helical)	40.0	0.149	0.112	0.060
			0.5mmx100(Helical)	50.0	0.144	0.108	0.058
			0.5mmx128(Helical)	64.0	0.147	0.111	0.060
			0.5mmx160(Helical)	80.0	0.144	0.108	0.058
			1mmx40(Helical)	40.0	0.149	0.112	0.060
Large	135	135kV-L-304	0.5mmx4(Conventional)	2.0	0.667	0.491	0.275
			1mmx4(Conventional)	4.0	0.422	0.311	0.174
			2mmx4(Conventional)	8.0	0.297	0.219	0.123
			3mmx4(Conventional)	12.0	0.259	0.190	0.107
			4mmx4(Conventional)	16.0	0.238	0.175	0.098
			5mmx4(Conventional)	20.0	0.227	0.167	0.094
			8mmx4(Conventional)	32.0	0.207	0.152	0.085
			1mmx1(Conventional)	1.0	1.160	0.853	0.479
			0.5mmx80(Volume)	40.0	0.207	0.152	0.085
			0.5mmx120(Volume)	60.0	0.195	0.144	0.081
			0.5mmx160(Volume)	80.0	0.200	0.147	0.082
			0.5mmx200(Volume)	100.0	0.198	0.145	0.081
			0.5mmx240(Volume)	120.0	0.193	0.142	0.080
			0.5mmx256(Volume)	128.0	0.193	0.142	0.080
			0.5mmx260(Volume)	130.0	0.193	0.142	0.080
			0.5mmx280(Volume)	140.0	0.191	0.140	0.079
			0.5mmx320(Volume)	160.0	0.186	0.137	0.077
			0.5mmx8(SURE)	4.0	0.436	0.321	0.180
			2mmx1(CTF)	2.0	0.638	0.469	0.263
			4mmx1(CTF)	4.0	0.393	0.289	0.162
			6mmx1(CTF)	6.0	0.329	0.242	0.136
			8mmx1(CTF)	8.0	0.297	0.219	0.123
			2mmx3(CTF)	6.0	0.329	0.242	0.136
			4mmx3(CTF)	12.0	0.250	0.184	0.103
			6mmx3(CTF)	18.0	0.222	0.164	0.092
			8mmx3(CTF)	24.0	0.207	0.152	0.085
			0.5mmx20(Helical)	10.0	0.295	0.217	0.122
			0.5mmx40(Helical)	20.0	0.247	0.182	0.102
			0.5mmx64(Helical)	32.0	0.229	0.169	0.095
			0.5mmx80(Helical)	40.0	0.207	0.152	0.085
			0.5mmx100(Helical)	50.0	0.200	0.147	0.082
			0.5mmx128(Helical)	64.0	0.204	0.150	0.084
			0.5mmx160(Helical)	80.0	0.200	0.147	0.082
			1mmx40(Helical)	40.0	0.207	0.152	0.085
Medium	80	80kV-S-304	0.5mmx4(Conventional)	2.0	0.170	0.129	0.047

			1mmx4(Conventional)	4.0	0.107	0.082	0.030
			2mmx4(Conventional)	8.0	0.076	0.057	0.021
			3mmx4(Conventional)	12.0	0.066	0.050	0.018
			4mmx4(Conventional)	16.0	0.061	0.046	0.017
			5mmx4(Conventional)	20.0	0.058	0.044	0.016
			8mmx4(Conventional)	32.0	0.053	0.040	0.015
			1mmx1(Conventional)	1.0	0.295	0.224	0.082
			0.5mmx80(Volume)	40.0	0.053	0.040	0.015
			0.5mmx120(Volume)	60.0	0.050	0.038	0.014
			0.5mmx160(Volume)	80.0	0.051	0.039	0.014
			0.5mmx200(Volume)	100.0	0.050	0.038	0.014
			0.5mmx240(Volume)	120.0	0.049	0.037	0.014
			0.5mmx256(Volume)	128.0	0.049	0.037	0.014
			0.5mmx260(Volume)	130.0	0.049	0.037	0.014
			0.5mmx280(Volume)	140.0	0.049	0.037	0.013
			0.5mmx320(Volume)	160.0	0.047	0.036	0.013
			0.5mmx8(SURE)	4.0	0.111	0.084	0.031
			2mmx1(CTF)	2.0	0.162	0.123	0.045
			4mmx1(CTF)	4.0	0.100	0.076	0.028
			6mmx1(CTF)	6.0	0.084	0.064	0.023
			8mmx1(CTF)	8.0	0.076	0.057	0.021
			2mmx3(CTF)	6.0	0.084	0.064	0.023
			4mmx3(CTF)	12.0	0.064	0.048	0.018
			6mmx3(CTF)	18.0	0.057	0.043	0.016
			8mmx3(CTF)	24.0	0.053	0.040	0.015
			0.5mmx20(Helical)	10.0	0.075	0.057	0.021
			0.5mmx40(Helical)	20.0	0.063	0.048	0.017
			0.5mmx64(Helical)	32.0	0.058	0.044	0.016
			0.5mmx80(Helical)	40.0	0.053	0.040	0.015
			0.5mmx100(Helical)	50.0	0.051	0.039	0.014
			0.5mmx128(Helical)	64.0	0.052	0.039	0.014
			0.5mmx160(Helical)	80.0	0.051	0.039	0.014
			1mmx40(Helical)	40.0	0.053	0.040	0.015
Medium	100	100kV-S-304	0.5mmx4(Conventional)	2.0	0.365	0.268	0.110
			1mmx4(Conventional)	4.0	0.231	0.170	0.070
			2mmx4(Conventional)	8.0	0.163	0.120	0.049
			3mmx4(Conventional)	12.0	0.141	0.104	0.043
			4mmx4(Conventional)	16.0	0.130	0.096	0.039
			5mmx4(Conventional)	20.0	0.124	0.091	0.038
			8mmx4(Conventional)	32.0	0.113	0.083	0.034
			1mmx1(Conventional)	1.0	0.634	0.466	0.192
			0.5mmx80(Volume)	40.0	0.113	0.083	0.034
			0.5mmx120(Volume)	60.0	0.107	0.078	0.032
			0.5mmx160(Volume)	80.0	0.109	0.080	0.033
			0.5mmx200(Volume)	100.0	0.108	0.079	0.033
			0.5mmx240(Volume)	120.0	0.105	0.078	0.032
			0.5mmx256(Volume)	128.0	0.105	0.078	0.032
			0.5mmx260(Volume)	130.0	0.105	0.078	0.032
			0.5mmx280(Volume)	140.0	0.104	0.077	0.032
			0.5mmx320(Volume)	160.0	0.102	0.075	0.031
			0.5mmx8(SURE)	4.0	0.238	0.175	0.072
			2mmx1(CTF)	2.0	0.349	0.256	0.105
			4mmx1(CTF)	4.0	0.215	0.158	0.065
			6mmx1(CTF)	6.0	0.180	0.132	0.054
			8mmx1(CTF)	8.0	0.163	0.120	0.049
			2mmx3(CTF)	6.0	0.180	0.132	0.054
			4mmx3(CTF)	12.0	0.137	0.100	0.041
			6mmx3(CTF)	18.0	0.122	0.089	0.037
			8mmx3(CTF)	24.0	0.113	0.083	0.034
			0.5mmx20(Helical)	10.0	0.161	0.119	0.049
			0.5mmx40(Helical)	20.0	0.135	0.099	0.041
			0.5mmx64(Helical)	32.0	0.125	0.092	0.038
			0.5mmx80(Helical)	40.0	0.113	0.083	0.034
			0.5mmx100(Helical)	50.0	0.109	0.080	0.033
			0.5mmx128(Helical)	64.0	0.112	0.082	0.034
			0.5mmx160(Helical)	80.0	0.109	0.080	0.033
			1mmx40(Helical)	40.0	0.113	0.083	0.034
Medium	120	120kV-S-304	0.5mmx4(Conventional)	2.0	0.629	0.449	0.202
			1mmx4(Conventional)	4.0	0.398	0.284	0.128
			2mmx4(Conventional)	8.0	0.280	0.200	0.090
			3mmx4(Conventional)	12.0	0.244	0.174	0.078

			4mmx4(Conventional)	16.0	0.225	0.161	0.072
			5mmx4(Conventional)	20.0	0.214	0.153	0.069
			8mmx4(Conventional)	32.0	0.195	0.139	0.063
			1mmx1(Conventional)	1.0	1.093	0.781	0.352
			0.5mmx80(Volume)	40.0	0.195	0.139	0.063
			0.5mmx120(Volume)	60.0	0.184	0.131	0.059
			0.5mmx160(Volume)	80.0	0.188	0.135	0.061
			0.5mmx200(Volume)	100.0	0.186	0.133	0.060
			0.5mmx240(Volume)	120.0	0.182	0.130	0.058
			0.5mmx256(Volume)	128.0	0.182	0.130	0.058
			0.5mmx260(Volume)	130.0	0.182	0.130	0.058
			0.5mmx280(Volume)	140.0	0.180	0.128	0.058
			0.5mmx320(Volume)	160.0	0.175	0.125	0.056
			0.5mmx8(SURE)	4.0	0.411	0.294	0.132
			2mmx1(CTF)	2.0	0.601	0.430	0.193
			4mmx1(CTF)	4.0	0.370	0.264	0.119
			6mmx1(CTF)	6.0	0.310	0.222	0.100
			8mmx1(CTF)	8.0	0.280	0.200	0.090
			2mmx3(CTF)	6.0	0.310	0.222	0.100
			4mmx3(CTF)	12.0	0.235	0.168	0.076
			6mmx3(CTF)	18.0	0.210	0.150	0.067
			8mmx3(CTF)	24.0	0.195	0.139	0.063
			0.5mmx20(Helical)	10.0	0.278	0.199	0.089
			0.5mmx40(Helical)	20.0	0.233	0.167	0.075
			0.5mmx64(Helical)	32.0	0.216	0.154	0.069
			0.5mmx80(Helical)	40.0	0.195	0.139	0.063
			0.5mmx100(Helical)	50.0	0.188	0.135	0.061
			0.5mmx128(Helical)	64.0	0.193	0.138	0.062
			0.5mmx160(Helical)	80.0	0.188	0.135	0.061
			1mmx40(Helical)	40.0	0.195	0.139	0.063
Medium	135	135kV-S-304	0.5mmx4(Conventional)	2.0	0.874	0.611	0.262
			1mmx4(Conventional)	4.0	0.553	0.387	0.166
			2mmx4(Conventional)	8.0	0.390	0.272	0.117
			3mmx4(Conventional)	12.0	0.339	0.237	0.102
			4mmx4(Conventional)	16.0	0.312	0.218	0.094
			5mmx4(Conventional)	20.0	0.297	0.208	0.089
			8mmx4(Conventional)	32.0	0.271	0.189	0.081
			1mmx1(Conventional)	1.0	1.520	1.063	0.455
			0.5mmx80(Volume)	40.0	0.271	0.189	0.081
			0.5mmx120(Volume)	60.0	0.256	0.179	0.077
			0.5mmx160(Volume)	80.0	0.262	0.183	0.078
			0.5mmx200(Volume)	100.0	0.259	0.181	0.078
			0.5mmx240(Volume)	120.0	0.253	0.177	0.076
			0.5mmx256(Volume)	128.0	0.253	0.177	0.076
			0.5mmx260(Volume)	130.0	0.253	0.177	0.076
			0.5mmx280(Volume)	140.0	0.250	0.175	0.075
			0.5mmx320(Volume)	160.0	0.244	0.171	0.073
			0.5mmx8(SURE)	4.0	0.571	0.399	0.171
			2mmx1(CTF)	2.0	0.836	0.584	0.250
			4mmx1(CTF)	4.0	0.515	0.360	0.154
			6mmx1(CTF)	6.0	0.431	0.301	0.129
			8mmx1(CTF)	8.0	0.390	0.272	0.117
			2mmx3(CTF)	6.0	0.431	0.301	0.129
			4mmx3(CTF)	12.0	0.327	0.229	0.098
			6mmx3(CTF)	18.0	0.291	0.204	0.087
			8mmx3(CTF)	24.0	0.271	0.189	0.081
			0.5mmx20(Helical)	10.0	0.387	0.270	0.116
			0.5mmx40(Helical)	20.0	0.324	0.227	0.097
			0.5mmx64(Helical)	32.0	0.300	0.210	0.090
			0.5mmx80(Helical)	40.0	0.271	0.189	0.081
			0.5mmx100(Helical)	50.0	0.262	0.183	0.078
			0.5mmx128(Helical)	64.0	0.268	0.187	0.080
			0.5mmx160(Helical)	80.0	0.262	0.183	0.078
			1mmx40(Helical)	40.0	0.271	0.189	0.081

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion PRISM Edition (TSX-306A)取扱説明書より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large, [Head]: Medium

Table 16. Parameters related to dose index for Canon Aquilion Serve

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free ai}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Large	80	80kV-L-303	4x0.5mm(Axial)	2.0	0.258	0.152	0.087			
			4x1mm(Axial)	4.0	0.161	0.095	0.054			
			4x2mm(Axial)	8.0	0.113	0.067	0.038			
			4x3mm(Axial)	12.0	0.098	0.058	0.033			
			4x4mm(Axial)	16.0	0.090	0.053	0.030			
			4x5mm(Axial)	20.0	0.084	0.050	0.028			
			4x8mm(Axial)	32.0	0.079	0.046	0.026			
			1x1mm(Axial)	1.0	0.441	0.260	0.148			
			40x1mm(Helical&Axial)	40.0	0.080	0.047	0.027			
			80x0.5mm(Helical&Volume)	40.0	0.080	0.047	0.027			
			64x0.5mm(Helical&Volume)	32.0	0.080	0.047	0.027			
			40x0.5mm(Helical&Volume)	20.0	0.086	0.051	0.029			
			20x0.5mm(Helical)	10.0	0.093	0.055	0.031			
			3x2mm(CTF)	6.0	0.112	0.066	0.038			
			3x4mm(CTF)	12.0	0.128	0.075	0.043			
			3x6mm(CTF)	18.0	0.095	0.056	0.032			
			3x8mm(CTF)	24.0	0.066	0.039	0.022			
			8x0.5mm(RealPrep)	4.0	0.079	0.046	0.026			
			Large	100	100kV-L-303	4x0.5mm(Axial)	2.0	0.507	0.324	0.174
						4x1mm(Axial)	4.0	0.317	0.203	0.109
4x2mm(Axial)	8.0	0.223				0.142	0.076			
4x3mm(Axial)	12.0	0.193				0.123	0.066			
4x4mm(Axial)	16.0	0.176				0.113	0.060			
4x5mm(Axial)	20.0	0.166				0.106	0.057			
4x8mm(Axial)	32.0	0.155				0.099	0.053			
1x1mm(Axial)	1.0	0.868				0.554	0.298			
40x1mm(Helical&Axial)	40.0	0.158				0.101	0.054			
80x0.5mm(Helical&Volume)	40.0	0.158				0.101	0.054			
64x0.5mm(Helical&Volume)	32.0	0.158				0.101	0.054			
40x0.5mm(Helical&Volume)	20.0	0.170				0.108	0.058			
20x0.5mm(Helical)	10.0	0.183				0.117	0.063			
3x2mm(CTF)	6.0	0.219				0.140	0.075			
3x4mm(CTF)	12.0	0.251				0.160	0.086			
3x6mm(CTF)	18.0	0.186				0.119	0.064			
3x8mm(CTF)	24.0	0.130				0.083	0.045			
8x0.5mm(RealPrep)	4.0	0.155				0.099	0.053			
Large	120	120kV-L-303				4x0.5mm(Axial)	2.0	0.831	0.549	0.289
						4x1mm(Axial)	4.0	0.520	0.344	0.181
			4x2mm(Axial)	8.0	0.365	0.241	0.127			
			4x3mm(Axial)	12.0	0.316	0.209	0.110			
			4x4mm(Axial)	16.0	0.289	0.191	0.100			
			4x5mm(Axial)	20.0	0.273	0.180	0.095			
			4x8mm(Axial)	32.0	0.253	0.167	0.088			
			1x1mm(Axial)	1.0	1.422	0.940	0.495			
			40x1mm(Helical&Axial)	40.0	0.259	0.171	0.090			
			80x0.5mm(Helical&Volume)	40.0	0.259	0.171	0.090			
			64x0.5mm(Helical&Volume)	32.0	0.259	0.171	0.090			
			40x0.5mm(Helical&Volume)	20.0	0.278	0.184	0.097			
			20x0.5mm(Helical)	10.0	0.300	0.198	0.104			
			3x2mm(CTF)	6.0	0.360	0.238	0.125			
			3x4mm(CTF)	12.0	0.411	0.272	0.143			
			3x6mm(CTF)	18.0	0.305	0.202	0.106			
			3x8mm(CTF)	24.0	0.213	0.140	0.074			
			8x0.5mm(RealPrep)	4.0	0.253	0.167	0.088			
			Large	135	135kV-L-303	4x0.5mm(Axial)	2.0	1.139	0.762	0.391
						4x1mm(Axial)	4.0	0.713	0.477	0.245
4x2mm(Axial)	8.0	0.500				0.335	0.172			
4x3mm(Axial)	12.0	0.433				0.290	0.149			
4x4mm(Axial)	16.0	0.396				0.265	0.136			
4x5mm(Axial)	20.0	0.373				0.250	0.128			
4x8mm(Axial)	32.0	0.347				0.232	0.119			
1x1mm(Axial)	1.0	1.949				1.303	0.669			
40x1mm(Helical&Axial)	40.0	0.355				0.237	0.122			
80x0.5mm(Helical&Volume)	40.0	0.355				0.237	0.122			
64x0.5mm(Helical&Volume)	32.0	0.355				0.237	0.122			

