

The following content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

Appendix I: CT scan protocols and their frequency [n] in the present study. Total number of CT scans= 60. SD standard deviation.

Scan Protocols	
Axial x Coronal x Sagittal [mm]	
Mean±SD: 1.97±1.11 x 2.57±1 x 2.57±1	Amount [n]
0.625 x 1 x 1	5
0.625 x 2 x 2	2
0.67 x 3 x 3	1
0.75 x 2 x 2	1
0.75 x 3 x 3	2
1 x 2 x 2	2
1 x 3 x 3	8
1.25 x 3 x 3	4
1.5 x 4 x 4	1
2 x 1 x 1	1
2 x 2 x 2	11
2.5 x 5 x 5	1
3 x 2 x 2	9
3 x 3 x 3	8
3 x 5 x 5	1
4 x 5 x 5	1
5 x 5 x 5	2

Appendix II: Patient demographics and the fracture classification by the submitting hospital and “gold standard”. If the “gold standard” rating differed between classification cycles, the separate classifications are given and used to calculate the fracture distribution according to the “gold standard” classification.

Submitting Hospital	Patient number	Sex	Age [years]	Trauma mechanism	Classification		Fracture distribution according to:	
					Submitting Hospital	"Gold Standard"	Submitting Hospital	"Gold Standard"
	$\Sigma = 60$	m:f (13:47)	81.80±7.17 (range: 62-101)		Submitting Hospital	"Gold Standard"	Submitting Hospital	"Gold Standard"
1	1	w	85	Fall from a standing position on the bottom	IVb	IVb	2 x I 2 x II 2 x III 4 x IV	2 x I 2 x II 2 x III 4 x IV
	2	w	87	Fall from a standing on the left hip	Ia	2x Ia, 1x IIb		
	3	w	89	Fall from a standing position on the bottom	IVb	IVb		
	4	w	87	non memorable trauma	IVb	IVb		
	5	m	74	Fall from a standing position	IIIc	2x IIIc, 1x IIc		
	6	w	81	Fall from a standing position on the bottom	IVb	IVb		
	7	w	90	non memorable trauma	Ia	Ia		
	8	m	83	Fall from a standing position	IIb	IIb		
	9	w	80	Fall from a standing position	IIb	IIb		
	10	w	80	Fall from a standing position	IIIa	IIIa		
2	11	w	74	non memorable trauma	Ia	Ia		

	12	m	97	Fall from a standing position	Ia	Ia	2 x I 3 x II 2 x III 3 x IV	2 x I 4 x II 2 x III 2 x IV
	13	w	89	Fall from a standing position	IIa	2x IIa, 1x IIc		
	14	w	87	Fall from a standing position	IIb	IIc		
	15	w	85	Fall from a standing position	IIc	IVb		
	16	w	101	Fall from a standing position	IIIb	IIIa		
	17	w	85	Fall from a standing position	IIIc	IIIa		
	18	w	91	Fall from a standing position	IVb	2x IIa, 1x IVb		
	19	w	86	Fall from a standing position	IVb	IIc		
	20	w	75	Fall from a standing position	IVc	2x IVc, 1x IIc		
3	21	m	76	Fall from a standing position	Ia	Ia	2 x I 3 x II 2 x III 3 x IV	2 x I 4 x II 1 x III 3 x IV
	22	w	75	Fall from a standing position	Ia	Ia		
	23	m	79	Fall from a standing position	IIb	IIb		
	24	w	83	Fall from a standing position	IIb	IIb		
	25	w	80	Fall from stairs	IVb	IVb		
	26	m	80	Fall from a standing position	IIIa	2x IIc, 1x IIIa		
	27	w	82	Fall from a standing position	IIIa	2x IIIa, 1x IIc		
	28	m	78	Fall from a standing position	IVc	IVb		
	29	w	78	Fall from a standing position	IIb	IIb		
	30	w	63	Fall from a standing position	IVc	IVb		
	31	w	62	non memorable trauma	IIc	IIb	3 x I 2 x II 2 x III 3 x IV	2 x I 5 x II 1 x III 2 x IV
4	32	w	89	Fall from the bed	IIIc	2x IIb, 1x IIc		
	33	w	86	Fall from a standing position	IIIa	IIIa		

