

Supplementary article data

A micro-architectural evaluation of osteoporotic human femoral heads to guide implant placement in proximal femoral fractures

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Table 3. p-values for post-hoc multiple comparisons of architectural indices of cube 14 (central) with the other cubes. Overall p- and F-values for the Friedman repeated-measures non-parametric test have been reported for each measure

Cube 14 versus:	BV/TV	Structural model index	Degree of anisotropy	Connectivity density	Trabecular thickness
1	0.4	0.3	1	> 1	0.5
2	0.006	0.001	> 1	> 1	0.5
3	< 0.0001	0.0002	> 1	> 1	< 0.0001
4	> 1	> 1	> 1	> 1	> 1
5	0.6	0.2	> 1	> 1	> 1
6	0.001	0.001	> 1	> 1	0.0005
7	0.1	0.08	> 1	> 1	0.006
8	0.006	0.02	> 1	> 1	0.01
9	0.0002	0.0003	> 1	> 1	0.0002
10	> 1	> 1	0.3	> 1	0.7
11	> 1	> 1	> 1	> 1	0.3
12	0.002	0.005	> 1	> 1	0.0001
13	> 1	> 1	> 1	> 1	> 1
14					
15	0.02	0.007	> 1	1	0.06
16	0.26	0.41	> 1	> 1	0.117
17	> 1	0.7	> 1	> 1	> 1
18	0.007	0.004	> 1	0.7	0.1
p-value	< 0.001	< 0.001	0.3	0.3	< 0.0001
F statistic	55.3	56.2	19.5	18.7	62.4

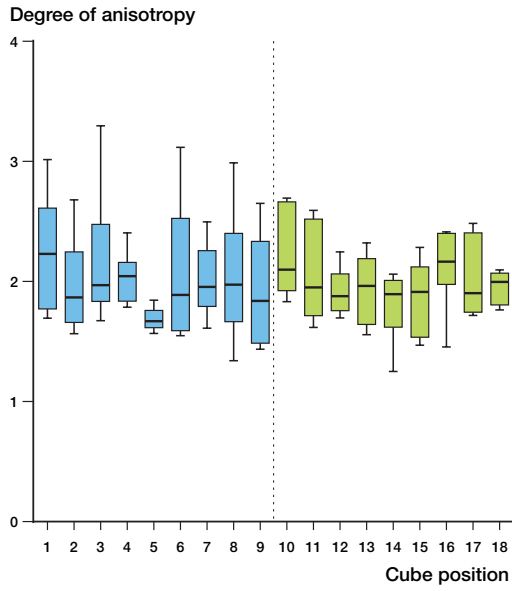


Figure 5. Degree of anisotropy (DA, with 95% CI) at different sites in the femoral head.

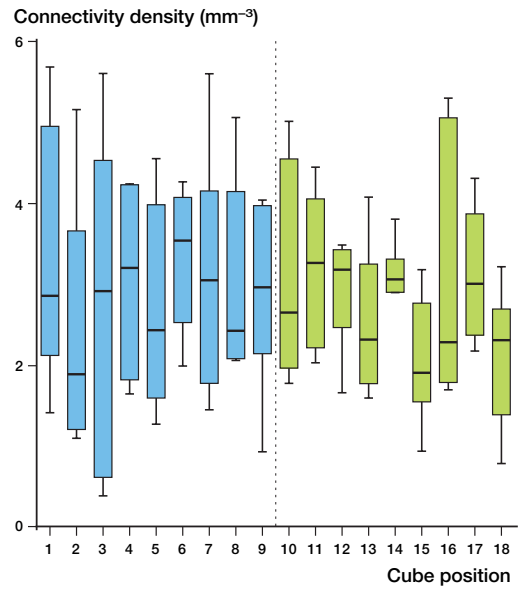


Figure 6. Connectivity density (Conn.D, with 95% CI) at different sites in the femoral head.