			40x0.5mm(Helical&Volume)	20.0	0.381	0.255	0.131
			20x0.5mm(Helical)	10.0	0.411	0.275	0.141
			3x2mm(CTF)	6.0	0.493	0.330	0.169
			3x4mm(CTF)	12.0	0.564	0.377	0.193
			3x6mm(CTF)	18.0	0.418	0.280	0.144
			3x8mm(CTF)	24.0	0.291	0.195	0.100
			8x0.5mm(RealPrep)	4.0	0.347	0.232	0.119
Medium	80	80kV-S-304	4x0.5mm(Axial)	2.0	0.182	0.116	0.061
			4x1mm(Axial)	4.0	0.114	0.073	0.038
			4x2mm(Axial)	8.0	0.080	0.051	0.027
			4x3mm(Axial)	12.0	0.069	0.044	0.023
			4x4mm(Axial)	16.0	0.063	0.040	0.021
			4x5mm(Axial)	20.0	0.060	0.038	0.020
			4x8mm(Axial)	32.0	0.056	0.035	0.018
			1x1mm(Axial)	1.0	0.312	0.199	0.104
			40x1mm(Helical&Axial)	40.0	0.057	0.036	0.019
			80x0.5mm(Helical&Volume)	40.0	0.057	0.036	0.019
			64x0.5mm(Helical&Volume)	32.0	0.057	0.036	0.019
			40x0.5mm(Helical&Volume)	20.0	0.061	0.039	0.020
			20x0.5mm(Helical)	10.0	0.066	0.042	0.022
			3x2mm(CTF)	6.0	0.079	0.050	0.026
			3x4mm(CTF)	12.0	0.090	0.058	0.030
			3x6mm(CTF)	18.0	0.067	0.043	0.022
			3x8mm(CTF)	24.0	0.047	0.030	0.016
			8x0.5mm(RealPrep)	4.0	0.056	0.035	0.018
Medium	100	100kV-S-304	4x0.5mm(Axial)	2.0	0.358	0.248	0.107
			4x1mm(Axial)	4.0	0.224	0.155	0.067
			4x2mm(Axial)	8.0	0.157	0.109	0.047
			4x3mm(Axial)	12.0	0.136	0.094	0.041
			4x4mm(Axial)	16.0	0.125	0.086	0.037
			4x5mm(Axial)	20.0	0.117	0.081	0.035
			4x8mm(Axial)	32.0	0.109	0.076	0.033
			1x1mm(Axial)	1.0	0.613	0.424	0.183
			40x1mm(Helical&Axial)	40.0	0.112	0.077	0.033
			80x0.5mm(Helical&Volume)	40.0	0.112	0.077	0.033
			64x0.5mm(Helical&Volume)	32.0	0.112	0.077	0.033
			40x0.5mm(Helical&Volume)	20.0	0.120	0.083	0.036
			20x0.5mm(Helical)	10.0	0.129	0.089	0.039
			3x2mm(CTF)	6.0	0.155	0.107	0.046
			3x4mm(CTF)	12.0	0.177	0.123	0.053
			3x6mm(CTF)	18.0	0.132	0.091	0.039
			3x8mm(CTF)	24.0	0.092	0.063	0.027
			8x0.5mm(RealPrep)	4.0	0.109	0.076	0.033
Medium	120	120kV-S-304	4x0.5mm(Axial)	2.0	0.587	0.420	0.203
			4x1mm(Axial)	4.0	0.368	0.263	0.127
			4x2mm(Axial)	8.0	0.258	0.185	0.089
			4x3mm(Axial)	12.0	0.223	0.160	0.077
			4x4mm(Axial)	16.0	0.204	0.146	0.071
			4x5mm(Axial)	20.0	0.193	0.138	0.067
			4x8mm(Axial)	32.0	0.179	0.128	0.062
			1x1mm(Axial)	1.0	1.005	0.719	0.347
			40x1mm(Helical&Axial)	40.0	0.183	0.131	0.063
			80x0.5mm(Helical&Volume)	40.0	0.183	0.131	0.063
			64x0.5mm(Helical&Volume)	32.0	0.183	0.131	0.063
			40x0.5mm(Helical&Volume)	20.0	0.196	0.141	0.068
			20x0.5mm(Helical)	10.0	0.212	0.152	0.073
			3x2mm(CTF)	6.0	0.254	0.182	0.088
			3x4mm(CTF)	12.0	0.291	0.208	0.100
			3x6mm(CTF)	18.0	0.216	0.154	0.074
			3x8mm(CTF)	24.0	0.150	0.107	0.052
			8x0.5mm(RealPrep)	4.0	0.179	0.128	0.062
Medium	135	140kV-S-304	4x0.5mm(Axial)	2.0	0.805	0.583	0.275
			4x1mm(Axial)	4.0	0.504	0.365	0.172
			4x2mm(Axial)	8.0	0.353	0.256	0.121
			4x3mm(Axial)	12.0	0.306	0.222	0.104
			4x4mm(Axial)	16.0	0.280	0.203	0.095
			4x5mm(Axial)	20.0	0.264	0.191	0.090
			4x8mm(Axial)	32.0	0.245	0.178	0.084
			1x1mm(Axial)	1.0	1.377	0.997	0.470
			40x1mm(Helical&Axial)	40.0	0.251	0.182	0.086
			80x0.5mm(Helical&Volume)	40.0	0.251	0.182	0.086

		64x0.5mm(Helical&Volume)	32.0	0.251	0.182	0.086
		40x0.5mm(Helical&Volume)	20.0	0.269	0.195	0.092
		20x0.5mm(Helical)	10.0	0.290	0.210	0.099
		3x2mm(CTF)	6.0	0.348	0.252	0.119
		3x4mm(CTF)	12.0	0.398	0.289	0.136
		3x6mm(CTF)	18.0	0.295	0.214	0.101
		3x8mm(CTF)	24.0	0.206	0.149	0.070
		8x0.5mm(RealPrep)	4.0	0.245	0.178	0.084

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion Serve (TSX-307A)取扱説明書 (2B202-289JA*A) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Medium

Table 17. Parameters related to dose index for Canon Aquilion ONE INSIGHT Edition

Bow-tie Filter Name or Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Large	80	80kV-L-304	0.5mmx4(Axial)	2.0	0.168	0.136	0.056			
			1mmx4(Axial)	4.0	0.099	0.080	0.033			
			2mmx4(Axial)	8.0	0.066	0.054	0.022			
			3mmx4(Axial)	12.0	0.058	0.047	0.019			
			4mmx4(Axial)	16.0	0.052	0.042	0.017			
			5mmx4(Axial)	20.0	0.045	0.037	0.015			
			8mmx4(Axial)	32.0	0.044	0.036	0.015			
			1mmx1(Axial)	1.0	0.297	0.241	0.100			
			0.5mmx80(Helical&Volume)	40.0	0.041	0.033	0.014			
			0.5mmx120(Helical&Volume)	60.0	0.038	0.031	0.013			
			0.5mmx160(Helical&Volume)	80.0	0.039	0.031	0.013			
			0.5mmx200(Helical&Volume)	100.0	0.038	0.031	0.013			
			0.5mmx240(Helical&Volume)	120.0	0.037	0.030	0.013			
			0.5mmx256(Helical&Volume)	128.0	0.037	0.030	0.012			
			0.5mmx260(Helical&Volume)	130.0	0.037	0.030	0.012			
			0.5mmx280(Helical&Volume)	140.0	0.036	0.030	0.012			
			0.5mmx320(Helical&Volume)	160.0	0.036	0.029	0.012			
			0.5mmx8(SureExposure)	4.0	0.102	0.083	0.034			
			Large	100	100kV-L-304	0.5mmx4(Axial)	2.0	0.361	0.283	0.132
						1mmx4(Axial)	4.0	0.212	0.166	0.077
2mmx4(Axial)	8.0	0.142				0.112	0.052			
3mmx4(Axial)	12.0	0.124				0.097	0.045			
4mmx4(Axial)	16.0	0.111				0.087	0.041			
5mmx4(Axial)	20.0	0.097				0.076	0.035			
8mmx4(Axial)	32.0	0.095				0.074	0.035			
1mmx1(Axial)	1.0	0.637				0.501	0.233			
0.5mmx80(Helical&Volume)	40.0	0.087				0.068	0.032			
0.5mmx120(Helical&Volume)	60.0	0.081				0.064	0.030			
0.5mmx160(Helical&Volume)	80.0	0.083				0.065	0.030			
0.5mmx200(Helical&Volume)	100.0	0.081				0.064	0.030			
0.5mmx240(Helical&Volume)	120.0	0.080				0.063	0.029			
0.5mmx256(Helical&Volume)	128.0	0.079				0.062	0.029			
0.5mmx260(Helical&Volume)	130.0	0.079				0.062	0.029			
0.5mmx280(Helical&Volume)	140.0	0.078				0.062	0.029			
0.5mmx320(Helical&Volume)	160.0	0.076				0.060	0.028			
0.5mmx8(SureExposure)	4.0	0.219				0.172	0.080			
Large	120	120kV-L-304				0.5mmx4(Axial)	2.0	0.622	0.475	0.241
						1mmx4(Axial)	4.0	0.365	0.279	0.142
			2mmx4(Axial)	8.0	0.245	0.187	0.095			
			3mmx4(Axial)	12.0	0.213	0.163	0.083			
			4mmx4(Axial)	16.0	0.192	0.146	0.074			
			5mmx4(Axial)	20.0	0.167	0.127	0.065			
			8mmx4(Axial)	32.0	0.163	0.125	0.063			
			1mmx1(Axial)	1.0	1.098	0.839	0.426			
			0.5mmx80(Helical&Volume)	40.0	0.150	0.115	0.058			
			0.5mmx120(Helical&Volume)	60.0	0.140	0.107	0.054			
			0.5mmx160(Helical&Volume)	80.0	0.143	0.109	0.056			
			0.5mmx200(Helical&Volume)	100.0	0.140	0.107	0.054			
			0.5mmx240(Helical&Volume)	120.0	0.138	0.106	0.054			
			0.5mmx256(Helical&Volume)	128.0	0.137	0.104	0.053			
			0.5mmx260(Helical&Volume)	130.0	0.137	0.104	0.053			
			0.5mmx280(Helical&Volume)	140.0	0.135	0.103	0.052			
			0.5mmx320(Helical&Volume)	160.0	0.132	0.101	0.051			
			0.5mmx8(SureExposure)	4.0	0.378	0.289	0.147			
			Large	135	135kV-L-304	0.5mmx4(Axial)	2.0	0.858	0.647	0.340
						1mmx4(Axial)	4.0	0.504	0.380	0.199
2mmx4(Axial)	8.0	0.338				0.255	0.134			
3mmx4(Axial)	12.0	0.294				0.222	0.117			
4mmx4(Axial)	16.0	0.265				0.200	0.105			
5mmx4(Axial)	20.0	0.230				0.174	0.091			
8mmx4(Axial)	32.0	0.225				0.170	0.089			
1mmx1(Axial)	1.0	1.516				1.144	0.600			
0.5mmx80(Helical&Volume)	40.0	0.207				0.156	0.082			
0.5mmx120(Helical&Volume)	60.0	0.193				0.146	0.076			
0.5mmx160(Helical&Volume)	80.0	0.198				0.149	0.078			
0.5mmx200(Helical&Volume)	100.0	0.193				0.146	0.076			

			0.5mmx240(Helical&Volume)	120.0	0.191	0.144	0.076
			0.5mmx256(Helical&Volume)	128.0	0.189	0.142	0.075
			0.5mmx260(Helical&Volume)	130.0	0.189	0.142	0.075
			0.5mmx280(Helical&Volume)	140.0	0.186	0.141	0.074
			0.5mmx320(Helical&Volume)	160.0	0.182	0.137	0.072
			0.5mmx8(SureExposure)	4.0	0.522	0.394	0.207
Medium	80	80kV-S-304	0.5mmx4(Axial)	2.0	0.220	0.167	0.063
			1mmx4(Axial)	4.0	0.129	0.098	0.037
			2mmx4(Axial)	8.0	0.087	0.066	0.025
			3mmx4(Axial)	12.0	0.075	0.057	0.022
			4mmx4(Axial)	16.0	0.068	0.052	0.020
			5mmx4(Axial)	20.0	0.059	0.045	0.017
			8mmx4(Axial)	32.0	0.058	0.044	0.017
			1mmx1(Axial)	1.0	0.388	0.296	0.112
			0.5mmx80(Helical&Volume)	40.0	0.053	0.040	0.015
			0.5mmx120(Helical&Volume)	60.0	0.050	0.038	0.014
			0.5mmx160(Helical&Volume)	80.0	0.051	0.039	0.015
			0.5mmx200(Helical&Volume)	100.0	0.050	0.038	0.014
			0.5mmx240(Helical&Volume)	120.0	0.049	0.037	0.014
			0.5mmx256(Helical&Volume)	128.0	0.048	0.037	0.014
			0.5mmx260(Helical&Volume)	130.0	0.048	0.037	0.014
			0.5mmx280(Helical&Volume)	140.0	0.048	0.036	0.014
			0.5mmx320(Helical&Volume)	160.0	0.047	0.035	0.013
			0.5mmx8(SureExposure)	4.0	0.134	0.102	0.039
Medium	100	100kV-S-304	0.5mmx4(Axial)	2.0	0.472	0.348	0.148
			1mmx4(Axial)	4.0	0.277	0.205	0.087
			2mmx4(Axial)	8.0	0.186	0.137	0.058
			3mmx4(Axial)	12.0	0.162	0.120	0.051
			4mmx4(Axial)	16.0	0.146	0.107	0.046
			5mmx4(Axial)	20.0	0.127	0.093	0.040
			8mmx4(Axial)	32.0	0.124	0.092	0.039
			1mmx1(Axial)	1.0	0.835	0.616	0.261
			0.5mmx80(Helical&Volume)	40.0	0.114	0.084	0.036
			0.5mmx120(Helical&Volume)	60.0	0.106	0.078	0.033
			0.5mmx160(Helical&Volume)	80.0	0.109	0.080	0.034
			0.5mmx200(Helical&Volume)	100.0	0.106	0.078	0.033
			0.5mmx240(Helical&Volume)	120.0	0.105	0.078	0.033
			0.5mmx256(Helical&Volume)	128.0	0.104	0.077	0.033
			0.5mmx260(Helical&Volume)	130.0	0.104	0.077	0.033
			0.5mmx280(Helical&Volume)	140.0	0.103	0.076	0.032
			0.5mmx320(Helical&Volume)	160.0	0.100	0.074	0.031
			0.5mmx8(SureExposure)	4.0	0.287	0.212	0.090
Medium	120	120kV-S-304	0.5mmx4(Axial)	2.0	0.814	0.584	0.271
			1mmx4(Axial)	4.0	0.478	0.343	0.159
			2mmx4(Axial)	8.0	0.321	0.230	0.107
			3mmx4(Axial)	12.0	0.279	0.200	0.093
			4mmx4(Axial)	16.0	0.251	0.180	0.084
			5mmx4(Axial)	20.0	0.218	0.157	0.073
			8mmx4(Axial)	32.0	0.214	0.153	0.071
			1mmx1(Axial)	1.0	1.439	1.032	0.479
			0.5mmx80(Helical&Volume)	40.0	0.197	0.141	0.065
			0.5mmx120(Helical&Volume)	60.0	0.183	0.132	0.061
			0.5mmx160(Helical&Volume)	80.0	0.188	0.135	0.063
			0.5mmx200(Helical&Volume)	100.0	0.183	0.132	0.061
			0.5mmx240(Helical&Volume)	120.0	0.181	0.130	0.060
			0.5mmx256(Helical&Volume)	128.0	0.179	0.128	0.060
			0.5mmx260(Helical&Volume)	130.0	0.179	0.128	0.060
			0.5mmx280(Helical&Volume)	140.0	0.177	0.127	0.059
			0.5mmx320(Helical&Volume)	160.0	0.172	0.124	0.057
			0.5mmx8(SureExposure)	4.0	0.496	0.355	0.165
Medium	135	135kV-S-304	0.5mmx4(Axial)	2.0	1.124	0.796	0.382
			1mmx4(Axial)	4.0	0.660	0.467	0.224
			2mmx4(Axial)	8.0	0.443	0.314	0.151
			3mmx4(Axial)	12.0	0.386	0.273	0.131
			4mmx4(Axial)	16.0	0.346	0.245	0.118
			5mmx4(Axial)	20.0	0.301	0.213	0.102
			8mmx4(Axial)	32.0	0.295	0.209	0.100
			1mmx1(Axial)	1.0	1.986	1.407	0.675
			0.5mmx80(Helical&Volume)	40.0	0.271	0.192	0.092
			0.5mmx120(Helical&Volume)	60.0	0.253	0.179	0.086
			0.5mmx160(Helical&Volume)	80.0	0.259	0.184	0.088

		0.5mmx200(Helical&Volume)	100.0	0.253	0.179	0.086
		0.5mmx240(Helical&Volume)	120.0	0.250	0.177	0.085
		0.5mmx256(Helical&Volume)	128.0	0.247	0.175	0.084
		0.5mmx260(Helical&Volume)	130.0	0.247	0.175	0.084
		0.5mmx280(Helical&Volume)	140.0	0.244	0.173	0.083
		0.5mmx320(Helical&Volume)	160.0	0.238	0.169	0.081
		0.5mmx8(SureExposure)	4.0	0.684	0.484	0.233

