

Appendix 2: Selected LDRLs

LDRLs for Radiographic and Fluoroscopic X-ray Imaging Procedure

Radiograph	Dose per radiograph
	DAP (uGy m2)
Abdomen AP	250
Chest PA	10
Cervical spine AP	15
Cervical spine LAT	15
Lumbar spine AP	150
Lumbar spine LAT	250
Pelvis AP	220
Thoracic spine AP	100
Thoracic spine LAT	150

Recommended national reference doses for diagnostic examinations on adult patients

Examination	DAP per exam(Gy cm2)	Fluoroscopy time per exam(mins)
Abdomen	4.4	
Barium (or water soluble) enema	21	2.6
Barium follow through	8.4	2
Barium meal	12	2.6
Barium meal & swallow	10	2.3
Barium (or water soluble) swallow	7.5	2.1
Barium small bowel enema	23	8.9
Barium swallow (video)	3.4	3.5
Chest	0.3	
Coronary angiography	31	4.3
Coronary graft angiography	47	13
Femoral angiography	56	5.9
Fistulography	8	6.7
Hysterosalpingography	2	0.7
IVU	14	
Lumbar spine	6	
MCU	7	1.6
Nephrostography	9	3.9
Proctography	14	1.3
Sialography	2.8	1.5
Sinography	7	1.7
T-tube cholangiography	5	1.8

Recommended national reference doses for interventional procedures on adult patients

Interventional procedure	DAP per exam(Gy cm ²)	Fluoroscopy time per exam(mins)
Biliary intervention	43	14
Facet joint injection	6	1.4
Hickman line insertion	3	1.5
Nephrostomy	13	6.7
Oesophageal stent	13	5
Pacemaker(permanent)	7	6
PTCA (single stent)	40	11.3

Recommended national reference doses for complete examinations on paediatric patients

Examination	Standard age (y)	DAP per exam(Gy cm ²)
MCU	0	0.1
	1	0.3
	5	0.3
	10	0.4
	15	0.9
Barium Meal	0	0.1
	1	0.2
	5	0.2
	10	0.7
	15	2
Barium Swallow	0	0.2
	1	0.4
	5	0.5
	10	1.8
	15	3

Computerised Tomography

Examination	DLP (mGy cm)
Head	890
Cervical spine	525
Chest	500
Chest – high resolution	230
Abdomen	670
Abdomen and pelvis	645
Chest/Abdomen/Pelvis	900
CTPA	360
Axial-only	110

Helical-only	360
Virtual colonoscopy	780
Kidney-ureters-bladder	355
Urogram	960
CTA	800
Enteroclysis	580

Dental

Radiograph	PED per radiograph (mGy)
Intra-oral (adult)	1.7
DAP per radiograph (mGy cm²)	
Panoramic (adult)	93

Mammography

MGD	3.5 mGy
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