

Supplemental Information

SUPPLEMENTAL TABLE 5 Imaging Exposure of Term and Preterm Infants in the First Year After Discharge From Birth Hospitalization

	Term	Preterm	mSv ^a
<i>N</i>	20 049	2047	—
Radiographs, <i>n</i> , (imaging per 1000 infants)			
Chest	3602 (357)	634 (894)	0.08
Abdominal	597 (48)	124 (160)	0.34
Neck	248 (13)	61 (32)	0.12 ^b
Pelvis	158 (10)	29 (17)	0.35
Skull	99 (4.7)	9 (3.3)	0.6
CT scans, <i>n</i> (imaging per 1000 infants)			
Brain	360 (210)	48 (26)	2.2
Facial bones	43 (2.2)	5 (3.3)	0.5
Spine	15 (0.8)	2 (1)	11.4
Chest	13 (0.9)	6 (3.8)	2.2
Abdominal and/or pelvis	12 (1.2)	4 (2.4)	4.8
Hip	1 (0.05)	0 (0)	7

—, not applicable.

^a mSv estimates per Linet et al³⁰ except as indicated.

^b mSv per Simpson et al.

SUPPLEMENTAL TABLE 6 The Associations of CCCs, Prematurity, and Odds of Crossing Radiation Threshold: Distribution of CCCs Between Term and Preterm Infants

	Term	Preterm	<i>P</i>
Any CCC	3756 (18.7)	840 (40.1)	<.001
Neuromuscular	438 (2.2)	148 (7.1)	<.001
Cardiac	1007 (5.0)	438 (20.9)	<.001
Respiratory	296 (1.5)	232 (11.1)	<.001
Renal	241 (1.2)	59 (2.8)	<.001
Gastrointestinal	66 (0.33)	28 (1.34)	<.001
Hematologic	627 (3.1)	92 (2.4)	.002
Metabolic	531 (2.7)	76 (3.6)	.009
Genetic or congenital	693 (3.5)	161 (7.7)	<.001
Cancer	710 (3.5)	104 (5.0)	.001

SUPPLEMENTAL TABLE 7 The Associations of CCCs, Prematurity, and Odds of Crossing Radiation Threshold: Odds of Crossing Radiation Threshold by CCC for Term and Preterm Infants

	Term, OR (95% CI)	Preterm, OR (95% CI)
Any CCC	4.42 (3.57–5.47)	6.70 (3.78–11.85)
Neuromuscular	4.35 (3.05–6.20)	2.47 (1.35–4.49)
Cardiac	3.63 (2.72–4.85)	1.58 (0.92–2.71)
Respiratory	2.23 (1.29–3.84)	3.94 (2.28–6.82)
Renal	0.60 (0.26–1.38)	1.20 (0.40–3.55)
Gastrointestinal	2.75 (1.22–6.19)	5.12 (1.92–13.68)
Hematologic	1.30 (0.78–2.15)	1.65 (0.69–3.98)
Metabolic	1.76 (1.09–2.85)	3.00 (1.32–6.82)
Genetic or congenital	4.00 (2.91–5.50)	3.55 (2.00–6.32)
Cancer	1.69 (1.11–2.60)	1.72 (0.78–3.82)