* $nCTDI_{free\ air}$, $nCTDI_w$ は Toshiba Aquilion INSIGHT Edition (TSX-308A)取扱説明書より算出
 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Medium

Table 18. Parameters related to dose index for Fujifilm/Hitachi Eclos Series (Eclos 4, Eclos8, Eclos16)

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Normal	100	100kV-M-401	20mm	20.0	0.157	0.109	0.054
			15mm	15.0	0.172	0.119	0.059
			10mm	10.0	0.191	0.132	0.065
			5mm	5.0	0.214	0.148	0.073
			2.5mm	2.5	0.241	0.167	0.082
Normal	120	120kV-M-401	20mm	20.0	0.235	0.163	0.085
			15mm	15.0	0.257	0.179	0.094
			10mm	10.0	0.286	0.199	0.104
			5mm	5.0	0.320	0.223	0.116
			2.5mm	2.5	0.360	0.250	0.131
Normal	130	130kV-M-401	20mm	20.0	0.288	0.196	0.100
			15mm	15.0	0.316	0.215	0.110
			10mm	10.0	0.351	0.239	0.122
			5mm	5.0	0.393	0.267	0.137
			2.5mm	2.5	0.590	0.401	0.205

* $nCTDI_{free\ air}$, $nCTDI_w$ は株式会社日立製作所ヘルスケア BU 提供資料より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Normal

[Head]: Normal

* 130kV は準備中

Table 19. Parameters related to dose index for Fujifilm/Hitachi Supria series (Supria, Supria Advance, Supria Grande, Supria Grande Advance)

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Normal	80	80kV-M-401	40mm	40.0	0.085	0.053	0.025
			20mm	20.0	0.086	0.054	0.025
			15mm	15.0	0.094	0.059	0.028
			10mm	10.0	0.106	0.067	0.031
			5mm	5.0	0.109	0.068	0.032
			1.25mm	1.25	0.179	0.112	0.053
Normal	100	100kV-M-401	40mm	40.0	0.146	0.099	0.050
			20mm	20.0	0.148	0.101	0.050
			15mm	15.0	0.163	0.111	0.055
			10mm	10.0	0.183	0.124	0.062
			5mm	5.0	0.188	0.128	0.064
			1.25mm	1.25	0.309	0.210	0.105
Normal	120	120kV-M-401	40mm	40.0	0.219	0.156	0.080
			20mm	20.0	0.222	0.158	0.081
			15mm	15.0	0.244	0.174	0.089
			10mm	10.0	0.274	0.195	0.101
			5mm	5.0	0.282	0.201	0.104
			1.25mm	1.25	0.463	0.330	0.170
Normal	140	140kV-M-401	40mm	40.0	0.307	0.223	0.120
			20mm	20.0	0.311	0.226	0.121
			15mm	15.0	0.342	0.248	0.133
			10mm	10.0	0.384	0.278	0.150
			5mm	5.0	0.395	0.287	0.154
			1.25mm	1.25	0.649	0.470	0.253

* $nCTDI_{free\ air}$, $nCTDI_w$ は株式会社日立製作所ヘルスケア BU 提供資料より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Normal

[Head]: Normal

Table 20. Parameters related to dose index for Fujifilm/Hitachi SCENARIA/SCENARIA EX Edition

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Normal	80	80kV-M-401	40mm	40.0	0.096	0.063	0.029
			20mm	20.0	0.103	0.068	0.032
			15mm	15.0	0.108	0.071	0.033
			10mm	10.0	0.122	0.079	0.037
			5mm	5.0	0.156	0.102	0.048
			1.25mm	1.25	0.255	0.167	0.078
Normal	100	100kV-M-401	40mm	40.0	0.164	0.115	0.057
			20mm	20.0	0.176	0.124	0.061
			15mm	15.0	0.185	0.130	0.064
			10mm	10.0	0.208	0.146	0.072
			5mm	5.0	0.266	0.187	0.092
			1.25mm	1.25	0.436	0.307	0.151
Normal	120	120kV-M-401	40mm	40.0	0.244	0.179	0.091
			20mm	20.0	0.263	0.192	0.097
			15mm	15.0	0.275	0.201	0.102
			10mm	10.0	0.309	0.226	0.115
			5mm	5.0	0.396	0.289	0.147
			1.25mm	1.25	0.649	0.475	0.241
Normal	140	140kV-M-401	40mm	40.0	0.333	0.252	0.131
			20mm	20.0	0.358	0.271	0.141
			15mm	15.0	0.375	0.284	0.148
			10mm	10.0	0.422	0.319	0.166
			5mm	5.0	0.540	0.408	0.213
			1.25mm	1.25	0.885	0.669	0.349
Small	80	80kV-S-401	40mm	40.0	0.096	0.056	0.022
			20mm	20.0	0.103	0.060	0.023
			15mm	15.0	0.110	0.063	0.024
			10mm	10.0	0.123	0.071	0.027
			5mm	5.0	0.158	0.091	0.035
			1.25mm	1.25	0.258	0.149	0.058
Small	100	100kV-S-401	40mm	40.0	0.164	0.105	0.043
			20mm	20.0	0.177	0.113	0.046
			15mm	15.0	0.187	0.119	0.048
			10mm	10.0	0.210	0.133	0.054
			5mm	5.0	0.269	0.170	0.070
			1.25mm	1.25	0.442	0.280	0.114
Small	120	120kV-S-401	40mm	40.0	0.239	0.163	0.069
			20mm	20.0	0.258	0.176	0.074
			15mm	15.0	0.273	0.184	0.078
			10mm	10.0	0.307	0.207	0.087
			5mm	5.0	0.393	0.265	0.112
			1.25mm	1.25	0.645	0.434	0.183
Small	140	140kV-S-401	40mm	40.0	0.332	0.230	0.098
			20mm	20.0	0.358	0.248	0.105
			15mm	15.0	0.379	0.262	0.112
			10mm	10.0	0.426	0.295	0.126
			5mm	5.0	0.545	0.377	0.161
			1.25mm	1.25	0.894	0.619	0.264

* $nCTDI_{free\ air}$, $nCTDI_w$ は株式会社日立製作所ヘルスケア BU 提供資料より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Normal

[Head]: Small

Table 21. Parameters related to dose index for Fujifilm/Hitachi SCENARIO View

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Normal	80	80kV-M-401	40mm(64x0.625mm)	40.0	0.092	0.0556	0.0268
			20mm(32x0.625mm)	20.0	0.100	0.0607	0.0292
			10mm(16x0.625mm)	10.0	0.116	0.0700	0.0337
			5mm(8x0.625mm)	5.0	0.114	0.0690	0.0332
			1.25mm(2x0.625mm)	1.25	0.281	0.1703	0.0820
Normal	100	100kV-M-401	40mm(64x0.625mm)	40.0	0.158	0.1041	0.0529
			20mm(32x0.625mm)	20.0	0.172	0.1136	0.0576
			10mm(16x0.625mm)	10.0	0.199	0.1311	0.0665
			5mm(8x0.625mm)	5.0	0.196	0.1292	0.0655
			1.25mm(2x0.625mm)	1.25	0.484	0.3188	0.1618
Normal	120	120kV-M-401	40mm(64x0.625mm)	40.0	0.236	0.1632	0.0857
			20mm(32x0.625mm)	20.0	0.258	0.1780	0.0934
			10mm(16x0.625mm)	10.0	0.298	0.2055	0.1078
			5mm(8x0.625mm)	5.0	0.293	0.2024	0.1062
			1.25mm(2x0.625mm)	1.25	0.724	0.4996	0.2622
Normal	140	140kV-M-401	40mm(64x0.625mm)	40.0	0.325	0.2298	0.1238
			20mm(32x0.625mm)	20.0	0.355	0.2506	0.1350
			10mm(16x0.625mm)	10.0	0.410	0.2893	0.1558
			5mm(8x0.625mm)	5.0	0.403	0.2850	0.1535
			1.25mm(2x0.625mm)	1.25	0.996	0.7035	0.3789
Small	80	80kV-S-401	40mm(64x0.625mm)	40.0	0.091	0.050	0.020
			20mm(32x0.625mm)	20.0	0.100	0.054	0.022
			10mm(16x0.625mm)	10.0	0.115	0.063	0.025
			5mm(8x0.625mm)	5.0	0.113	0.062	0.025
			1.25mm(2x0.625mm)	1.25	0.279	0.153	0.061
Small	100	100kV-S-401	40mm(64x0.625mm)	40.0	0.157	0.095	0.040
			20mm(32x0.625mm)	20.0	0.171	0.103	0.044
			10mm(16x0.625mm)	10.0	0.198	0.119	0.050
			5mm(8x0.625mm)	5.0	0.195	0.118	0.050
			1.25mm(2x0.625mm)	1.25	0.480	0.290	0.123
Small	120	120kV-S-401	40mm(64x0.625mm)	40.0	0.235	0.150	0.066
			20mm(32x0.625mm)	20.0	0.257	0.164	0.072
			10mm(16x0.625mm)	10.0	0.296	0.189	0.083
			5mm(8x0.625mm)	5.0	0.292	0.186	0.082
			1.25mm(2x0.625mm)	1.25	0.720	0.459	0.201
Small	140	140kV-S-401	40mm(64x0.625mm)	40.0	0.323	0.213	0.096
			20mm(32x0.625mm)	20.0	0.353	0.232	0.104
			10mm(16x0.625mm)	10.0	0.407	0.268	0.121
			5mm(8x0.625mm)	5.0	0.401	0.264	0.119
			1.25mm(2x0.625mm)	1.25	0.990	0.651	0.293

* $nCTDI_{free\ air}$, $nCTDI_w$ は株式会社日立製作所ヘルスケア BU 提供資料より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Normal

[Head]: Small

Table 22. Parameters related to dose index for GE Light Speed 16

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-101	20mm	20	0.092	ND	0.027
			15mm	15	0.101	ND	0.029
			10mm	10	0.107	ND	0.031
			5mm	5	0.135	ND	0.039
			1.25mm	1.25	0.141	ND	0.041
Large	100	100kV-L-101	20mm	20	0.171	ND	0.058
			15mm	15	0.187	ND	0.064
			10mm	10	0.199	ND	0.068
			5mm	5	0.251	ND	0.086
			1.25mm	1.25	0.261	ND	0.089
Large	120	120kV-L-101	20mm	20	0.252	ND	0.100
			15mm	15	0.276	ND	0.109
			10mm	10	0.293	ND	0.116
			5mm	5	0.370	ND	0.146
			1.25mm	1.25	0.384	ND	0.152
Small	80	80kV-S-101	20mm	20	0.112	0.064	ND
			15mm	15	0.122	0.070	ND
			10mm	10	0.130	0.074	ND
			5mm	5	0.164	0.093	ND
			1.25mm	1.25	0.171	0.097	ND
Small	100	100kV-S-101	20mm	20	0.189	0.117	ND
			15mm	15	0.206	0.128	ND
			10mm	10	0.219	0.136	ND
			5mm	5	0.276	0.171	ND
			1.25mm	1.25	0.287	0.178	ND
Small	120	120kV-S-101	20mm	20	0.277	0.180	ND
			15mm	15	0.302	0.197	ND
			10mm	10	0.322	0.209	ND
			5mm	5	0.405	0.264	ND
			1.25mm	1.25	0.421	0.274	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImPACT 1.04.

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 23. Parameters related to dose index for GE Light Speed RT

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-101	20mm	20	0.079	ND	0.029
			15mm	15	0.085	ND	0.031
			10mm	10	0.092	ND	0.034
			5mm	5	0.113	ND	0.042
			2x0.63mm	1.26	0.117	ND	0.043
			1x1.25mm	1.25	0.223	ND	0.082
Large	100	100kV-L-101	20mm	20	0.137	ND	0.054
			15mm	15	0.148	ND	0.059
			10mm	10	0.159	ND	0.063
			5mm	5	0.196	ND	0.078
			2x0.63mm	1.26	0.203	ND	0.081
			1x1.25mm	1.25	0.387	ND	0.154
Large	120	120kV-L-101	20mm	20	0.206	ND	0.085
			15mm	15	0.223	ND	0.092
			10mm	10	0.239	ND	0.099
			5mm	5	0.295	ND	0.122
			2x0.63mm	1.26	0.305	ND	0.127
			1x1.25mm	1.25	0.582	ND	0.241
Small	80	80kV-S-101	20mm	20	0.113	0.065	ND
			15mm	15	0.123	0.071	ND
			10mm	10	0.132	0.076	ND
			5mm	5	0.163	0.094	ND
			2x0.63mm	1.26	0.168	0.097	ND
			1x1.25mm	1.25	0.321	0.185	ND
Small	100	100kV-S-101	20mm	20	0.182	0.114	ND
			15mm	15	0.197	0.123	ND
			10mm	10	0.211	0.132	ND
			5mm	5	0.261	0.163	ND
			2x0.63mm	1.26	0.270	0.169	ND
			1x1.25mm	1.25	0.514	0.322	ND
Small	120	120kV-S-101	20mm	20	0.281	0.184	ND
			15mm	15	0.302	0.198	ND
			10mm	10	0.373	0.245	ND
			5mm	5	0.385	0.253	ND
			2x0.63mm	1.26	0.735	0.482	ND
			1x1.25mm	1.25	0.259	0.170	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImpACT 1.04.

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 24. Parameters related to dose index for GE Light Speed Ultra

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-101	20mm	20	0.092	ND	0.031
			15mm	15	0.106	ND	0.036
			10mm	10	0.105	ND	0.036
			5mm	5	0.131	ND	0.044
			1x1.25mm	1.25	0.223	ND	0.076
			2x0.63mm	1.26	0.134	ND	0.046
Large	100	100kV-L-101	20mm	20	0.165	ND	0.060
			15mm	15	0.191	ND	0.070
			10mm	10	0.189	ND	0.070
			5mm	5	0.234	ND	0.086
			1x1.25mm	1.25	0.401	ND	0.147
			2x0.63mm	1.26	0.240	ND	0.088
Large	120	120kV-L-101	20mm	20	0.252	ND	0.100
			15mm	15	0.293	ND	0.116
			10mm	10	0.290	ND	0.115
			5mm	5	0.359	ND	0.143
			1x1.25mm	1.25	0.614	ND	0.244
			2x0.63mm	1.26	0.368	ND	0.146
Small	80	80kV-S-101	20mm	20	0.124	0.070	ND
			15mm	15	0.144	0.082	ND
			10mm	10	0.142	0.081	ND
			5mm	5	0.177	0.100	ND
			1x1.25mm	1.25	0.302	0.171	ND
			2x0.63mm	1.26	0.181	0.102	ND
Small	100	100kV-S-101	20mm	20	0.207	0.127	ND
			15mm	15	0.241	0.148	ND
			10mm	10	0.238	0.146	ND
			5mm	5	0.296	0.181	ND
			1x1.25mm	1.25	0.505	0.310	ND
			2x0.63mm	1.26	0.303	0.186	ND
Small	120	120kV-S-101	20mm	20	0.304	0.195	ND
			15mm	15	0.353	0.226	ND
			10mm	10	0.350	0.224	ND
			5mm	5	0.433	0.278	ND
			1x1.25mm	1.25	0.741	0.475	ND
			2x0.63mm	1.26	0.444	0.285	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImpACT 1.04.

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Small

Table 25. Parameters related to dose index for GE Light Speed VCT

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-102	40mm	40	0.090	ND	0.030
			20mm	20	0.096	ND	0.033
			10mm	10	0.115	ND	0.039
			1.25mm	1.25	0.152	ND	0.052
Large	120	80kV-L-102	40mm	40	0.240	ND	0.093
			20mm	20	0.257	ND	0.100
			10mm	10	0.307	ND	0.120
			1.25mm	1.25	0.407	ND	0.159
Medium	80	80kV-M-102	40mm	40	0.128	0.081	0.034
			20mm	20	0.136	0.086	0.036
			10mm	10	0.163	0.103	0.043
			1.25mm	1.25	0.216	0.137	0.058
Medium	120	120kV-M-102	40mm	40	0.301	0.217	0.095
			20mm	20	0.322	0.233	0.102
			10mm	10	0.385	0.278	0.122
			1.25mm	1.25	0.511	0.369	0.162
Small	80	80kV-S-102	40mm	40	0.127	0.071	ND
			20mm	20	0.136	0.076	ND
			10mm	10	0.163	0.090	ND
			1.25mm	1.25	0.216	0.120	ND
Small	120	120kV-S-102	40mm	40	0.300	0.193	ND
			20mm	20	0.321	0.206	ND
			10mm	10	0.383	0.247	ND
			1.25mm	1.25	0.509	0.328	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImPACT 1.04.