	34	w	85	Fall from a standing position	Ia	IIb		
	35	w	87	Fall from a standing position	Ia	Ia		
	36	w	79	Fall from a standing position	IVb	IVb		
	37	w	88	non memorable trauma	IIa	IIc		
	38	w	84	Fall from a standing position	IVb	2x IVb, IIa		
	39	m	77	Fall from a standing position	Ia	2x IIc, 1x IIb		
	40	m	77	non memorable trauma	IVc	Ib		
5	41	w	90	Fall from a standing position	Ia	Ia	2 x I 4 x II 2 x III 2 x IV	2 x I 6 x II 1 x III 0 x IV 1x not classifiable
	42	w	93	Fall from a standing position	Ib	Ia		
	43	m	80	Fall from a standing on the left hip	IIa	IIa		
	44	w	84	Fall from a standing position	IIIc	2x IIc, 1x IIb		
	45	m	84	Fall from a standing position	IIc	2x IIc, 1x IIb		
	46	w	82	no trauma remembered	IIIa	IIIa		
	47	w	84	Fall from a standing position	IIc	IIb		
	48	m	86	Fall from a standing position	IIb	not classifiable		
	49	w	74	non memorable trauma	IVb	2x IIa, 1x IIc		
	50	w	75	non memorable trauma	IVb	2x IIa, 1x IVb		
6	51	w	81	Fall from a standing position	IVc	IVb	2 x I 4 x II 2 x III 2 x IV	1 x I 5 x II 2 x III 2 x IV
	52	w	77	non memorable trauma	IVc	2x IVc, 1x IVb		
	53	w	79	Fall from a standing position	IIb	IIb		

	54	w	86	Fall from a standing position	IIb	IIb		
	55	w	73	Fall from a standing position	Ia	2x Ia, 1x IIb		
	56	w	79	Fall from a standing position	IIb	IIb		
	57	w	80	Fall from a standing position	IIb	2x IIc, 1x IIb		
	58	w	64	Fall from a standing position	IIIc	IIIc		
	59	w	83	Fall from a standing position	IIIb	IIIb		
	60	m	80	Fall from a standing position	Ia	IIb		

COPYRIGHT © BY THE JOURNAL OF BONE AND JOINT SURGERY, INCORPORATED

PIEROH ET AL.

FRAGILITY FRACTURES OF THE PELVIS CLASSIFICATION. A MULTICENTER ASSESSMENT OF THE INTRA-RATER AND INTER-RATER RELIABILITIES AND PERCENTAGE OF AGREEMENT

<http://dx.doi.org/10.2106/JBJS.18.00930>

Page 6

Appendix III: Analysis of the “direction” of disagreement for the respective main group between raters and references (“gold standard,” submitting hospital and majority vote). Absolute differences are given as mean with the corresponding 95% CI in parentheses.

FFP Main Group	"Gold Standard"				Submitting Hospital				Majority Vote			
	Overall	Experienced	Inexperienced	n	Overall	Experienced	Inexperienced	n	Overall	Experienced	Inexperienced	n
I	0.205 [0.129;0.273]	0.136 [0.030;0.242]	0.273 [0.182;0.379]	11	0.385 [0.212;0.577]	0.346 [0.128;0.615]	0.423 [0.256;0.577]	13	0.222 [0.146;0.292]	0.153 [0.056;0.264]	0.292 [0.208;0.375]	12
II	0.333 [0.144;0.561]	0.391 [0.173;0.647]	0.276 [0.096;0.468]	26	0.363 [0.113;0.642]	0.441 [0.167;0.745]	0.284 [0.039;0.559]	17	0.131 [0.048;0.226]	0.183 [0.063;0.310]	0.079 [0.000;0.167]	21
III	-0.028 [-0.185;0.139]	0.00 [-0.167;0.148]	-0.056 [-0.222;0.111]	9	-0.160 [-0.327;0.006]	-0.103 [-0.308;0.077]	-0.218 [-0.385;-0.038]	13	-0.042 [-0.175;0.100]	0.000 [-0.150;0.133]	-0.083 [-0.233;0.083]	10
IV	-0.154 [-0.263;-0.058]	-0.128 [-0.231;-0.013]	-0.179 [-0.346;-0.064]	13	-0.500 [-0.838;-0.186]	-0.490 [-0.873;-0.176]	-0.510 [-0.873;-0.216]	17	-0.146 [-0.240;-0.063]	-0.104 [-0.198;-0.010]	-0.188 [-0.323;-0.073]	16