

SUPPLEMENTARY TABLE S1: Indicative brain dose assigned by type of x-ray examination using 5-year lag and excluding participants with prior radiotherapy with numbers of exposed cases and controls

X-ray examination	Type/Indication	Brain dose (mGy)	Cases, N (%)	Controls, N (%)
Head ¹	Headache	0.9	190 (1.5)	308 (2.2)
	Trauma	1.0	731 (5.9)	817 (5.9)
	Dizziness	0.9	32 (0.3)	53 (0.4)
	Sinusitis	0.9	867 (7.1)	960 (6.9)
	Other	0.9	866 (7.0)	939 (6.7)
	Computed tomography	20	603 (7.0)	939 (6.7)
Neck (cervical spine)	X-ray	0.1	1,508 (12.3)	1,966 (14.1)
	Computed tomography	1	55 (0.4)	62 (0.4)
Dental	Full mouth	0.01	2,133 (17.4)	2,622 (18.8)
	Other	0.002	4,730 (38.5)	4,930 (35.3)
Angiography ²		5	62 (0.5)	82 (0.6)
Sialography		2	25 (0.2)	28 (0.2)
Myelogram		0.5	-	2 (0.0)
Isotope scan	Head	1	2 (0.0)	2 (0.0)
	Heart	3	11 (0.1)	9 (0.1)
	Bone	1	12 (0.1)	10 (0.1)
	Kidney	1	-	-
	Thyroid	1	458 (3.7)	548 (3.9)
	Lung	0.2	-	-

¹Including skull, facial bones, nasal bones, mandible, temporo-mandibular joint, paranasal sinuses

²Including carotid and aortocervical angiography, venography, arteriogram