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[LargeBody]: Large

[Body]: Medium

[Head]: Medium

[SmallHead]: Small

Table 26. Parameters related to dose index for GE BrightSpeed Elite

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-103	2x10mm	20	0.086	ND	0.029
			4x3.75mm	15	0.077	ND	0.026
			2x5mm	10	0.090	ND	0.031
			8x1.25mm	10	0.090	ND	0.031
			16x0.625mm	10	0.090	ND	0.031
			2x0.625mm	1.25	0.176	ND	0.060
			1x1.25mm	1.25	0.176	ND	0.060
Large	100	100kV-L-103	2x10mm	20	0.161	ND	0.056
			4x3.75mm	15	0.144	ND	0.050
			2x5mm	10	0.169	ND	0.058
			8x1.25mm	10	0.169	ND	0.058
			16x0.625mm	10	0.169	ND	0.058
			2x0.625mm	1.25	0.329	ND	0.114
			1x1.25mm	1.25	0.329	ND	0.114
Large	120	120kV-L-103	2x10mm	20	0.246	ND	0.093
			4x3.75mm	15	0.220	ND	0.083
			2x5mm	10	0.257	ND	0.097
			8x1.25mm	10	0.257	ND	0.097
			16x0.625mm	10	0.257	ND	0.097
			2x0.625mm	1.25	0.502	ND	0.189
			1x1.25mm	1.25	0.502	ND	0.189
Large	140	140kV-L-103	2x10mm	20	0.339	ND	0.127
			4x3.75mm	15	0.303	ND	0.114
			2x5mm	10	0.355	ND	0.133
			8x1.25mm	10	0.355	ND	0.133
			16x0.625mm	10	0.355	ND	0.133
			2x0.625mm	1.25	0.692	ND	0.260
			1x1.25mm	1.25	0.692	ND	0.260
Medium	80	80kV-M-103	2x10mm	20	0.103	0.066	ND
			4x3.75mm	15	0.092	0.059	ND
			2x5mm	10	0.108	0.069	ND
			8x1.25mm	10	0.108	0.069	ND
			16x0.625mm	10	0.108	0.069	ND
			2x0.625mm	1.25	0.210	0.135	ND
			1x1.25mm	1.25	0.210	0.135	ND
Medium	100	100kV-M-103	2x10mm	20	0.192	0.118	ND
			4x3.75mm	15	0.172	0.106	ND
			2x5mm	10	0.202	0.124	ND
			8x1.25mm	10	0.202	0.124	ND
			16x0.625mm	10	0.202	0.124	ND
			2x0.625mm	1.25	0.393	0.242	ND
			1x1.25mm	1.25	0.393	0.242	ND
Medium	120	120kV-M-103	2x10mm	20	0.293	0.184	ND
			4x3.75mm	15	0.262	0.165	ND
			2x5mm	10	0.307	0.193	ND
			8x1.25mm	10	0.307	0.193	ND
			16x0.625mm	10	0.307	0.193	ND
			2x0.625mm	1.25	0.599	0.376	ND
			1x1.25mm	1.25	0.599	0.376	ND
Medium	140	140kV-M-103	2x10mm	20	0.405	0.251	ND
			4x3.75mm	15	0.362	0.224	ND
			2x5mm	10	0.424	0.263	ND
			8x1.25mm	10	0.424	0.263	ND
			16x0.625mm	10	0.424	0.263	ND
			2x0.625mm	1.25	0.826	0.512	ND
			1x1.25mm	1.25	0.826	0.512	ND

* $nCTDI_{free\ air}$, $nCTDI_w$ は GE Healthcare BrightSpeed Elite 技術参照マニュアル (5454235-1JA) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Medium

Table 27. Parameters related to dose index for GE Discovery CT750HD/Revolution HD/Revolution GSI

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-103	64x0.625mm	40	0.084	ND	0.027
			32x0.625mm	20	0.093	ND	0.030
			16x0.625mm	10	0.105	ND	0.034
			8x0.625mm	5	0.127	ND	0.041
			4x0.625mm	2.5	0.131	ND	0.042
			2x0.625mm	1.25	0.178	ND	0.058
Large	100	100kV-L-103	64x0.625mm	40	0.148	ND	0.051
			32x0.625mm	20	0.165	ND	0.056
			16x0.625mm	10	0.186	ND	0.064
			8x0.625mm	5	0.225	ND	0.077
			4x0.625mm	2.5	0.233	ND	0.079
			2x0.625mm	1.25	0.316	ND	0.108
Large	120	120kV-L-103	64x0.625mm	40	0.222	ND	0.080
			32x0.625mm	20	0.247	ND	0.089
			16x0.625mm	10	0.279	ND	0.101
			8x0.625mm	5	0.338	ND	0.122
			4x0.625mm	2.5	0.349	ND	0.126
			2x0.625mm	1.25	0.473	ND	0.171
Large	140	140kV-L-103	64x0.625mm	40	0.318	ND	0.114
			32x0.625mm	20	0.353	ND	0.127
			16x0.625mm	10	0.400	ND	0.144
			8x0.625mm	5	0.483	ND	0.174
			4x0.625mm	2.5	0.499	ND	0.180
			2x0.625mm	1.25	0.676	ND	0.243
Medium	80	80kV-M-103	64x0.625mm	40	0.115	0.066	0.028
			32x0.625mm	20	0.128	0.073	0.031
			16x0.625mm	10	0.145	0.082	0.035
			8x0.625mm	5	0.175	0.100	0.042
			4x0.625mm	2.5	0.181	0.103	0.044
			2x0.625mm	1.25	0.245	0.139	0.059
Medium	100	100kV-M-103	64x0.625mm	40	0.191	0.119	0.052
			32x0.625mm	20	0.212	0.132	0.058
			16x0.625mm	10	0.240	0.149	0.066
			8x0.625mm	5	0.290	0.180	0.080
			4x0.625mm	2.5	0.299	0.186	0.082
			2x0.625mm	1.25	0.406	0.253	0.111
Medium	120	120kV-M-103	64x0.625mm	40	0.280	0.182	0.083
			32x0.625mm	20	0.311	0.202	0.092
			16x0.625mm	10	0.352	0.228	0.104
			8x0.625mm	5	0.426	0.276	0.126
			4x0.625mm	2.5	0.440	0.285	0.130
			2x0.625mm	1.25	0.596	0.386	0.177
Medium	140	140kV-M-103	64x0.625mm	40	0.378	0.254	0.118
			32x0.625mm	20	0.420	0.282	0.132
			16x0.625mm	10	0.475	0.319	0.149
			8x0.625mm	5	0.574	0.385	0.180
			4x0.625mm	2.5	0.593	0.398	0.186
			2x0.625mm	1.25	0.804	0.539	0.252
Small	80	80kV-S-103	64x0.625mm	40	0.117	0.058	0.024
			32x0.625mm	20	0.129	0.065	0.026
			16x0.625mm	10	0.146	0.073	0.030
			8x0.625mm	5	0.177	0.089	0.036
			4x0.625mm	2.5	0.183	0.092	0.037
			2x0.625mm	1.25	0.248	0.124	0.050
Small	100	100kV-S-103	64x0.625mm	40	0.192	0.106	0.044
			32x0.625mm	20	0.213	0.117	0.049
			16x0.625mm	10	0.241	0.133	0.055
			8x0.625mm	5	0.291	0.161	0.067
			4x0.625mm	2.5	0.301	0.166	0.069
			2x0.625mm	1.25	0.408	0.225	0.094
Small	120	120kV-S-103	64x0.625mm	40	0.280	0.162	0.070
			32x0.625mm	20	0.311	0.180	0.078
			16x0.625mm	10	0.352	0.203	0.088
			8x0.625mm	5	0.426	0.246	0.107

			4x0.625mm	2.5	0.440	0.254	0.110
			2x0.625mm	1.25	0.596	0.344	0.149
Small	140	140kV-S-103	64x0.625mm	40	0.380	0.226	0.100
			32x0.625mm	20	0.422	0.251	0.111
			16x0.625mm	10	0.478	0.284	0.126
			8x0.625mm	5	0.578	0.343	0.152
			4x0.625mm	2.5	0.597	0.355	0.157
			2x0.625mm	1.25	0.809	0.481	0.213

* $nCTDI_{free\ air}$, $nCTDI_w$ は GE Healthcare Discovery CT750HD 技術参照マニュアル (5317222-1JA,5693152-1JA) より算出

* 共通プロトコル名対応フィルタ

[LargeBody]: Large

[Body]: Medium

[SmallBody]: Small

[Head]: Medium

[SmallHead]: Small

[PedBody]: Small

[PedHead]: Small

Table 28. Parameters related to dose index for GE OptimaCT660

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-104	64x0.625mm	40	0.085	ND	0.028
			32x0.625mm	20	0.090	ND	0.029
			16x0.625mm	10	0.105	ND	0.034
			8x0.625mm	5	0.131	ND	0.043
			4x0.625mm	2.5	0.138	ND	0.045
Large	100	100kV-L-104	2x0.625mm	1.25	0.187	ND	0.061
			64x0.625mm	40	0.154	ND	0.054
			32x0.625mm	20	0.164	ND	0.057
			16x0.625mm	10	0.191	ND	0.067
			8x0.625mm	5	0.238	ND	0.084
Large	120	120kV-L-104	4x0.625mm	2.5	0.251	ND	0.088
			2x0.625mm	1.25	0.340	ND	0.119
			64x0.625mm	40	0.238	ND	0.087
			32x0.625mm	20	0.254	ND	0.093
			16x0.625mm	10	0.296	ND	0.108
Large	140	140kV-K-104	8x0.625mm	5	0.369	ND	0.135
			4x0.625mm	2.5	0.388	ND	0.142
			2x0.625mm	1.25	0.527	ND	0.192
			64x0.625mm	40	0.338	ND	0.127
			32x0.625mm	20	0.360	ND	0.135
Small	80	80kV-S-104	16x0.625mm	10	0.420	ND	0.157
			8x0.625mm	5	0.524	ND	0.196
			4x0.625mm	2.5	0.551	ND	0.206
			2x0.625mm	1.25	0.748	ND	0.280
			64x0.625mm	40	0.096	0.059	0.025
Small	100	100kV-S-104	32x0.625mm	20	0.102	0.063	0.027
			16x0.625mm	10	0.119	0.073	0.032
			8x0.625mm	5	0.149	0.092	0.039
			4x0.625mm	2.5	0.157	0.096	0.042
			2x0.625mm	1.25	0.212	0.131	0.056
Small	120	120kV-S-104	64x0.625mm	40	0.175	0.108	0.048
			32x0.625mm	20	0.186	0.115	0.051
			16x0.625mm	10	0.217	0.134	0.060
			8x0.625mm	5	0.271	0.168	0.074
			4x0.625mm	2.5	0.285	0.176	0.078
Small	140	140kV-S-104	2x0.625mm	1.25	0.386	0.239	0.106
			64x0.625mm	40	0.271	0.167	0.076
			32x0.625mm	20	0.288	0.178	0.081
			16x0.625mm	10	0.337	0.208	0.095
			8x0.625mm	5	0.420	0.259	0.118
Small	140	140kV-S-104	4x0.625mm	2.5	0.441	0.273	0.124
			2x0.625mm	1.25	0.599	0.370	0.168
			64x0.625mm	40	0.385	0.237	0.108
			32x0.625mm	20	0.409	0.252	0.115
			16x0.625mm	10	0.478	0.294	0.135
Small	140	140kV-S-104	8x0.625mm	5	0.596	0.366	0.168
			4x0.625mm	2.5	0.627	0.385	0.177
			2x0.625mm	1.25	0.850	0.523	0.240

* $nCTDI_{free\ air}$, $nCTDI_w$ は GE Healthcare Optima CT660 技術参照マニュアル (5641226-1JA) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[LargeBody]: Large

[Body]: Small

[Head]: Small

[PedBody]: Small

[PedHead]: Small

Table 29. Parameters related to dose index for GE Revolution EVO

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-104	8x5mm	40	0.090	ND	0.029
			4x5mm	20	0.105	ND	0.034
			2x5mm	10	0.131	ND	0.043
			1x5mm	5	0.138	ND	0.045
			1x2.5mm	2.5	0.187	ND	0.061
			1x1.25mm	1.25	0.085	ND	0.028
Large	100	100kV-L-104	8x5mm	40	0.154	ND	0.054
			4x5mm	20	0.164	ND	0.057
			2x5mm	10	0.191	ND	0.067
			1x5mm	5	0.238	ND	0.084
			1x2.5mm	2.5	0.251	ND	0.088
			1x1.25mm	1.25	0.340	ND	0.119
Large	120	120kV-L-104	8x5mm	40	0.238	ND	0.087
			4x5mm	20	0.254	ND	0.093
			2x5mm	10	0.296	ND	0.108
			1x5mm	5	0.369	ND	0.135
			1x2.5mm	2.5	0.388	ND	0.142
			1x1.25mm	1.25	0.527	ND	0.192
Large	140	140kV-L-104	8x5mm	40	0.338	ND	0.127
			4x5mm	20	0.360	ND	0.135
			2x5mm	10	0.420	ND	0.157
			1x5mm	5	0.524	ND	0.196
			1x2.5mm	2.5	0.551	ND	0.206
			1x1.25mm	1.25	0.748	ND	0.280
Small	80	80kV-S-104	8x5mm	40	0.096	0.059	0.025
			4x5mm	20	0.102	0.063	0.027
			2x5mm	10	0.119	0.073	0.032
			1x5mm	5	0.149	0.092	0.039
			1x2.5mm	2.5	0.157	0.096	0.042
			1x1.25mm	1.25	0.212	0.131	0.056
Small	100	100kV-S-104	8x5mm	40	0.175	0.108	0.048
			4x5mm	20	0.186	0.115	0.051
			2x5mm	10	0.217	0.134	0.060
			1x5mm	5	0.271	0.168	0.074
			1x2.5mm	2.5	0.285	0.176	0.078
			1x1.25mm	1.25	0.386	0.239	0.106
Small	120	120kV-S-104	8x5mm	40	0.271	0.167	0.076
			4x5mm	20	0.288	0.178	0.081
			2x5mm	10	0.337	0.208	0.095
			1x5mm	5	0.420	0.259	0.118
			1x2.5mm	2.5	0.441	0.273	0.124
			1x1.25mm	1.25	0.599	0.370	0.168
Small	140	140kV-S-104	8x5mm	40	0.385	0.237	0.108
			4x5mm	20	0.409	0.252	0.115
			2x5mm	10	0.478	0.294	0.135
			1x5mm	5	0.596	0.366	0.168
			1x2.5mm	2.5	0.627	0.385	0.177
			1x1.25mm	1.25	0.850	0.523	0.240

* $nCTDI_{free\ air}$, $nCTDI_w$ は GE Healthcare Revolution EVO 技術参照マニュアル (5614220-1JA) より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[LargeBody]: Large

[Body]: Small

[Head]: Small

[PedBody]: Small

[PedHead]: Small

Table 30. Parameters related to dose index for GE Revolution CT

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	70	70kV-L-105	8x0.625mm	5	0.077	0.048	0.022
			16x0.625mm	10	0.060	0.038	0.017
			32x0.625mm	20	0.051	0.032	0.015
			64x0.625mm	40	0.047	0.030	0.014
			128x0.625mm	80	0.046	0.029	0.013
			160x0.625mm	100	0.045	0.028	0.013
			192x0.625mm	120	0.045	0.028	0.013
			224x0.625mm	140	0.044	0.028	0.013
256x0.625mm	160	0.044	0.028	0.013			
Large	80	80kV-L-105	8x0.625mm	5	0.112	0.071	0.035
			16x0.625mm	10	0.087	0.055	0.027
			32x0.625mm	20	0.074	0.047	0.023
			64x0.625mm	40	0.069	0.043	0.022
			128x0.625mm	80	0.068	0.043	0.021
			160x0.625mm	100	0.066	0.042	0.021
			192x0.625mm	120	0.066	0.041	0.021
			224x0.625mm	140	0.064	0.041	0.020
256x0.625mm	160	0.064	0.040	0.020			
Large	100	100kV-L-105	8x0.625mm	5	0.201	0.127	0.069
			16x0.625mm	10	0.156	0.099	0.054
			32x0.625mm	20	0.133	0.084	0.046
			64x0.625mm	40	0.123	0.078	0.042
			128x0.625mm	80	0.122	0.077	0.042
			160x0.625mm	100	0.119	0.075	0.041
			192x0.625mm	120	0.118	0.074	0.040
			224x0.625mm	140	0.115	0.073	0.040
256x0.625mm	160	0.115	0.072	0.039			
Large	120	120kV-L-105	8x0.625mm	5	0.310	0.195	0.111
			16x0.625mm	10	0.241	0.152	0.087
			32x0.625mm	20	0.205	0.129	0.074
			64x0.625mm	40	0.190	0.119	0.068
			128x0.625mm	80	0.187	0.118	0.067
			160x0.625mm	100	0.183	0.115	0.066
			192x0.625mm	120	0.181	0.114	0.065
			224x0.625mm	140	0.178	0.112	0.064
256x0.625mm	160	0.177	0.112	0.064			
Large	140	140kV-L-105	8x0.625mm	5	0.437	0.275	0.162
			16x0.625mm	10	0.340	0.214	0.126
			32x0.625mm	20	0.289	0.182	0.107
			64x0.625mm	40	0.267	0.168	0.099
			128x0.625mm	80	0.264	0.167	0.098
			160x0.625mm	100	0.258	0.162	0.095
			192x0.625mm	120	0.256	0.161	0.095
			224x0.625mm	140	0.251	0.158	0.093
256x0.625mm	160	0.250	0.157	0.093			
Medium	70	70kV-M-105	8x0.625mm	5	0.097	0.059	0.027
			16x0.625mm	10	0.075	0.046	0.021
			32x0.625mm	20	0.064	0.039	0.018
			64x0.625mm	40	0.059	0.036	0.016
			128x0.625mm	80	0.059	0.036	0.016
			160x0.625mm	100	0.057	0.035	0.016
			192x0.625mm	120	0.057	0.035	0.016
			224x0.625mm	140	0.056	0.034	0.015
256x0.625mm	160	0.055	0.034	0.015			
Medium	80	80kV-M-105	8x0.625mm	5	0.142	0.089	0.041
			16x0.625mm	10	0.110	0.069	0.032
			32x0.625mm	20	0.094	0.059	0.027
			64x0.625mm	40	0.087	0.055	0.025
			128x0.625mm	80	0.086	0.054	0.025
			160x0.625mm	100	0.084	0.053	0.024
			192x0.625mm	120	0.083	0.052	0.024
			224x0.625mm	140	0.082	0.051	0.024
256x0.625mm	160	0.081	0.051	0.023			
Medium	100	100kV-M-105	8x0.625mm	5	0.254	0.162	0.076

