

Supplemental Table 1 Pediatric CT pulmonary angiography acquisition parameters

Parameters	Dual-source CT		Single-source CT
	First generation	Second generation	
Tube potential (kVp)	80/140	80/sn140*	80
Effective tube current (mAs)	213/50	89/38	100
Tube current modulation	Yes	Yes	Yes
Collimation**	64×0.6	128×0.6	64/128×0.6
Pitch	0.5	1.0	1.0-1.2
Rotation time (s)	0.33	0.28	0.5
Pixel matrix	512×512	512×512	512×512
Section thickness (mm)	0.75/0.5	0.75/0.5	0.75/0.5
Energy ratio [#]	0.3	0.3	-

*, sn indicates the tin filter which filters high-energy rays of low-energy components, that is selected photon shield (SPS) in second generation dual-source

CT

**, with the z-flying focal spot technique

#, energy ratio indicates a low- and high-kilovoltage linear weighting coefficient. Linear weighting coefficient of 0.3 denotes 30% image information from low-kilovoltage series and 70% from 140-kVp series.