

Corrigendum

Similar outcome with a new anteverted or a straight standard stem: a randomized study of 72 total hip arthroplasties evaluated with clinical variables, radiostereometry, and DXA up to 2 years

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Submitted 2020-11-19. Accepted 2021-09-23. Corrected 2023-12-01.
ACTA ORTHOP 2022; 93: 59–67 doi:10.1080/17453674.2021.1993606

When we checked our data in our article “Similar outcome with a new anteverted or a straight standard stem: a randomized study of 72 total hip arthroplasties evaluated with clinical variables, radiostereometry, and DXA up to 2 years” by Karin Rilby, Maziar Mohaddes, Emma Nauclér, and Johan Kärrholm, Acta Orthop 2021; 92, Published online October 21, 2021 we noticed that the numbers in Table 7 (Supplementary data) were incorrect. We have not been able to fully reconstruct the reason for this error. We are sorry for this mistake. Even if the corrected numbers are different the overall conclusions will be same and also the statistical significances.

Original text

Bone mineral density (BMD)

On the lateral side of the stem (Gruen regions 1–3) and at the tip of the stem (region 4) the mean bone mineral density had decreased at 2 years in both groups without any statistically significant difference between them (Table 7, see Supplementary data). On the medial side, SP-CL stems showed a mean decrease of BMD in regions 6 and 7, whereas the Corail stem showed a decrease only in region 7. The observed differences were statistically significant for region 7 ($p = 0.003$).

Corrected version

Bone mineral density (BMD)

On the lateral side of the stem (Gruen regions 1–3) and at the tip of the stem (region 4) the mean bone mineral density had decreased at 2 years in both groups without any statistically significant difference between them (Table 7, see Supplementary data). On the medial side, both stems showed a mean decrease of BMD in regions 6 and 7. **In region 6 the SP-CL stem lost slightly more BMD than the Corail stem, however, the difference was not statistically significant ($P = 0.05$). In region 7 the difference was larger, the SP-CL stem lost a mean of 26% whereas the Corail stem lost 14% ($p = 0.003$).**



Supplementary data

Original Table 7

Table 7. Postoperative bone mineral density related to Gruen regions and postoperative mean change at 6 and 24 months

Gruen region	Type of stem	n	Postoperative mean BMD (95% CI)	6 months		2 years	
				n	change % (95% CI)	n	change % (95% CI)
1	SP-CL	35	0.77 (0.72–0.81)	34	-6.9 (-10 to -3.1)	35	-7.2 (-12 to -2.5)
	Corail	29	0.75 (0.70–0.80)	28	-6.9 (-10 to -3.7)	29	-5.7 (-9.3 to -2.1)
2	SP-CL	35	1.52 (1.46–1.59)	34	-5.3 (-8.0 to -2.5)	35	-6.7 (-13 to -0.8)
	Corail	29	1.55 (1.48–1.62)	28	-4.1 (-7.1 to 1.1)	29	-6.8 (-10 to -3.4)
3	SP-CL	35	1.75 (1.69–1.82)	34	-1.3 (-3.1 to 0.5)	35	-2.6 (-5.4 to 0.3)
	Corail	29	1.75 (1.68–1.82)	28	-0.1 (-2.6 to 2.3)	29	-2.5 (-4.6 to -0.3)
4	SP-CL	35	1.87 (1.80–1.94)	34	0.3 (-1.3 to 1.9)	35	-1.6 (-4.3 to 1.3)
	Corail	29	1.83 (1.76–1.91)	28	0.2 (-1.5 to 1.8)	29	-2.1 (-3.7 to -0.5)
5	SP-CL	35	1.87 (1.80–1.95)	34	1.6 (-0.2 to 3.4)	35	0.1 (-2.3 to 2.6)
	Corail	29	1.84 (1.75–1.93)	28	1.4 (-0.2 to 2.9)	29	2.7 (-0.7 to 6.0)
6	SP-CL	35	1.48 (1.41–1.55)	34	-6.6 (-11 to -2.7)	35	-3.9 (-8.0 to 0.1)
	Corail	29	1.42 (1.35–1.50)	28	-3.2 (-5.8 to 0.7)	29	0.3 (-6.0 to 6.6)
7	SP-CL	35	1.29 (1.23–1.36)	34	-19 (-27 to -11)	35	-14 (-19 to -9.0)
	Corail	29	1.24 (1.14–1.34)	28	-15 (-19 to -11)	29	-11 (-18 to -4.0)

Corrected Table 7

Table 7. Postoperative bone mineral density related to Gruen regions and postoperative mean change at 6 and 24 months

Gruen region	Type of stem	n	Postoperative mean BMD (95% CI)	6 months		2 years	
				n	change % (95% CI)	n	change % (95% CI)
1	SP-CL	36	0.77 (0.73–0.81)	36	-7.9 (-11 to -4.6)	35	-7.8 (-11 to -4.4)
	Corail	35	0.75 (0.71–0.79)	35	-6.9 (-9.6 to -4.2)	29	-5.7 (-9.3 to -2.1)
2	SP-CL	36	1.53 (1.46–1.59)	36	-6.9 (-11 to -3.1)	35	-7.0 (-10 to -3.7)
	Corail	35	1.55 (1.48–1.62)	35	-2.2 (-4.9 to 0.5)	29	-6.7 (-10 to -3.4)
3	SP-CL	36	1.76 (1.69–1.82)	36	-0.7 (-2.8 to 1.3)	35	-1.9 (-3.9 to 0.1)
	Corail	35	1.75 (1.67–1.82)	35	-2.0 (-4.4 to 0.4)	29	-2.5 (-4.6 to -0.3)
4	SP-CL	36	1.88 (1.81–1.95)	36	0.6 (-1.4 to 2.6)	35	-1.5 (-3.1 to 0.1)
	Corail	35	1.85 (1.78–1.93)	35	0.3 (-1.1 to 1.7)	29	-2.1 (-4.6 to -0.3)
5	SP-CL	36	1.88 (1.81–1.95)	36	0.8 (-1.5 to 3.0)	35	0.4 (-1.7 to 2.5)
	Corail	35	1.84 (1.78–1.93)	35	1.7 (-0.5 to 3.9)	29	0.1 (-2.3 to 2.6)
6	SP-CL	36	1.48 (1.41–1.55)	36	-6.2 (-9.1 to -3.2)	35	-9.1 (-13 to -5.6)
	Corail	35	1.42 (1.36–1.49)	35	-3.5 (-6.6 to -0.3)	29	-3.9 (-8.0 to 0.1)
7	SP-CL	36	1.29 (1.22–1.36)	36	-21 (-26 to -15)	35	-26 (-31 to -20)
	Corail	35	1.25 (1.15–1.34)	35	-16 (-19 to -12)	29	-14 (-19 to -9.0)