

# Measured and Estimated Skin Doses for Ten Procedures in '02

Peak skin dose (cGy) measured using GAFCHROMIC XR-R	Procedure	Fluoro time (min)	Peak skin dose (cGy) estimated from DAP meter	Error in DAP meter estimate
70	Electrophysiology/ Radiofrequency Ablation	7.7	50	40%
60	PTCA with 4 grafts	9.1	62	-3%
50	PTCA with LAD Stent	9.9	28	79%
20	PTCA with 1 graft	11.2	76	-74%
205	Biliary Stent	16.8	138	49%
25	R+L PTCA using BiPlane unit	19	27	-7%
180	PTCA* with CPP	32.3	61	195%
700	Uterine Artery embolization	42.5	411	70%
318	Biventricular Pacemaker insertion	48	146	118%
460	Transjugular Intrahepatic Porto-systemic Stent	53.9	443	4%

- 40% of patients received peak skin dose >200cGy.
- Very poor correlation between fluoroscopy time and peak skin dose
- Estimates from DAP meter usually seriously under-predict measured dose