			16x0.625mm	10	0.198	0.126	0.059
			32x0.625mm	20	0.168	0.107	0.050
			64x0.625mm	40	0.156	0.099	0.046
			128x0.625mm	80	0.154	0.098	0.046
			160x0.625mm	100	0.150	0.095	0.045
			192x0.625mm	120	0.149	0.095	0.044
			224x0.625mm	140	0.146	0.093	0.044
			256x0.625mm	160	0.145	0.092	0.043
Medium	120	120kV-M-105	8x0.625mm	5	0.392	0.247	0.119
			16x0.625mm	10	0.305	0.192	0.092
			32x0.625mm	20	0.259	0.163	0.079
			64x0.625mm	40	0.240	0.151	0.073
			128x0.625mm	80	0.237	0.149	0.072
			160x0.625mm	100	0.231	0.146	0.070
			192x0.625mm	120	0.229	0.145	0.070
			224x0.625mm	140	0.225	0.142	0.068
			256x0.625mm	160	0.224	0.141	0.068
Medium	140	140kV-M-105	8x0.625mm	5	0.553	0.347	0.169
			16x0.625mm	10	0.430	0.270	0.132
			32x0.625mm	20	0.365	0.230	0.112
			64x0.625mm	40	0.338	0.213	0.104
			128x0.625mm	80	0.334	0.210	0.102
			160x0.625mm	100	0.326	0.205	0.100
			192x0.625mm	120	0.323	0.203	0.099
			224x0.625mm	140	0.317	0.200	0.097
			256x0.625mm	160	0.316	0.199	0.097
Small	70	70kV-S-105	8x0.625mm	5	0.096	0.051	0.023
			16x0.625mm	10	0.075	0.040	0.018
			32x0.625mm	20	0.064	0.034	0.015
			64x0.625mm	40	0.059	0.031	0.014
			128x0.625mm	80	0.058	0.031	0.014
			160x0.625mm	100	0.057	0.030	0.013
			192x0.625mm	120	0.056	0.030	0.013
			224x0.625mm	140	0.055	0.029	0.013
			256x0.625mm	160	0.055	0.029	0.013
Small	80	80kV-S-105	8x0.625mm	5	0.141	0.076	0.034
			16x0.625mm	10	0.110	0.059	0.027
			32x0.625mm	20	0.093	0.051	0.023
			64x0.625mm	40	0.086	0.047	0.021
			128x0.625mm	80	0.085	0.046	0.021
			160x0.625mm	100	0.083	0.045	0.020
			192x0.625mm	120	0.083	0.045	0.020
			224x0.625mm	140	0.081	0.044	0.020
			256x0.625mm	160	0.081	0.044	0.020
Large	100	100kV-L-105	8x0.625mm	5	0.253	0.140	0.064
			16x0.625mm	10	0.197	0.109	0.050
			32x0.625mm	20	0.167	0.093	0.042
			64x0.625mm	40	0.155	0.086	0.039
			128x0.625mm	80	0.153	0.085	0.039
			160x0.625mm	100	0.149	0.083	0.038
			192x0.625mm	120	0.148	0.082	0.037
			224x0.625mm	140	0.145	0.081	0.037
			256x0.625mm	160	0.145	0.080	0.037
Large	120	120kV-L-105	8x0.625mm	5	0.390	0.218	0.102
			16x0.625mm	10	0.303	0.170	0.079
			32x0.625mm	20	0.258	0.144	0.067
			64x0.625mm	40	0.238	0.134	0.062
			128x0.625mm	80	0.236	0.132	0.062
			160x0.625mm	100	0.230	0.129	0.060
			192x0.625mm	120	0.228	0.128	0.060
			224x0.625mm	140	0.224	0.125	0.058
			256x0.625mm	160	0.223	0.125	0.058
Large	140	140kV-L-105	8x0.625mm	5	0.549	0.307	0.146
			16x0.625mm	10	0.427	0.239	0.114
			32x0.625mm	20	0.363	0.203	0.097
			64x0.625mm	40	0.336	0.188	0.089
			128x0.625mm	80	0.332	0.186	0.088
			160x0.625mm	100	0.324	0.181	0.086
			192x0.625mm	120	0.322	0.180	0.085
			224x0.625mm	140	0.316	0.176	0.084
			256x0.625mm	160	0.314	0.176	0.083

- * $nCTDI_{free\ air}$, $nCTDI_w$ は GE Healthcare Revolution CT, Revolution CT ES 技術参照マニュアル (5763055-1JA) より算出
- * 共通プロトコル名対応フィルタ / Filter corresponding to common protocol
 - [LargeBody]: Large
 - [Body]: Medium
 - [SmallBody]: Small
 - [Head]: Medium
 - [SmallHead]: Small
 - [PedBody]: Small
 - [PedHead]: Small

Table 31. Parameters related to dose index for Siemens SOMATOM Sensation 16

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	80	80kV-M-201	24mm	24	0.058	ND	0.023
			18mm	18	0.059	ND	0.024
			12mm	12	0.063	ND	0.026
			10mm	10	0.052	ND	0.021
			9mm	9	0.068	ND	0.027
			2mm	2	0.058	ND	0.023
Standard	120	80kV-M-201	1.2mm	1.2	0.081	ND	0.033
			24mm	24	0.169	ND	0.076
			18mm	18	0.172	ND	0.077
			12mm	12	0.185	ND	0.083
			10mm	10	0.153	ND	0.068
			9mm	9	0.197	ND	0.088
			2mm	2	0.168	ND	0.075
			1.2mm	1.2	0.237	ND	0.106

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImPACT 1.04.

* 共通プロトコル名対応フィルタ

[Body]: Standard

[Head]: Standard

Table32. Parameters related to dose index for Siemens SOMATOM Sensation 64

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	80	80kV-M-202	28.8mm	28.8	0.055	0.134	0.065
			19.2mm	19.2	0.060	0.145	0.070
			18mm	18	0.059	0.142	0.069
			10mm	10	0.049	0.120	0.058
			6mm	6	0.052	0.126	0.061
			5mm	5	0.049	0.118	0.058
Standard	100	100kV-M-202	28.8mm	28.8	0.111	0.081	0.038
			19.2mm	19.2	0.120	0.087	0.041
			18mm	18	0.118	0.086	0.040
			10mm	10	0.099	0.072	0.034
			6mm	6	0.104	0.076	0.035
			5mm	5	0.098	0.071	0.033
Standard	120	120kV-M-202	28.8mm	28.8	0.181	0.134	0.065
			19.2mm	19.2	0.195	0.145	0.070
			18mm	18	0.192	0.142	0.069
			10mm	10	0.161	0.120	0.058
			6mm	6	0.170	0.126	0.061
			5mm	5	0.160	0.118	0.058

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImPACT 1.04.

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

Table33. Parameters related to dose index for Siemens SOMATOM Emotion 6

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	80	80k-M-203	6x3mm	18	0.106	0.065	0.027
			6x2mm	12	0.113	0.069	0.028
			2x5mm	10	0.098	0.060	0.025
			6x1mm	6	0.132	0.081	0.033
			6x0.5mm	3	0.132	0.081	0.033
			1x1mm	1	0.105	0.064	0.027
Standard	110	110kV-M-203	6x3mm	18	0.214	0.147	0.067
			6x2mm	12	0.228	0.157	0.071
			2x5mm	10	0.199	0.137	0.062
			6x1mm	6	0.267	0.183	0.083
			6x0.5mm	3	0.268	0.184	0.083
			1x1mm	1	0.213	0.146	0.066
Standard	130	130kV-M-203	6x3mm	18	0.287	0.204	0.101
			6x2mm	12	0.306	0.217	0.107
			2x5mm	10	0.266	0.189	0.093
			6x1mm	6	0.359	0.255	0.126
			6x0.5mm	3	0.354	0.251	0.124
			1x1mm	1	0.266	0.189	0.093

* $nCTDI_{free\ air}$, $nCTDI_w$ is calculated based on ImpACT 1.04.

* 共通プロトコル名対応フィルタ

[Body]: Standard

[Head]: Standard

Table34. Parameters related to dose index for Siemens SOMATOM Emotion 16

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	80	80k-M-203	16x1.2mm	19.2	0.114	0.069	0.029
			2x8mm	16	0.101	0.061	0.025
			12x1.2mm	14.4	0.112	0.067	0.028
			2x5mm	10	0.103	0.062	0.026
			16x0.6mm	9.6	0.126	0.076	0.032
			12x0.6mm	7.2	0.142	0.086	0.035
Standard	110	110k-M-203	4x0.6mm	2.4	0.140	0.085	0.035
			16x1.2mm	19.2	0.233	0.160	0.072
			2x8mm	16	0.205	0.141	0.064
			12x1.2mm	14.4	0.228	0.157	0.071
			2x5mm	10	0.209	0.144	0.065
			16x0.6mm	9.6	0.257	0.177	0.080
Standard	130	130kV-M-203	12x0.6mm	7.2	0.290	0.200	0.090
			4x0.6mm	2.4	0.286	0.197	0.088
			16x1.2mm	19.2	0.340	0.242	0.114
			2x8mm	16	0.300	0.214	0.101
			12x1.2mm	14.4	0.334	0.238	0.112
			2x5mm	10	0.303	0.216	0.102
Standard	130	130kV-M-203	16x0.6mm	9.6	0.376	0.268	0.126
			12x0.6mm	7.2	0.425	0.303	0.143
			4x0.6mm	2.4	0.416	0.296	0.140

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Emotion 線量および画質に関する報告書 (C2-025.629.23.01.22) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

Table35. Parameters related to dose index for Siemens SOMATOM Perspective

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	80	80kV-M-203	2x1.0mm	2	0.191	0.113	0.048
			4x0.6mm	2.4	0.159	0.094	0.040
			12x0.6mm	7.2	0.143	0.085	0.036
			2x5mm	10	0.102	0.061	0.026
			32x0.6mm	19.2	0.116	0.069	0.029
			32x1.2mm	38.4	0.110	0.065	0.028
Standard	110	80kV-M-203	2x1.0mm	2	0.415	0.278	0.128
			4x0.6mm	2.4	0.347	0.232	0.107
			12x0.6mm	7.2	0.311	0.208	0.096
			2x5mm	10	0.223	0.149	0.069
			32x0.6mm	19.2	0.253	0.169	0.078
			32x1.2mm	38.4	0.240	0.161	0.074
Standard	130	130kV-M-203	2x1.0mm	2	0.578	0.399	0.190
			4x0.6mm	2.4	0.483	0.333	0.159
			12x0.6mm	7.2	0.434	0.299	0.143
			2x5mm	10	0.310	0.214	0.102
			32x0.6mm	19.2	0.352	0.243	0.116
			32x1.2mm	38.4	0.335	0.231	0.110

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Perspective 線量および画質に関する報告書より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

* Table36. Parameters related to dose index for Siemens SOMATOM Scope

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	80	80kV-M-203	4x0.6mm	2.4	0.146	0.082	0.034
			12x0.6mm	7.2	0.142	0.080	0.033
			16x0.6mm	9.6	0.126	0.071	0.029
			2x5.0mm	10.0	0.102	0.058	0.024
			12x1.2mm	14.4	0.112	0.063	0.026
			2x8.0mm	16.0	0.101	0.057	0.024
			16x1.2mm	19.2	0.114	0.064	0.026
Standard	110	80kV-M-203	4x0.6mm	2.4	0.286	0.183	0.082
			12x0.6mm	7.2	0.279	0.179	0.081
			16x0.6mm	9.6	0.247	0.159	0.071
			2x5.0mm	10.0	0.201	0.129	0.058
			12x1.2mm	14.4	0.220	0.141	0.064
			2x8.0mm	16.0	0.199	0.128	0.057
			16x1.2mm	19.2	0.223	0.143	0.064
Standard	130	130kV-M-203	4x0.6mm	2.4	0.403	0.271	0.126
			12x0.6mm	7.2	0.394	0.265	0.123
			16x0.6mm	9.6	0.349	0.235	0.109
			2x5.0mm	10.0	0.284	0.191	0.089
			12x1.2mm	14.4	0.311	0.209	0.097
			2x8.0mm	16.0	0.281	0.189	0.088
			16x1.2mm	19.2	0.315	0.211	0.098

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Scope 線量および画質に関する報告書より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

Table37. Parameters related to dose index for Siemens SOMATOM Definition Flash

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Standard	80	80kV-M-204	64x0.6mm (128x0.6)	38.4	0.064	0.043	0.020			
			32x1.2mm	38.4	0.066	0.044	0.020			
			32x0.6mm (64x0.6)	19.2	0.074	0.050	0.023			
			32x0.6mm	19.2	0.072	0.048	0.022			
			12x1.2mm	14.4	0.075	0.050	0.023			
			30x0.6mm (40x0.6)	12	0.080	0.054	0.024			
			1x10mm	10	0.059	0.039	0.018			
			8x0.6mm (16x0.6)	4.8	0.112	0.076	0.035			
			8x0.6mm (16x0.3)	4.8	0.112	0.076	0.035			
			10x0.6mm (20x0.6)	6	0.078	0.052	0.024			
			6x0.6mm	3.6	0.105	0.071	0.032			
			1x5mm	5	0.059	0.039	0.018			
			2x1mm	2	0.065	0.044	0.020			
			Standard	100	100kV-M-204	64x0.6mm (128x0.6)	38.4	0.123	0.086	0.042
						32x1.2mm	38.4	0.125	0.088	0.043
32x0.6mm (64x0.6)	19.2	0.141				0.099	0.048			
32x0.6mm	19.2	0.138				0.096	0.047			
12x1.2mm	14.4	0.143				0.100	0.049			
30x0.6mm (40x0.6)	12	0.152				0.107	0.052			
1x10mm	10	0.112				0.078	0.038			
8x0.6mm (16x0.6)	4.8	0.215				0.150	0.073			
8x0.6mm (16x0.3)	4.8	0.215				0.150	0.073			
10x0.6mm (20x0.6)	6	0.149				0.104	0.051			
6x0.6mm	3.6	0.201				0.141	0.068			
1x5mm	5	0.112				0.078	0.038			
2x1mm	2	0.124				0.087	0.042			
Standard	120	120kV-M-204				64x0.6mm (128x0.6)	38.4	0.192	0.139	0.067
						32x1.2mm	38.4	0.195	0.142	0.069
			32x0.6mm (64x0.6)	19.2	0.220	0.159	0.077			
			32x0.6mm	19.2	0.214	0.156	0.075			
			12x1.2mm	14.4	0.223	0.162	0.078			
			30x0.6mm (40x0.6)	12	0.237	0.172	0.083			
			1x10mm	10	0.174	0.127	0.061			
			8x0.6mm (16x0.6)	4.8	0.335	0.243	0.118			
			8x0.6mm (16x0.3)	4.8	0.335	0.243	0.118			
			10x0.6mm (20x0.6)	6	0.232	0.168	0.082			
			6x0.6mm	3.6	0.314	0.228	0.110			
			1x5mm	5	0.174	0.127	0.061			
			2x1mm	2	0.193	0.141	0.068			
			Standard	140	140kV-M-04	64x0.6mm (128x0.6)	38.4	0.271	0.202	0.099
						32x1.2mm	38.4	0.276	0.206	0.100
32x0.6mm (64x0.6)	19.2	0.310				0.231	0.113			
32x0.6mm	19.2	0.303				0.226	0.110			
12x1.2mm	14.4	0.315				0.235	0.115			
30x0.6mm (40x0.6)	12	0.335				0.250	0.122			
1x10mm	10	0.246				0.184	0.090			
8x0.6mm (16x0.6)	4.8	0.473				0.353	0.172			
8x0.6mm (16x0.3)	4.8	0.473				0.353	0.172			
10x0.6mm (20x0.6)	6	0.327				0.244	0.119			
6x0.6mm	3.6	0.443				0.331	0.161			
1x5mm	5	0.246				0.184	0.090			
2x1mm	2	0.273				0.204	0.100			
Wide	80	80kV-S-204				64x0.6mm (128x0.6)	38.4	0.071	0.050	0.026
						32x1.2mm	38.4	0.073	0.050	0.027
			32x0.6mm (64x0.6)	19.2	0.082	0.057	0.030			
			32x0.6mm	19.2	0.080	0.055	0.029			
			12x1.2mm	14.4	0.083	0.058	0.030			
			30x0.6mm (40x0.6)	12	0.088	0.061	0.032			
			1x10mm	10	0.065	0.045	0.024			
			8x0.6mm (16x0.6)	4.8	0.124	0.086	0.046			
			8x0.6mm (16x0.3)	4.8	0.124	0.086	0.046			
			10x0.6mm (20x0.6)	6	0.086	0.060	0.032			
			6x0.6mm	3.6	0.117	0.081	0.043			
			1x5mm	5	0.065	0.045	0.024			
			2x1mm	2	0.072	0.050	0.026			

