

## Paediatric diagnostic reference activities in 2009

Procedure Name	Nuclide	Chemical Form	Route of Administration	Paediatric Ref A <sub>min</sub> (MBq)	No. of responses A <sub>min</sub>	Paediatric Ref A <sub>max</sub> (MBq)	No. of responses A <sub>max</sub>
Bone marrow	Tc-99m	colloid, nanocolloid	iv	40	3	370	3
Bone scan	Tc-99m	MDP, HDP	iv	75	8	745	8
Brain	Tc-99m	HMPAO, ECD	iv	100	7	740	8
Brain	F-18	FDG	iv	NA	1	285	2
Cardiac GHPS	Tc-99m	red cells	iv	90	6	740	7
Cardiac first pass	Tc-99m	red cells, pertechnetate	iv	45	4	300	4
Cardiac L/R shunt	Tc-99m	pertechnetate	iv bolus	60	2	280	2
Cardiac R/L shunt	Tc-99m	MAA	iv	20	2	80	3
CSF leak	Tc-99m	DTPA	intrathecal	NA	1	195	2
CSF shunt patency	Tc-99m	DTPA, pertechnetate	cisternal	35	4	40	5
GIT blood loss	Tc-99m	red cells	iv	75	7	740	7
GIT colonic transit	Ga-67	citrate	oral	4	5	6	6
GIT gastric emptying	Tc-99m	colloid, DTPA	oral	20	7	40	8
GIT oesoph transit	Tc-99m	colloid	oral	13	4	20	6
GIT oesoph reflux	Tc-99m	colloid	oral	20	6	40	7
Hepatobiliary	Tc-99m	HIDA, DISIDA, DIDA	iv	35	8	180	8
Infection	Tc-99m	wbc-colloid, wbc-HMPAO	iv	100	6	400	7
Infection	In-111	wbc	iv	75	2	360	2
Infection (whole body)	Ga-67	citrate	iv	20	7	150	7
Liver blood flow	Tc-99m	red cells	iv	65	4	580	4
Liver/spleen	Tc-99m	colloid	iv	20	7	150	7
Liver transplant	Tc-99m	HIDA, DISIDA	iv	40	2	135	2
Lung perfusion	Tc-99m	MAA	iv	20	8	150	8
Lymphoscint- melanoma	Tc-99m	nanocolloid	intradermal	10	5	20	5
Meckel's diverticulum	Tc-99m	pertechnetate	iv	40	8	385	8
Myocardial perfusion - 1 day rest/stress (rest)	Tc-99m	MIBI, tetrofosmin	iv	150	3	370	3
Myocardial perfusion - 1 day rest/stress (stress)	Tc-99m	MIBI, tetrofosmin	iv	185	3	1110	3
Parathyroid	Tc-99m	MIBI, tetrofosmin	iv	80	3	740	3
Renal cystogram	Tc-99m	pertechnetate, colloid	bladder	30	6	40	7
Renal scan	Tc-99m	DTPA	iv	50	6	290	6
Renal scan	Tc-99m	DMSA	iv	40	8	125	8
Renal scan	Tc-99m	MAG3	iv	20	8	185	8
Renal transplant	Tc-99m	DTPA, MAG3	iv	20	5	260	5

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Salivary glands	Tc-99m	pertechnetate	iv	25	2	150	2
Somatostatin receptors	In-111	Octreotide	iv	30	4	210	4
Spleen	Tc-99m	rbc's denatured	iv	80	5	240	5
Testicular scan	Tc-99m	pertechnetate	iv	20	3	240	3
Thyroid	Tc-99m	pertechnetate	iv	20	8	120	8
Thyroid	I-123	iodide	iv	20	3	200	3
Thyroid - wb scan for Ca	I-131	iodide	oral	NA	1	110	2
Thyroid - wb scan for Ca	I-123	iodide	oral	NA	1	190	2
Tumour	Tc-99m	[V]-DMSA	iv	50	3	320	3
Tumour	Tl-201	chloride	iv	40	3	105	4
Tumour	Ga-67	citrate	iv	40	5	300	7
Tumour	I-131	MIBG	iv infusion	20	2	35	2
Tumour	I-123	MIBG	iv infusion	70	7	220	7
Tumour	Tc-99m	MIBI	iv	90	2	630	2
Tumour wholebody	F-18	FDG	iv	50	3	250	3
Renal GFR	Tc-99m	DTPA	iv	50	3	30	5
Renal GFR	Cr-51	EDTA	iv	NA	1	2.4	2