CORRIGENDUM

Wnt/ β -catenin signaling stimulates matrix catabolic genes and activity in articular chondrocytes: its possible role in joint degeneration

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Following the publication of this article, the author has made corrections in the legend of Figure 4 and in Tables 1 and 2 as follows:

Figure 4 Histological and immunohistochemical analysis of guinea pig knee joints. Longitudinal sections of tibial medial plateau from 4-month-old (a-d), 8-month-old (e-h) and 12-month-old (i-l) Hartley guinea pigs were stained

Table 1	Relationship	between	age-related	osteoarthritic
changes	and positive	β-catenir	n immunosta	ining in Hartley
guinea	oig knee joint	t articular	cartilage	

Age (average of scores)		β- c	atenin s	taining		Total		
	Ne	gati	ve Positi	ve Positi %	ive			
4 months (0.6)		5	0	0		5]	P<0.05] R < 0.01
6–8 months (4.65)* 10–12 months (6.52) ^{**}	-	9 7	11 18	55 72		20 J 25		P<0.01

Serial sections from medial tibial plateau of 4-, 6-, 8-, 10- and 12-month-old Hartley guinea pig knee joints were stained with H&E and safranin-O and evaluated by a modified Mankin's score by three independent investigators. The average of scores was significantly different between the 4-month-old and 6- to 8-month-old groups (*P<0.05), and between 6- to 8-month-old and 10- to 12-month-old group (*P<0.05) as determined by a Student's *t*-test. Companion sections were stained with β -catenin antibodies, and degree of staining was evaluated by independent investigators and set to the following three levels: negative, threshold or positive. Only sections judged positive by all investigators were counted as positive. χ^2 -tests indicated lack of independence between age and β -catenin-positive results.

with H&E (**a**, **e**, **i**), safranin-O (**b**, **f**, **j**), and anti- β -catenin antibody (**c**, **d**, **g**, **h**, **k**, **l**). (**d**, **h**, **l**) Enlarged images of the squared area in (**c**), (**g**) and (**k**), respectively. Note that 4-month-old specimens exhibit a healthy articular cartilage structure and are negative for β -catenin chondrocyte staining, whereas 8- and 12-month-old specimens exhibit both strong staining and degeneration changes (fissures and loss of matrix). Bars represent 0.5 mm (**a**-**c**; **e**-**g**; **i**-**k**) and 0.1 mm (**d**, **h**, **l**).

There are the values switched the other way around between negative and positive in Tables 1 and 2.

Table 2	Relationship	between	severity	of	joint	changes	and
positive	β -catenin sta	ining					

Grading score	eta-catenin	staining	Total		
	Negative	Positive			
0–2	11	0	¹¹] 0.001		
3–5	6	6	$12 \frac{1}{12} p < 0.01$		
6–8	3	20	23		
9–11	0	4	4		

The results of β -catenin immunostaining in Table 1 were regrouped according to osteoarthritic grading score (normal, grade 0–2; slight, grade 3–5; moderate, grade 6–8 and severe, grade 9–11). Values were analyzed by χ^2 -tests.