Wide	100	100kV-S-204	64x0.6mm (128x0.6)	38.4	0.139	0.097	0.051
			32x1.2mm	38.4	0.142	0.099	0.052
			32x0.6mm (64x0.6)	19.2	0.160	0.111	0.058
			32x0.6mm	19.2	0.156	0.108	0.057
			12x1.2mm	14.4	0.162	0.113	0.059
			30x0.6mm (40x0.6)	12	0.172	0.120	0.063
			1x10mm	10	0.127	0.088	0.046
			8x0.6mm (16x0.6)	4.8	0.243	0.169	0.089
			8x0.6mm (16x0.3)	4.8	0.243	0.169	0.089
			10x0.6mm (20x0.6)	6	0.168	0.117	0.061
			6x0.6mm	3.6	0.228	0.158	0.083
			1x5mm	5	0.127	0.088	0.046
			2x1mm	2	0.141	0.098	0.051
Wide	120	120kV-S-204	64x0.6mm (128x0.6)	38.4	0.199	0.150	0.080
			32x1.2mm	38.4	0.203	0.152	0.082
			32x0.6mm (64x0.6)	19.2	0.228	0.171	0.092
			32x0.6mm	19.2	0.223	0.167	0.090
			12x1.2mm	14.4	0.232	0.174	0.093
			30x0.6mm (40x0.6)	12	0.246	0.185	0.099
			1x10mm	10	0.181	0.136	0.073
			8x0.6mm (16x0.6)	4.8	0.348	0.261	0.140
			8x0.6mm (16x0.3)	4.8	0.348	0.261	0.140
			10x0.6mm (20x0.6)	6	0.241	0.181	0.097
			6x0.6mm	3.6	0.326	0.245	0.131
			1x5mm	5	0.181	0.136	0.073
			2x1mm	2	0.201	0.151	0.081
Wide	140	140kV-S-204	64x0.6mm (128x0.6)	38.4	0.297	0.226	0.123
			32x1.2mm	38.4	0.302	0.230	0.125
			32x0.6mm (64x0.6)	19.2	0.340	0.259	0.140
			32x0.6mm	19.2	0.332	0.253	0.137
			12x1.2mm	14.4	0.346	0.263	0.143
			30x0.6mm (40x0.6)	12	0.367	0.280	0.152
			1x10mm	10	0.270	0.206	0.111
			8x0.6mm (16x0.6)	4.8	0.518	0.395	0.214
			8x0.6mm (16x0.3)	4.8	0.518	0.395	0.214
			10x0.6mm (20x0.6)	6	0.359	0.274	0.148
			6x0.6mm	3.6	0.486	0.370	0.201
			1x5mm	5	0.270	0.206	0.111
			2x1mm	2	0.300	0.228	0.124

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Definition Flash 線量および画質に関する報告書 (C2-030.660.05.03.22) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Standard

[Head]: Wide

Table38. Parameters related to dose index for Siemens SOMATOM Definition Edge

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Standard	70	70kV-M-204	64x0.6mm(128x0.6)	38.4	0.047	0.028	0.012			
			32x1.2mm	38.4	0.046	0.028	0.011			
			12x1.2mm	14.4	0.052	0.031	0.013			
			20x0.6mm(40x0.6)	12.0	0.057	0.034	0.014			
			1x10mm	10.0	0.041	0.025	0.010			
			6x1.2mm	7.2	0.059	0.035	0.015			
			10x0.6mm(20x0.6)	6.0	0.055	0.033	0.014			
			1x5mm	5.0	0.041	0.025	0.010			
			8x0.6mm(16x0.6)	4.8	0.080	0.048	0.020			
			8x0.6mm(16x0.3)	4.8	0.080	0.048	0.020			
			8x0.6mm	4.8	0.068	0.041	0.017			
			6x0.6mm	3.6	0.074	0.045	0.018			
			2x1mm	2.0	0.046	0.027	0.011			
			Standard	80	80kV-M-204	64x0.6mm(128x0.6)	38.4	0.045	0.019	0.070
						32x1.2mm	38.4	0.044	0.019	0.068
						12x1.2mm	14.4	0.050	0.021	0.078
20x0.6mm(40x0.6)	12.0	0.054				0.023	0.084			
1x10mm	10.0	0.039				0.017	0.061			
6x1.2mm	7.2	0.056				0.024	0.088			
10x0.6mm(20x0.6)	6.0	0.053				0.023	0.082			
1x5mm	5.0	0.039				0.017	0.061			
8x0.6mm(16x0.6)	4.8	0.076				0.033	0.119			
8x0.6mm(16x0.3)	4.8	0.076				0.033	0.119			
8x0.6mm	4.8	0.065				0.028	0.101			
6x0.6mm	3.6	0.071				0.030	0.110			
2x1mm	2.0	0.043				0.019	0.068			
Standard	100	100kV-M-204				64x0.6mm(128x0.6)	38.4	0.128	0.088	0.040
						32x1.2mm	38.4	0.126	0.087	0.039
						12x1.2mm	14.4	0.144	0.099	0.045
			20x0.6mm(40x0.6)	12.0	0.155	0.107	0.048			
			1x10mm	10.0	0.113	0.078	0.035			
			6x1.2mm	7.2	0.162	0.112	0.050			
			10x0.6mm(20x0.6)	6.0	0.152	0.105	0.047			
			1x5mm	5.0	0.113	0.078	0.035			
			8x0.6mm(16x0.6)	4.8	0.220	0.151	0.068			
			8x0.6mm(16x0.3)	4.8	0.220	0.151	0.068			
			8x0.6mm	4.8	0.187	0.129	0.058			
			6x0.6mm	3.6	0.204	0.140	0.063			
			2x1mm	2.0	0.125	0.086	0.039			
			Standard	120	120kV-M-204	64x0.6mm(128x0.6)	38.4	0.201	0.144	0.068
						32x1.2mm	38.4	0.198	0.142	0.066
						12x1.2mm	14.4	0.226	0.162	0.076
20x0.6mm(40x0.6)	12.0	0.244				0.175	0.082			
1x10mm	10.0	0.177				0.127	0.059			
6x1.2mm	7.2	0.254				0.182	0.085			
10x0.6mm(20x0.6)	6.0	0.239				0.171	0.080			
1x5mm	5.0	0.177				0.127	0.059			
8x0.6mm(16x0.6)	4.8	0.345				0.247	0.116			
8x0.6mm(16x0.3)	4.8	0.345				0.247	0.116			
8x0.6mm	4.8	0.293				0.210	0.098			
6x0.6mm	3.6	0.320				0.229	0.107			
2x1mm	2.0	0.196				0.141	0.066			
Standard	140	140kV-M-204				64x0.6mm(128x0.6)	38.4	0.289	0.211	0.102
						32x1.2mm	38.4	0.284	0.207	0.100
						12x1.2mm	14.4	0.325	0.237	0.114
			20x0.6mm(40x0.6)	12.0	0.350	0.255	0.123			
			1x10mm	10.0	0.254	0.185	0.089			
			6x1.2mm	7.2	0.365	0.266	0.128			
			10x0.6mm(20x0.6)	6.0	0.342	0.249	0.120			
			1x5mm	5.0	0.254	0.185	0.089			
			8x0.6mm(16x0.6)	4.8	0.495	0.360	0.174			
			8x0.6mm(16x0.3)	4.8	0.495	0.360	0.174			
			8x0.6mm	4.8	0.421	0.307	0.148			
			6x0.6mm	3.6	0.459	0.334	0.161			

		2x1mm	2.0	0.281	0.205	0.099
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- * $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Definition Edge 線量および画質に関する報告書 (C2-031-1.660.01.01.22) より算出
- * 共通プロトコル名対応フィルタ / Filter corresponding to common protocol
 [Body]: Standard
 [Head]: Standard

Table39. Parameters related to dose index for Siemens SOMATOM Definition AS

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Standard	70	70kV-M-204	64x0.6mm(128x0.6)	38.4	0.047	0.028	0.012			
			32x1.2mm	38.4	0.046	0.028	0.011			
			16x1.2mm	19.2	0.050	0.030	0.013			
			32x0.6mm(64x0.6)	19.2	0.053	0.032	0.013			
			12x1.2mm	14.4	0.052	0.031	0.013			
			20x0.6mm(40x0.6)	12.0	0.057	0.034	0.014			
			1x10mm	10.0	0.041	0.025	0.010			
			6x1.2mm	7.2	0.059	0.035	0.015			
			10x0.6mm(20x0.6)	6.0	0.055	0.033	0.014			
			1x5mm	5.0	0.041	0.025	0.010			
			8x0.6mm(16x0.6)	4.8	0.080	0.048	0.020			
			8x0.6mm	4.8	0.068	0.041	0.017			
			6x0.6mm	3.6	0.074	0.045	0.018			
			2x1mm	2.0	0.046	0.027	0.011			
			Standard	80	80kV-M-204	64x0.6mm(128x0.6)	38.4	0.070	0.045	0.019
						32x1.2mm	38.4	0.068	0.044	0.019
						16x1.2mm	19.2	0.075	0.048	0.021
32x0.6mm(64x0.6)	19.2	0.079				0.050	0.022			
12x1.2mm	14.4	0.078				0.050	0.021			
20x0.6mm(40x0.6)	12.0	0.084				0.054	0.023			
1x10mm	10.0	0.061				0.039	0.017			
6x1.2mm	7.2	0.088				0.056	0.024			
10x0.6mm(20x0.6)	6.0	0.082				0.053	0.023			
1x5mm	5.0	0.061				0.039	0.017			
8x0.6mm(16x0.6)	4.8	0.119				0.076	0.033			
8x0.6mm	4.8	0.101				0.065	0.028			
6x0.6mm	3.6	0.110				0.071	0.030			
2x1mm	2.0	0.068				0.043	0.019			
Standard	100	100kV-M-204				64x0.6mm(128x0.6)	38.4	0.128	0.088	0.040
						32x1.2mm	38.4	0.126	0.087	0.039
						16x1.2mm	19.2	0.138	0.095	0.043
			32x0.6mm(64x0.6)	19.2	0.145	0.100	0.045			
			12x1.2mm	14.4	0.144	0.099	0.045			
			20x0.6mm(40x0.6)	12.0	0.155	0.107	0.048			
			1x10mm	10.0	0.113	0.078	0.035			
			6x1.2mm	7.2	0.162	0.112	0.050			
			10x0.6mm(20x0.6)	6.0	0.152	0.105	0.047			
			1x5mm	5.0	0.113	0.078	0.035			
			8x0.6mm(16x0.6)	4.8	0.220	0.151	0.068			
			8x0.6mm	4.8	0.187	0.129	0.058			
			6x0.6mm	3.6	0.204	0.140	0.063			
			2x1mm	2.0	0.125	0.086	0.039			
			Standard	120	120kV-M-204	64x0.6mm(128x0.6)	38.4	0.201	0.144	0.068
						32x1.2mm	38.4	0.198	0.142	0.066
						16x1.2mm	19.2	0.217	0.156	0.073
32x0.6mm(64x0.6)	19.2	0.228				0.163	0.076			
12x1.2mm	14.4	0.226				0.162	0.076			
20x0.6mm(40x0.6)	12.0	0.244				0.175	0.082			
1x10mm	10.0	0.177				0.127	0.059			
6x1.2mm	7.2	0.254				0.182	0.085			
10x0.6mm(20x0.6)	6.0	0.239				0.171	0.080			
1x5mm	5.0	0.177				0.127	0.059			
8x0.6mm(16x0.6)	4.8	0.345				0.247	0.116			
8x0.6mm	4.8	0.293				0.210	0.098			
6x0.6mm	3.6	0.320				0.229	0.107			
2x1mm	2.0	0.196				0.141	0.066			
Standard	140	140kV-M-204				64x0.6mm(128x0.6)	38.4	0.289	0.211	0.102
						32x1.2mm	38.4	0.284	0.207	0.100
						16x1.2mm	19.2	0.312	0.227	0.110
			32x0.6mm(64x0.6)	19.2	0.327	0.238	0.115			
			12x1.2mm	14.4	0.325	0.237	0.114			
			20x0.6mm(40x0.6)	12.0	0.350	0.255	0.123			
			1x10mm	10.0	0.254	0.185	0.089			
			6x1.2mm	7.2	0.365	0.266	0.128			
			10x0.6mm(20x0.6)	6.0	0.342	0.249	0.120			

			1x5mm	5.0	0.254	0.185	0.089
			8x0.6mm(16x0.6)	4.8	0.495	0.360	0.174
			8x0.6mm	4.8	0.421	0.307	0.148
			6x0.6mm	3.6	0.459	0.334	0.161
			2x1mm	2.0	0.281	0.205	0.099

- * $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Definition AS 線量および画質に関する報告書より算出
- * 共通プロトコル名対応フィルタ / Filter corresponding to common protocol
 [Body]: Standard
 [Head]: Standard

Table40. Parameters related to dose index for Siemens SOMATOM Definition AS+

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Standard	70	70kV-M-204	32x1.2mm	38.4	0.046	0.028	0.011			
			64x0.6mm(128x0.6mm)	38.4	0.047	0.028	0.012			
			12x1.2mm	14.4	0.053	0.032	0.013			
			20x0.6mm(40x0.6)	12.0	0.057	0.034	0.014			
			1x10mm	10.0	0.041	0.025	0.010			
			6x1.2mm	7.2	0.059	0.035	0.015			
			10x0.6mm(20x0.6)	6.0	0.056	0.033	0.014			
			1x5mm	5.0	0.041	0.025	0.010			
			8x0.6mm	4.8	0.068	0.041	0.017			
			8x0.6mm(16x0.6)	4.8	0.080	0.048	0.020			
			6x0.6mm	3.6	0.074	0.044	0.018			
			2x1mm	2.0	0.046	0.027	0.011			
			Standard	80	80kV-M-204	32x1.2mm	38.4	0.068	0.044	0.019
						64x0.6mm(128x0.6mm)	38.4	0.069	0.045	0.019
						12x1.2mm	14.4	0.078	0.050	0.021
20x0.6mm(40x0.6)	12.0	0.084				0.054	0.023			
1x10mm	10.0	0.061				0.039	0.017			
6x1.2mm	7.2	0.088				0.056	0.024			
10x0.6mm(20x0.6)	6.0	0.083				0.053	0.023			
1x5mm	5.0	0.061				0.039	0.017			
8x0.6mm	4.8	0.101				0.065	0.028			
8x0.6mm(16x0.6)	4.8	0.119				0.076	0.033			
6x0.6mm	3.6	0.110				0.071	0.030			
2x1mm	2.0	0.068				0.044	0.019			
Standard	100	100kV-M-204				32x1.2mm	38.4	0.126	0.087	0.039
						64x0.6mm(128x0.6mm)	38.4	0.128	0.088	0.040
						12x1.2mm	14.4	0.144	0.100	0.045
			20x0.6mm(40x0.6)	12.0	0.155	0.107	0.048			
			1x10mm	10.0	0.113	0.078	0.035			
			6x1.2mm	7.2	0.162	0.112	0.050			
			10x0.6mm(20x0.6)	6.0	0.152	0.105	0.047			
			1x5mm	5.0	0.113	0.078	0.035			
			8x0.6mm	4.8	0.187	0.129	0.058			
			8x0.6mm(16x0.6)	4.8	0.220	0.152	0.068			
			6x0.6mm	3.6	0.203	0.140	0.063			
			2x1mm	2.0	0.126	0.087	0.039			
			Standard	120	120kV-M-204	32x1.2mm	38.4	0.198	0.142	0.066
						64x0.6mm(128x0.6mm)	38.4	0.201	0.144	0.068
						12x1.2mm	14.4	0.227	0.162	0.076
20x0.6mm(40x0.6)	12.0	0.244				0.175	0.082			
1x10mm	10.0	0.177				0.127	0.059			
6x1.2mm	7.2	0.254				0.182	0.085			
10x0.6mm(20x0.6)	6.0	0.239				0.171	0.080			
1x5mm	5.0	0.177				0.127	0.059			
8x0.6mm	4.8	0.293				0.210	0.098			
8x0.6mm(16x0.6)	4.8	0.345				0.247	0.116			
6x0.6mm	3.6	0.319				0.229	0.107			
2x1mm	2.0	0.197				0.141	0.066			
Standard	140	140kV-M-204				32x1.2mm	38.4	0.284	0.207	0.100
						64x0.6mm(128x0.6mm)	38.4	0.289	0.211	0.102
						12x1.2mm	14.4	0.325	0.237	0.114
			20x0.6mm(40x0.6)	12.0	0.350	0.255	0.123			
			1x10mm	10.0	0.254	0.185	0.089			
			6x1.2mm	7.2	0.365	0.266	0.128			
			10x0.6mm(20x0.6)	6.0	0.343	0.250	0.121			
			1x5mm	5.0	0.254	0.185	0.089			
			8x0.6mm	4.8	0.421	0.307	0.148			
			8x0.6mm(16x0.6)	4.8	0.495	0.361	0.174			
			6x0.6mm	3.6	0.458	0.334	0.161			
			2x1mm	2.0	0.283	0.206	0.099			

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Definition AS 線量および画質に関する報告書より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

