



Correction to: Patient dose reference levels in surgery: a multicenter study

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The original version of this article, published on 01 August 2018, unfortunately contained two mistakes. The following corrections have therefore been made in the original:

The presentation of Table 2 was incorrect, and in the “Results” section, the number of orthopedic procedures was wrong. The correct wording is “A total of 1870 procedures of 8 different surgical types were collected in adults: 1220 for orthopedic procedures and 650 for gastrointestinal and urologic procedures (Table 2).” The corrected table is given below. The original article has been corrected.

The online version of the original article can be found at <https://doi.org/10.1007/s00330-018-5600-2>

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Table 2 Number of procedures (*N*), number of centers (NC), and median value of the distributions of both dosimetric estimators (kerma-area product (KAP) and fluoroscopy time (FT)) for all procedures included in the survey

Surgery location	Category	<i>N</i>	NC	Median KAP (mGy.cm ²) (1st q.; 3rd.)	Median FT (min) (1st q.; 3rd.)
Hand/wrist*	Conventional C-arm	250	5	46 (15; 125)	0.25 (0.11; 0.55)
	Mini-C-arm	100	2	17 (11; 28)	0.20 (0.08; 0.37)
Elbow		120	4	52 (29; 182)	0.23 (0.08; 0.68)
Shoulder	Intra-medullary	100	4	541 (256; 1497)	1.13 (0.74; 2.36)
	Extra-medullary	100	4	113 (25; 417)	0.17 (0.07; 0.79)
Hip (proximal femoral intramedullary nail)		250	5	952 (376; 2128)	0.85 (0.55; 1.33)
Foot/ankle*	Conventional C-arm	200	4	71 (24; 203)	0.25 (0.09; 0.54)
	Mini-C-arm	100	2	24 (14; 54)	0.23 (0.13; 0.44)
Implantable venous access port insertion		200	4	104 (43; 338)	0.13 (0.03; 0.45)
Laparoscopic cholecystectomy		250	5	409 (145; 1185)	0.37 (0.10; 0.82)
Double-J ureteral catheter insertion		200	4	1059 (381; 2192)	0.48 (0.24; 0.90)

*Center 1 gave data for both types of C-arm and center 2 only for the mini-C-arm