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CT dose reduction in children

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Unfortunately, there were errors in Tables 3 and 5. The corrected tables are given here.

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Table 3 Suggested paediatric CT protocols. *CTDI* CT dose index, *DLP* dose-length product, *ED* effective dose

Weight (kg)	CTDI	kV	mAs	Rows	Comment	Reference
4.5 –<9/9 –<18			40/50	4	Chest and abdomen	[10, 13]
18 –<27/27 –<36			60/70			
36–45			80			
>45–69			100–120			
>70			≥140			
2.5–5	7.1	80	72	4×2.5	Abdomen pitch 0.75	[42]
5–15	9.4	100	56			
15–30	14.0	120	64			
30–50	18.5	120	96			
<15			15%	4	Chest/abdomen % of adult values	[40]
15–24			25%			
25–34			40/35%			
35–44			60/50%			
45–54			80/75%			
>54			100%			

Age (years)	CTDI	DLP	ED (mSV)	Comment	Reference
<1	25/20	180/150	1/5	Brain/chest	[30]
5	25/25	200/200	1/5		
10	50/30	750/600	2/5		
<1	20	330/170	4–8	Upper/lower abdomen	
5	25	360/250	4–8		
10	30	800/500	5–12		

Table 5 Effective dose estimated from dose-length product (DLP)^a [8, 38]

Age	Head	Neck	Chest	Abdomen/pelvis
0 y	0.011/0.027	0.017/-	0.039/0.034	0.049/0.040
1 y	0.007/0.008	0.012/-	0.026/0.021	0.030/0.024
5 y	0.004/0.004	0.011/-	0.018/0.014	0.020/0.016
10 y	0.003/0.003	0.008/-	0.013/0.011	0.0150/0.014
15 y			-/0.015	-/0.009
Adult	0.002/0.003	0.006/-	0.014/0.009	0.015/-

^aNumbers give normalised effective dose per dose-length product (mSv per mGy.cm)