Table41. Parameters related to dose index for Siemens SOMATOM Force

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	70	70kV-M-204	2x1mm(2x1mm)	2.0	0.043	0.026	0.011
			6x0.6mm(6x0.6mm)	3.6	0.073	0.043	0.018
			1x5mm(1x5mm)	5.0	0.043	0.026	0.011
			1x10mm(1x10mm)	10.0	0.043	0.025	0.010
			12x1.2mm(12x1.2mm)	14.4	0.062	0.037	0.015
			32x0.6mm(32x0.6mm)UHR	19.2	0.050	0.029	0.012
			32x0.6mm(64x0.6mm)sUHR	19.2	0.052	0.031	0.013
			32x0.6mm(64x0.6mm)	19.2	0.059	0.035	0.014
			48x0.6mm(96x0.6mm)	28.8	0.054	0.032	0.013
			64x0.6mm(128x0.6mm)	38.4	0.051	0.030	0.012
			96x0.6mm(192x0.6mm)	57.6	0.048	0.029	0.012
			24x1.2mm(24x1.2mm)	28.8	0.054	0.032	0.013
			48x1.2mm(48x1.2mm)	57.6	0.048	0.029	0.012
			Standard	80	80kV-M-204	2x1mm(2x1mm)	2.0
6x0.6mm(6x0.6mm)	3.6	0.107				0.068	0.029
1x5mm(1x5mm)	5.0	0.064				0.041	0.017
1x10mm(1x10mm)	10.0	0.063				0.040	0.017
12x1.2mm(12x1.2mm)	14.4	0.091				0.058	0.025
32x0.6mm(32x0.6mm)UHR	19.2	0.073				0.046	0.020
32x0.6mm(64x0.6mm)sUHR	19.2	0.076				0.049	0.021
32x0.6mm(64x0.6mm)	19.2	0.087				0.055	0.024
48x0.6mm(96x0.6mm)	28.8	0.079				0.050	0.022
64x0.6mm(128x0.6mm)	38.4	0.075				0.048	0.020
96x0.6mm(192x0.6mm)	57.6	0.071				0.045	0.019
24x1.2mm(24x1.2mm)	28.8	0.079				0.050	0.022
48x1.2mm(48x1.2mm)	57.6	0.071				0.045	0.019
Standard	90	90kV-M-204				2x1mm(2x1mm)	2.0
			6x0.6mm(6x0.6mm)	3.6	0.149	0.100	0.044
			1x5mm(1x5mm)	5.0	0.088	0.059	0.026
			1x10mm(1x10mm)	10.0	0.087	0.058	0.026
			12x1.2mm(12x1.2mm)	14.4	0.126	0.084	0.037
			32x0.6mm(32x0.6mm)UHR	19.2	0.101	0.067	0.030
			32x0.6mm(64x0.6mm)sUHR	19.2	0.106	0.071	0.031
			32x0.6mm(64x0.6mm)	19.2	0.120	0.081	0.036
			48x0.6mm(96x0.6mm)	28.8	0.110	0.073	0.032
			64x0.6mm(128x0.6mm)	38.4	0.104	0.069	0.031
			96x0.6mm(192x0.6mm)	57.6	0.098	0.066	0.029
			24x1.2mm(24x1.2mm)	28.8	0.110	0.073	0.032
			48x1.2mm(48x1.2mm)	57.6	0.098	0.066	0.029
			Standard	100	100kV-M-204	2x1mm(2x1mm)	2.0
6x0.6mm(6x0.6mm)	3.6	0.195				0.135	0.061
1x5mm(1x5mm)	5.0	0.115				0.080	0.036
1x10mm(1x10mm)	10.0	0.114				0.079	0.036
12x1.2mm(12x1.2mm)	14.4	0.165				0.114	0.052
32x0.6mm(32x0.6mm)UHR	19.2	0.132				0.091	0.041
32x0.6mm(64x0.6mm)sUHR	19.2	0.138				0.096	0.043
32x0.6mm(64x0.6mm)	19.2	0.157				0.109	0.049
48x0.6mm(96x0.6mm)	28.8	0.143				0.099	0.045
64x0.6mm(128x0.6mm)	38.4	0.136				0.094	0.043
96x0.6mm(192x0.6mm)	57.6	0.128				0.089	0.040
24x1.2mm(24x1.2mm)	28.8	0.143				0.099	0.045
48x1.2mm(48x1.2mm)	57.6	0.128				0.089	0.040
Standard	110	110kV-M-204				2x1mm(2x1mm)	2.0
			6x0.6mm(6x0.6mm)	3.6	0.245	0.174	0.079
			1x5mm(1x5mm)	5.0	0.145	0.103	0.047
			1x10mm(1x10mm)	10.0	0.143	0.102	0.046
			12x1.2mm(12x1.2mm)	14.4	0.208	0.148	0.067
			32x0.6mm(32x0.6mm)UHR	19.2	0.166	0.118	0.054
			32x0.6mm(64x0.6mm)sUHR	19.2	0.174	0.124	0.056
			32x0.6mm(64x0.6mm)	19.2	0.198	0.141	0.064
			48x0.6mm(96x0.6mm)	28.8	0.180	0.128	0.058
			64x0.6mm(128x0.6mm)	38.4	0.171	0.121	0.055
			96x0.6mm(192x0.6mm)	57.6	0.161	0.114	0.052
			24x1.2mm(24x1.2mm)	28.8	0.180	0.128	0.058
			48x1.2mm(48x1.2mm)	57.6	0.161	0.114	0.052

Standard	120	120kV-M-204	2x1mm(2x1mm)	2.0	0.178	0.128	0.060
			6x0.6mm(6x0.6mm)	3.6	0.301	0.217	0.102
			1x5mm(1x5mm)	5.0	0.178	0.128	0.060
			1x10mm(1x10mm)	10.0	0.176	0.127	0.059
			12x1.2mm(12x1.2mm)	14.4	0.255	0.184	0.086
			32x0.6mm(32x0.6mm)UHR	19.2	0.204	0.147	0.069
			32x0.6mm(64x0.6mm)sUHR	19.2	0.214	0.154	0.072
			32x0.6mm(64x0.6mm)	19.2	0.243	0.175	0.082
			48x0.6mm(96x0.6mm)	28.8	0.222	0.160	0.075
			64x0.6mm(128x0.6mm)	38.4	0.210	0.151	0.071
			96x0.6mm(192x0.6mm)	57.6	0.198	0.143	0.067
			24x1.2mm(24x1.2mm)	28.8	0.222	0.160	0.075
			48x1.2mm(48x1.2mm)	57.6	0.198	0.143	0.067
Standard	130	130kV-M-204	2x1mm(2x1mm)	2.0	0.211	0.154	0.073
			6x0.6mm(6x0.6mm)	3.6	0.357	0.261	0.124
			1x5mm(1x5mm)	5.0	0.211	0.154	0.073
			1x10mm(1x10mm)	10.0	0.209	0.153	0.073
			12x1.2mm(12x1.2mm)	14.4	0.303	0.221	0.105
			32x0.6mm(32x0.6mm)UHR	19.2	0.242	0.177	0.084
			32x0.6mm(64x0.6mm)sUHR	19.2	0.254	0.185	0.088
			32x0.6mm(64x0.6mm)	19.2	0.289	0.211	0.100
			48x0.6mm(96x0.6mm)	28.8	0.263	0.192	0.091
			64x0.6mm(128x0.6mm)	38.4	0.249	0.182	0.087
			96x0.6mm(192x0.6mm)	57.6	0.235	0.172	0.082
			24x1.2mm(24x1.2mm)	28.8	0.263	0.192	0.091
			48x1.2mm(48x1.2mm)	57.6	0.235	0.172	0.082
Standard	140	140kV-M-204	2x1mm(2x1mm)	2.0	0.247	0.182	0.088
			6x0.6mm(6x0.6mm)	3.6	0.417	0.307	0.148
			1x5mm(1x5mm)	5.0	0.247	0.182	0.088
			1x10mm(1x10mm)	10.0	0.244	0.180	0.087
			12x1.2mm(12x1.2mm)	14.4	0.354	0.261	0.126
			32x0.6mm(32x0.6mm)UHR	19.2	0.283	0.208	0.100
			32x0.6mm(64x0.6mm)sUHR	19.2	0.296	0.218	0.105
			32x0.6mm(64x0.6mm)	19.2	0.337	0.249	0.120
			48x0.6mm(96x0.6mm)	28.8	0.307	0.226	0.109
			64x0.6mm(128x0.6mm)	38.4	0.291	0.214	0.103
			96x0.6mm(192x0.6mm)	57.6	0.274	0.202	0.098
			24x1.2mm(24x1.2mm)	28.8	0.307	0.226	0.109
			48x1.2mm(48x1.2mm)	57.6	0.274	0.202	0.098
Standard	150	150kV-M-204	2x1mm(2x1mm)	2.0	0.284	0.211	0.103
			6x0.6mm(6x0.6mm)	3.6	0.479	0.356	0.174
			1x5mm(1x5mm)	5.0	0.284	0.211	0.103
			1x10mm(1x10mm)	10.0	0.281	0.208	0.102
			12x1.2mm(12x1.2mm)	14.4	0.407	0.302	0.147
			32x0.6mm(32x0.6mm)UHR	19.2	0.325	0.241	0.118
			32x0.6mm(64x0.6mm)sUHR	19.2	0.341	0.253	0.123
			32x0.6mm(64x0.6mm)	19.2	0.388	0.288	0.141
			48x0.6mm(96x0.6mm)	28.8	0.353	0.262	0.128
			64x0.6mm(128x0.6mm)	38.4	0.334	0.248	0.121
			96x0.6mm(192x0.6mm)	57.6	0.315	0.234	0.114
			24x1.2mm(24x1.2mm)	28.8	0.353	0.262	0.128
			48x1.2mm(48x1.2mm)	57.6	0.315	0.234	0.114
Standard	100Sn	100kV-M-204Sn	2x1mm(2x1mm)	2.0	0.009	0.007	0.004
			6x0.6mm(6x0.6mm)	3.6	0.016	0.013	0.006
			1x5mm(1x5mm)	5.0	0.009	0.007	0.004
			1x10mm(1x10mm)	10.0	0.009	0.007	0.004
			12x1.2mm(12x1.2mm)	14.4	0.013	0.011	0.005
			32x0.6mm(32x0.6mm)UHR	19.2	0.011	0.009	0.004
			32x0.6mm(64x0.6mm)sUHR	19.2	0.011	0.009	0.005
			32x0.6mm(64x0.6mm)	19.2	0.013	0.010	0.005
			48x0.6mm(96x0.6mm)	28.8	0.011	0.009	0.005
			64x0.6mm(128x0.6mm)	38.4	0.011	0.009	0.004
			96x0.6mm(192x0.6mm)	57.6	0.010	0.008	0.004
			24x1.2mm(24x1.2mm)	28.8	0.011	0.009	0.005
			48x1.2mm(48x1.2mm)	57.6	0.010	0.008	0.004
Standard	150Sn	150kV-M-204Sn	2x1mm(2x1mm)	2.0	0.069	0.049	0.026
			6x0.6mm(6x0.6mm)	3.6	0.116	0.082	0.044
			1x5mm(1x5mm)	5.0	0.069	0.049	0.026
			1x10mm(1x10mm)	10.0	0.068	0.048	0.026
			12x1.2mm(12x1.2mm)	14.4	0.098	0.070	0.038
			32x0.6mm(32x0.6mm)UHR	19.2	0.079	0.056	0.030

			32x0.6mm(64x0.6mm)sUHR	19.2	0.082	0.058	0.032
			32x0.6mm(64x0.6mm)	19.2	0.094	0.066	0.036
			48x0.6mm(96x0.6mm)	28.8	0.085	0.060	0.033
			64x0.6mm(128x0.6mm)	38.4	0.081	0.057	0.031
			96x0.6mm(192x0.6mm)	57.6	0.076	0.054	0.029
			24x1.2mm(24x1.2mm)	28.8	0.085	0.060	0.033
			48x1.2mm(48x1.2mm)	57.6	0.076	0.054	0.029

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Force 線量および画質に関する報告書より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

* 150Sn フィルタは未実装

Table42. Parameters related to dose index for Siemens SOMATOM Confidence

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	70	70kV-M-204	2x1mm(2x1mm)	2.0	0.050	0.032	0.014
			6x0.6mm(6x0.6mm)	3.6	0.076	0.048	0.022
			1x5mm(1x5mm)	5.0	0.045	0.028	0.013
			10x0.6mm(20x0.6mm)	6.0	0.058	0.037	0.016
			6x1.2mm(6x1.2mm)	7.2	0.061	0.039	0.017
			1x10mm(1x10mm)	10.0	0.043	0.027	0.012
			20x0.6mm(40x0.6mm)	12.0	0.059	0.038	0.017
			12x1.2mm(12x1.2mm)	14.4	0.056	0.036	0.016
			32x0.6mm(64x0.6mm)	19.2	0.055	0.035	0.016
			16x1.2mm(1.6x1.2mm)	19.2	0.053	0.034	0.015
Standard	80	80kV-M-204	2x1mm(2x1mm)	2.0	0.074	0.046	0.019
			6x0.6mm(6x0.6mm)	3.6	0.112	0.069	0.029
			1x5mm(1x5mm)	5.0	0.066	0.040	0.017
			10x0.6mm(20x0.6mm)	6.0	0.085	0.052	0.022
			6x1.2mm(6x1.2mm)	7.2	0.090	0.055	0.024
			1x10mm(1x10mm)	10.0	0.064	0.039	0.017
			20x0.6mm(40x0.6mm)	12.0	0.087	0.053	0.023
			12x1.2mm(12x1.2mm)	14.4	0.083	0.051	0.022
			32x0.6mm(64x0.6mm)	19.2	0.081	0.050	0.021
			16x1.2mm(1.6x1.2mm)	19.2	0.078	0.048	0.020
Standard	100	100kV-M-204	2x1mm(2x1mm)	2.0	0.132	0.091	0.041
			6x0.6mm(6x0.6mm)	3.6	0.200	0.137	0.062
			1x5mm(1x5mm)	5.0	0.117	0.080	0.036
			10x0.6mm(20x0.6mm)	6.0	0.152	0.104	0.047
			6x1.2mm(6x1.2mm)	7.2	0.160	0.110	0.049
			1x10mm(1x10mm)	10.0	0.113	0.078	0.035
			20x0.6mm(40x0.6mm)	12.0	0.155	0.106	0.048
			12x1.2mm(12x1.2mm)	14.4	0.147	0.101	0.045
			32x0.6mm(64x0.6mm)	19.2	0.145	0.099	0.045
			16x1.2mm(1.6x1.2mm)	19.2	0.139	0.095	0.043
Standard	120	120kV-M-204	2x1mm(2x1mm)	2.0	0.215	0.148	0.069
			6x0.6mm(6x0.6mm)	3.6	0.324	0.223	0.104
			1x5mm(1x5mm)	5.0	0.190	0.131	0.061
			10x0.6mm(20x0.6mm)	6.0	0.247	0.170	0.080
			6x1.2mm(6x1.2mm)	7.2	0.260	0.179	0.084
			1x10mm(1x10mm)	10.0	0.184	0.127	0.059
			20x0.6mm(40x0.6mm)	12.0	0.252	0.173	0.081
			12x1.2mm(12x1.2mm)	14.4	0.239	0.164	0.077
			32x0.6mm(64x0.6mm)	19.2	0.235	0.161	0.076
			16x1.2mm(1.6x1.2mm)	19.2	0.225	0.155	0.073
Standard	140	140kV-M-204	2x1mm(2x1mm)	2.0	0.302	0.224	0.111
			6x0.6mm(6x0.6mm)	3.6	0.456	0.337	0.167
			1x5mm(1x5mm)	5.0	0.268	0.198	0.098
			10x0.6mm(20x0.6mm)	6.0	0.348	0.257	0.128
			6x1.2mm(6x1.2mm)	7.2	0.366	0.271	0.134
			1x10mm(1x10mm)	10.0	0.259	0.192	0.095
			20x0.6mm(40x0.6mm)	12.0	0.355	0.262	0.130
			12x1.2mm(12x1.2mm)	14.4	0.336	0.249	0.123
			32x0.6mm(64x0.6mm)	19.2	0.330	0.244	0.121
			16x1.2mm(1.6x1.2mm)	19.2	0.317	0.235	0.116

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Confidence 線量および画質に関する報告書 (C2-032.623.16.02.22) より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

Table43. Parameters related to dose index for Siemens SOMATOM Drive

Bow-tie Filter Name or Size	Potential [kV]	Source Data Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	70	70kV-M-204	2x1 mm	2.0	0.045	0.027	0.010
			6x0.6	3.6	0.072	0.043	0.017
			8x0.6mm(16x0.6mm)	4.8	0.077	0.046	0.018
			1x5mm	5.0	0.040	0.024	0.009
			10x0.6mm(20x0.6mm)	6.0	0.053	0.032	0.012
			1x10 mm	10.0	0.040	0.024	0.009
			12x1.2mm	14.4	0.051	0.031	0.012
			20x0.6mm(40x0.6mm)	12.0	0.054	0.032	0.013
			32x0.6mm(32x0.6mm)	19.2	0.050	0.030	0.012
			32x0.6mm(64x0.6mm)	19.2	0.050	0.030	0.012
			32x1.2mm	38.4	0.045	0.027	0.011
			64x0.6mm(128x0.6mm)	38.4	0.044	0.026	0.010
			Standard	80	80kV-M-204	2x1 mm	2.0
6x0.6	3.6	0.110				0.068	0.029
8x0.6mm(16x0.6mm)	4.8	0.116				0.072	0.030
1x5mm	5.0	0.061				0.038	0.016
10x0.6mm(20x0.6mm)	6.0	0.081				0.050	0.021
1x10 mm	10.0	0.061				0.038	0.016
12x1.2mm	14.4	0.078				0.048	0.020
20x0.6mm(40x0.6mm)	12.0	0.082				0.051	0.022
32x0.6mm(32x0.6mm)	19.2	0.076				0.047	0.020
32x0.6mm(64x0.6mm)	19.2	0.076				0.047	0.020
32x1.2mm	38.4	0.068				0.042	0.018
64x0.6mm(128x0.6mm)	38.4	0.067				0.041	0.018
Standard	90	90kV-M-204				2x1 mm	2.0
			6x0.6	3.6	0.154	0.100	0.044
			8x0.6mm(16x0.6mm)	4.8	0.163	0.106	0.046
			1x5mm	5.0	0.086	0.055	0.024
			10x0.6mm(20x0.6mm)	6.0	0.113	0.073	0.032
			1x10 mm	10.0	0.086	0.055	0.024
			12x1.2mm	14.4	0.109	0.071	0.031
			20x0.6mm(40x0.6mm)	12.0	0.115	0.075	0.033
			32x0.6mm(32x0.6mm)	19.2	0.106	0.069	0.030
			32x0.6mm(64x0.6mm)	19.2	0.106	0.069	0.030
			32x1.2mm	38.4	0.096	0.062	0.027
			64x0.6mm(128x0.6mm)	38.4	0.094	0.061	0.027
			Standard	100	100kV-M-204	2x1 mm	2.0
6x0.6	3.6	0.204				0.137	0.061
8x0.6mm(16x0.6mm)	4.8	0.216				0.145	0.065
1x5mm	5.0	0.113				0.076	0.034
10x0.6mm(20x0.6mm)	6.0	0.150				0.101	0.045
1x10 mm	10.0	0.113				0.076	0.034
12x1.2mm	14.4	0.145				0.097	0.044
20x0.6mm(40x0.6mm)	12.0	0.153				0.103	0.046
32x0.6mm(32x0.6mm)	19.2	0.140				0.094	0.042
32x0.6mm(64x0.6mm)	19.2	0.140				0.094	0.042
32x1.2mm	38.4	0.127				0.085	0.038
64x0.6mm(128x0.6mm)	38.4	0.124				0.083	0.037
Standard	110	110kV-M-204				2x1 mm	2.0
			6x0.6	3.6	0.263	0.183	0.083
			8x0.6mm(16x0.6mm)	4.8	0.279	0.194	0.088
			1x5mm	5.0	0.146	0.102	0.046
			10x0.6mm(20x0.6mm)	6.0	0.193	0.135	0.061
			1x10 mm	10.0	0.146	0.102	0.046
			12x1.2mm	14.4	0.187	0.130	0.059
			20x0.6mm(40x0.6mm)	12.0	0.197	0.137	0.062
			32x0.6mm(32x0.6mm)	19.2	0.181	0.126	0.057
			32x0.6mm(64x0.6mm)	19.2	0.181	0.126	0.057
			32x1.2mm	38.4	0.163	0.114	0.051
			64x0.6mm(128x0.6mm)	38.4	0.160	0.111	0.050
			Standard	120	120kV-M-204	2x1 mm	2.0
6x0.6	3.6	0.324				0.228	0.105
8x0.6mm(16x0.6mm)	4.8	0.343				0.241	0.111
1x5mm	5.0	0.180				0.127	0.058
10x0.6mm(20x0.6mm)	6.0	0.238				0.168	0.077

