



## Supplementary Material

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**Table i.** Values - median (interquartile range) - measured for the bone ingrowth parameters related to each individual acetabular implant.

Case no.	Bone area (%)	Extent of ingrowth (%)	Bone-implant contact (%)	Depth of ingrowth	
				Extent of max depth (%)	Median deepest point (%)
<b>3D-Printed</b>					
1	88.9 (83.8 – 94.7)	100 (100 – 100)	91.0 (84.1 – 100)	87.9 (75.6 – 100)	91.2 (87.2 – 95.7)
2	93.7 (87.6 – 96.7)	100 (100 – 100)	97.8 (89.9 – 100)	100 (84.9 – 100)	94.7 (92.6 – 96.1)
3	92.6 (88.4 – 95.7)	100 (100 – 100)	100 (92.5 – 100)	100 (91.7 – 100)	90.4 (81.8 – 94.5)
4	43.8 (34.2 – 56.5)	86.4 (71.9 – 95.0)	34.0 (19.1 – 51.3)	50.0 (25.7 – 75.0)	89.8 (85.1 – 93.1)
5	41.9 (26.3 – 54.9)	85.2 (76.4 – 96.1)	11.8 (8.2 – 19.8)	0.0 (0.0 – 8.3)	75.6 (63.0 – 84.6)
6	48.8	100	40.0	13.6	79.9

	(32.0 – 71.4)	(88.9 – 100)	(12.8 – 73.3)	(0 – 70.0)	(70.7 – 85.8)
7	29.7 (23.1 – 36.8)	82.6 (68.7 – 95.8)	12.5 (8.1 – 21.7)	0.0 (0.0 – 0.0)	76.7 (67.3 – 84.3)
<b>Conventional</b>					
8	50.0 (29.3 – 63.8)	86.9 (59.1 – 100)	28.1 (16.2 – 72.4)	21.7 (0.0 – 71.4)	70.4 (45.4 – 87.6)
9	33.3 (23.2 – 49.2)	84.6 (53.9 – 100)	20.0 (10.4 – 28.9)	5.6 (0.0 – 20.0)	48.1 (27.7 – 71.4)
10	30.8 (21.8 – 41.1)	77.8 (58.7 – 91.5)	19.4 (10.1 – 27.8)	0.0 (0.0 – 21.4)	47.2 (26.4 – 75.9)
11	25.2 (17.1 – 39.1)	75.5 (57.7 – 91.9)	13.7 (8.1 – 19.8)	0.0 (0.0 – 9.9)	52.0 (25.7 – 78.0)
12	20.8 (10.8 – 51.3)	76.9 (42.9 – 100)	10.4 (7.1 – 19.8)	0.0 (0.0 – 9.9)	43.8 (18.6 – 66.1)
13	41.3 (24.9 – 53.9)	78.5 (47.9 – 100)	24.4 (9.4 – 39.9)	20.9 (0.0 – 48.7)	71.9 (50.9 – 81.8)
14	28.9 (16.5 – 38.9)	80.9 (57.4 – 100)	18.8 (11.0 – 33.5)	5.7 (0.0 – 20.9)	67.8 (38.6 – 86.1)