			1x10 mm	10.0	0.180	0.127	0.058
			12x1.2mm	14.4	0.230	0.162	0.075
			20x0.6mm(40x0.6mm)	12.0	0.243	0.171	0.079
			32x0.6mm(32x0.6mm)	19.2	0.223	0.157	0.072
			32x0.6mm(64x0.6mm)	19.2	0.223	0.157	0.072
			32x1.2mm	38.4	0.201	0.141	0.065
			64x0.6mm(128x0.6mm)	38.4	0.197	0.139	0.064
Standard	130	130kV-M-204	2x1 mm	2.0	0.243	0.171	0.080
			6x0.6	3.6	0.393	0.277	0.130
			8x0.6mm(16x0.6mm)	4.8	0.416	0.293	0.138
			1x5mm	5.0	0.218	0.154	0.072
			10x0.6mm(20x0.6mm)	6.0	0.289	0.203	0.096
			1x10 mm	10.0	0.218	0.154	0.072
			12x1.2mm	14.4	0.279	0.197	0.093
			20x0.6mm(40x0.6mm)	12.0	0.295	0.208	0.098
			32x0.6mm(32x0.6mm)	19.2	0.271	0.191	0.090
			32x0.6mm(64x0.6mm)	19.2	0.271	0.191	0.090
			32x1.2mm	38.4	0.244	0.172	0.081
			64x0.6mm(128x0.6mm)	38.4	0.239	0.168	0.079
Standard	140	140kV-M-204	2x1 mm	2.0	0.289	0.205	0.097
			6x0.6	3.6	0.469	0.332	0.158
			8x0.6mm(16x0.6mm)	4.8	0.496	0.352	0.167
			1x5mm	5.0	0.260	0.185	0.088
			10x0.6mm(20x0.6mm)	6.0	0.344	0.244	0.116
			1x10 mm	10.0	0.260	0.185	0.088
			12x1.2mm	14.4	0.333	0.236	0.112
			20x0.6mm(40x0.6mm)	12.0	0.352	0.249	0.118
			32x0.6mm(32x0.6mm)	19.2	0.323	0.229	0.109
			32x0.6mm(64x0.6mm)	19.2	0.323	0.229	0.109
			32x1.2mm	38.4	0.291	0.206	0.098
			64x0.6mm(128x0.6mm)	38.4	0.285	0.202	0.096
Standard	100Sn	100kV-M-204Sn	2x1 mm	2.0	0.020	0.015	0.008
			6x0.6	3.6	0.033	0.025	0.012
			8x0.6mm(16x0.6mm)	4.8	0.034	0.026	0.013
			1x5mm	5.0	0.018	0.014	0.007
			10x0.6mm(20x0.6mm)	6.0	0.024	0.018	0.009
			1x10 mm	10.0	0.018	0.014	0.007
			12x1.2mm	14.4	0.023	0.018	0.009
			20x0.6mm(40x0.6mm)	12.0	0.024	0.019	0.009
			32x0.6mm(32x0.6mm)	19.2	0.022	0.017	0.009
			32x0.6mm(64x0.6mm)	19.2	0.022	0.017	0.009
			32x1.2mm	38.4	0.020	0.015	0.008
			64x0.6mm(128x0.6mm)	38.4	0.020	0.015	0.008
Standard	140Sn	140kV-M-204Sn	2x1 mm	2.0	0.087	0.066	0.035
			6x0.6	3.6	0.140	0.106	0.056
			8x0.6mm(16x0.6mm)	4.8	0.149	0.112	0.059
			1x5mm	5.0	0.078	0.059	0.031
			10x0.6mm(20x0.6mm)	6.0	0.103	0.078	0.041
			1x10 mm	10.0	0.078	0.059	0.031
			12x1.2mm	14.4	0.100	0.075	0.040
			20x0.6mm(40x0.6mm)	12.0	0.105	0.080	0.042
			32x0.6mm(32x0.6mm)	19.2	0.097	0.073	0.039
			32x0.6mm(64x0.6mm)	19.2	0.097	0.073	0.039
			32x1.2mm	38.4	0.087	0.066	0.035
			64x0.6mm(128x0.6mm)	38.4	0.085	0.065	0.034

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens SOMATOM Drive 線量および画質に関する報告書より算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

* 110Sn,140Sn フィルタは未実装

Table44. Parameters related to dose index for NAEOTOM Alpha

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Standard	90	90kV-M-205	1x5mm	5.0	0.120	0.074	0.033
			36x0.2mm	7.2	0.101	0.062	0.027
			3x3mm	9.0	0.153	0.094	0.041
			3x5mm	15.0	0.145	0.089	0.039
			48x0.4mm	19.2	0.153	0.094	0.042
			96x0.2mm	19.2	0.136	0.084	0.037
			120x0.2mm	24.0	0.133	0.082	0.036
			72x0.4mm	28.8	0.147	0.090	0.040
			96x0.4mm	38.4	0.139	0.085	0.038
			144x0.4mm	57.6	0.131	0.081	0.036
Standard	120	120kV-M-205	1x5mm	5.0	0.229	0.154	0.072
			36x0.2mm	7.2	0.192	0.130	0.061
			3x3mm	9.0	0.291	0.197	0.092
			3x5mm	15.0	0.277	0.187	0.087
			48x0.4mm	19.2	0.292	0.197	0.092
			96x0.2mm	19.2	0.260	0.175	0.082
			120x0.2mm	24.0	0.254	0.171	0.080
			72x0.4mm	28.8	0.280	0.189	0.088
			96x0.4mm	38.4	0.265	0.179	0.084
			144x0.4mm	57.6	0.250	0.169	0.079
Standard	140	140kV-M-205	1x5mm	5.0	0.313	0.218	0.105
			36x0.2mm	7.2	0.263	0.183	0.088
			3x3mm	9.0	0.399	0.278	0.133
			3x5mm	15.0	0.379	0.264	0.127
			48x0.4mm	19.2	0.400	0.279	0.134
			96x0.2mm	19.2	0.356	0.248	0.119
			120x0.2mm	24.0	0.348	0.242	0.116
			72x0.4mm	28.8	0.384	0.267	0.128
			96x0.4mm	38.4	0.363	0.253	0.121
			144x0.4mm	57.6	0.343	0.239	0.114

* $nCTDI_{free\ air}$, $nCTDI_w$ は Siemens NAEOTOM Alpha 線量および画質に関する報告書より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Standard

[Head]: Standard

Table45. Parameters related to dose index for Philips Brilliance 64

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]			
Large	80	80kV-L-501	12x0.625mm	7.5	0.074	0.052	0.025			
			12x1.25mm	15	0.063	0.044	0.021			
			16x0.625mm	10	0.068	0.048	0.023			
			16x2.5mm	40	0.055	0.039	0.019			
			20x0.625mm(UHR)	12.5	0.065	0.046	0.022			
			2x0.5mm(HR)	1	0.134	0.095	0.046			
			2x0.625mm(UHR)	1.25	0.107	0.076	0.037			
			32x1.25mm	40	0.055	0.039	0.019			
			40x0.625mm	25	0.058	0.041	0.020			
			64x0.625mm	40	0.055	0.039	0.019			
			Large	120	120kV-L-501	12x0.625mm	7.5	0.225	0.171	0.087
						12x1.25mm	15	0.191	0.146	0.074
16x0.625mm	10	0.208				0.159	0.081			
16x2.5mm	40	0.169				0.129	0.066			
20x0.625mm(UHR)	12.5	0.198				0.151	0.077			
2x0.5mm(HR)	1	0.409				0.312	0.159			
2x0.625mm(UHR)	1.25	0.326				0.249	0.127			
32x1.25mm	40	0.169				0.129	0.066			
40x0.625mm	25	0.176				0.134	0.068			
64x0.625mm	40	0.169				0.129	0.066			

* $nCTDI_{free\ air}$, $nCTDI_w$ は Philips CT (Brilliance 64) テクニカルリファレンスより算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Large

Table46. Parameters related to dose index for Philips Brilliance iCT

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-501	4x0.625mm	2.5	0.085	0.061	0.030
			8x0.625mm	5	0.091	0.065	0.032
			16x0.625mm	10	0.079	0.056	0.027
			32x0.625mm	20	0.068	0.048	0.024
			64x0.625mm	40	0.059	0.042	0.020
			96x0.625mm	60	0.057	0.040	0.020
			112x0.625mm	70	0.056	0.039	0.019
			128x0.625mm	80	0.055	0.039	0.019
Large	120	120kV-L-501	4x0.625mm	2.5	0.261	0.200	0.102
			8x0.625mm	5	0.278	0.213	0.109
			16x0.625mm	10	0.240	0.184	0.094
			32x0.625mm	20	0.207	0.159	0.081
			64x0.625mm	40	0.180	0.138	0.071
			96x0.625mm	60	0.173	0.133	0.068
			112x0.625mm	70	0.170	0.130	0.066
			128x0.625mm	80	0.167	0.128	0.065
Small	80	80kV-S-501	4x0.625mm	2.5	0.115	ND	0.032
			8x0.625mm	5	0.122	ND	0.034
			16x0.625mm	10	0.105	ND	0.030
			32x0.625mm	20	0.091	ND	0.026
			64x0.625mm	40	0.079	ND	0.022
			96x0.625mm	60	0.076	ND	0.021
			112x0.625mm	70	0.075	ND	0.021
			128x0.625mm	80	0.073	ND	0.021
Small	120	120kV-S-501	4x0.625mm	2.5	0.350	ND	0.099
			8x0.625mm	5	0.373	ND	0.106
			16x0.625mm	10	0.322	ND	0.091
			32x0.625mm	20	0.278	ND	0.079
			64x0.625mm	40	0.242	ND	0.068
			96x0.625mm	60	0.232	ND	0.066
			112x0.625mm	70	0.228	ND	0.064
			128x0.625mm	80	0.224	ND	0.063

* $nCTDI_{free\ air}$, $nCTDI_w$ は Philips CT (iCT Family) テクニカルリファレンスより算出

* 共通プロトコル名対応フィルタ/ Filter corresponding to common protocol

[Body]: Large

[Head]: Large

[PedBody]: Small

[PedHead]: Large

Table47. Parameters related to dose index for Philips Ingenuity

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Large	80	80kV-L-501	12x0.625mm	7.5	0.074	0.052	0.025
			12x1.25mm	15	0.063	0.044	0.021
			16x0.625mm	10	0.068	0.048	0.023
			16x2.5mm	40	0.055	0.039	0.019
			20x0.625mm(UHR)	12.5	0.065	0.046	0.022
			2x0.5mm(HR)	1	0.134	0.095	0.046
			2x0.625mm(UHR)	1.25	0.107	0.076	0.037
			32x1.25mm	40	0.055	0.039	0.019
			40x0.625mm	25	0.058	0.041	0.020
			64x0.625mm	40	0.055	0.039	0.019
Large	120	120kV-L-501	12x0.625mm	7.5	0.225	0.171	0.087
			12x1.25mm	15	0.191	0.146	0.074
			16x0.625mm	10	0.208	0.159	0.081
			16x2.5mm	40	0.169	0.129	0.066
			20x0.625mm(UHR)	12.5	0.198	0.151	0.077
			2x0.5mm(HR)	1	0.409	0.312	0.159
			2x0.625mm(UHR)	1.25	0.326	0.249	0.127
			32x1.25mm	40	0.169	0.129	0.066
			40x0.625mm	25	0.176	0.134	0.068
			64x0.625mm	40	0.169	0.129	0.066

* $nCTDI_{free\ air}$, $nCTDI_w$ は Philips CT (Ingenuity Family) テクニカルリファレンス (459800503861) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Large

[Head]: Large

Table48. Parameters related to dose index for Philips IQon Spectral CT

Filter Size	Potential [kV]	Source Name	Collimation Name (Number of Acquisition Slice x Width)	Total Collimation Width [mm]	$nCTDI_{free\ air}$ [mGy/mAs]	$nCTDI_w$ (16 cm) [mGy/mAs]	$nCTDI_w$ (32 cm) [mGy/mAs]
Medium	80	80kV-L-502	4x0.625mm	2.5	0.131	0.088	0.019
			8x0.625mm	5	0.140	0.095	0.020
			16x0.625mm	10	0.121	0.082	0.017
			32x0.625mm	20	0.104	0.070	0.015
			64x0.625mm	40	0.091	0.061	0.013
Medium	100	100kV-L-502	4x0.625mm	2.5	0.226	0.160	0.079
			8x0.625mm	5	0.243	0.172	0.085
			16x0.625mm	10	0.209	0.148	0.073
			32x0.625mm	20	0.181	0.128	0.063
			64x0.625mm	40	0.158	0.112	0.055
Medium	120	120kV-L-502	4x0.625mm	2.5	0.226	0.160	0.079
			8x0.625mm	2.5	0.340	0.247	0.125
			8x0.625mm	5	0.365	0.265	0.134
			16x0.625mm	10	0.315	0.228	0.116
			32x0.625mm	20	0.272	0.197	0.100
Medium	140	140kV-L-502	64x0.625mm	40	0.237	0.172	0.087
			4x0.625mm	2.5	0.472	0.349	0.179
			8x0.625mm	5	0.506	0.375	0.192
			16x0.625mm	10	0.436	0.323	0.166
			32x0.625mm	20	0.377	0.279	0.143
Medium	140	140kV-L-502	64x0.625mm	40	0.328	0.243	0.125
			4x0.625mm	2.5	0.472	0.349	0.179

* $nCTDI_{free\ air}$, $nCTDI_w$ は Philips CT (IQon Spectral CT) テクニカルリファレンス (459800919611_A/728*02/2016) より算出

* 共通プロトコル名対応フィルタ / Filter corresponding to common protocol

[Body]: Medium

[Head]: Medium

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測定協力または測定値を提供頂いた施設

Facilities that cooperated in measurements or provided measurement values

CT機種	協力施設
GE LightSpeed 16	大分県立三重病院
GE LightSpeed 64	大分アルメイダ病院
GE Discovery CT750HD	みやぎ県南中核病院
GE Revolution CT	北九州市立八幡病院
Siemens SOMATOM Sensation16	東海大学医学部附属病院
Siemens SOMATOM Sensation 64	東海大学医学部附属病院
Siemens SOMATOM Emotion 6	東海大学医学部附属病院
Siemens SOMATOM Definition Flash	東海大学医学部附属病院、放医研病院
Siemens SOMATOM Force	東海大学医学部附属大磯病院
Siemens NAEOTOM Alpha	東海大学医学部附属病院
Toshiba Aquilion 16	新別府病院
Toshiba Aquilion 64	別府鶴見病院、千葉大学医学部附属病院
Toshiba Aquilion LB	福井県立病院
Toshiba Alexion Access Edition	九州大学医学部保健学科
Toshiba Aquilion Prime Beyond Edition	大分三愛メディカルセンター
Toshiba Aquilion ONE	札幌医科大学附属病院
Toshiba Aquilion ONE GENESIS Edition	広島大学医学附属病院
Toshiba Aquilion Precision	広島大学医学附属病院
Hitachi Eclos	日立製作所ヘルスケア柏工場
Hitachi Supria	日立製作所ヘルスケア柏工場
Hitachi SCENARIA	日立製作所ヘルスケア柏工場
Philips Brilliance iCT	熊本中央病院
Philips IQon Spectral CT	熊本中央病院

