

SUPPLEMENTARY MATERIAL

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Cartilage canals in newborn dogs: histochemical and immunohistochemical findings

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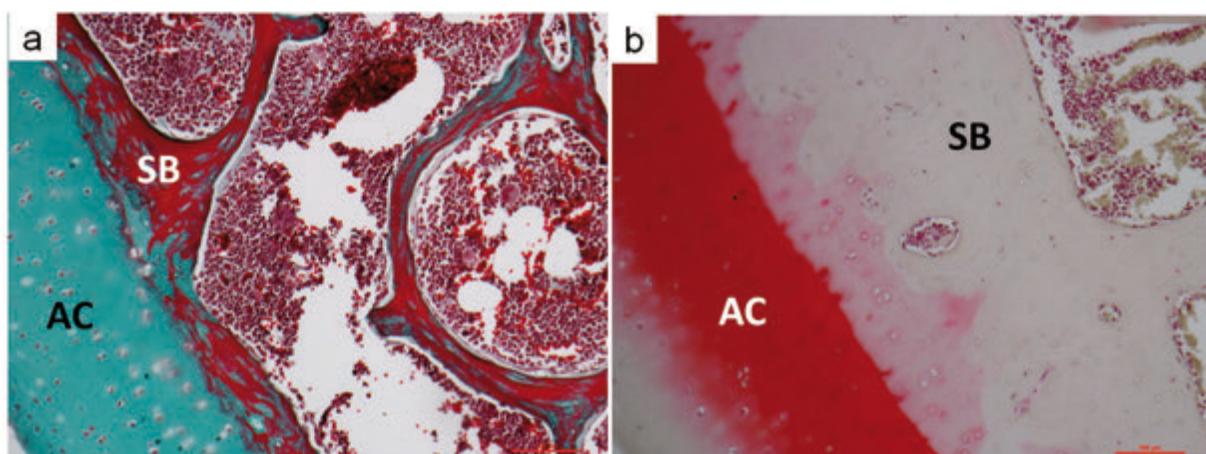
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Key words: Cartilage canals; secondary ossification center; collagens; newborn small-sized dog.

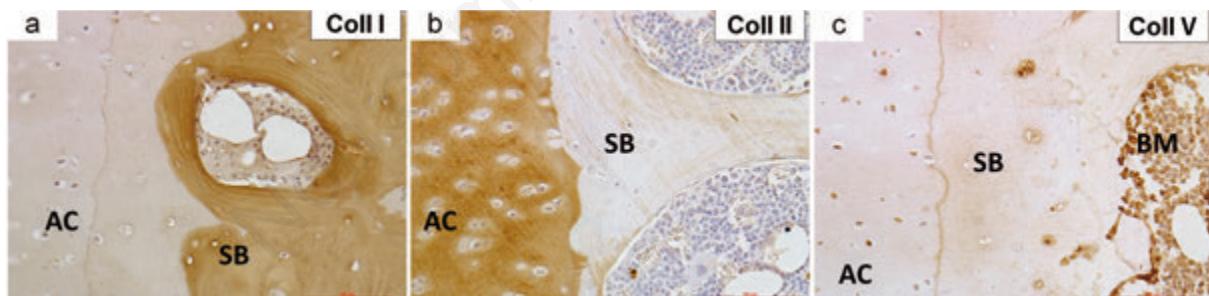
Supplementary Table 1. Breed, age and gender of the cadavers.

Breed	Age	Gender
Maltese	Premature	M
Maltese	Premature	F
Maltese	0 d	F
Chihuahua	0 d	M
Chihuahua	3 d	M
Maltese	3 d	F
Shi Tzu	7 d	M
Chihuahua	7 d	F
Maltese	10 d	F
Pinscher	10 d	F
Maltese	12 d	F
Chihuahua	13 d	F
Maltese	15 d	M
Maltese	15 d	M
Shi Tzu	21 d	F
Chihuahua	28 d	M

d, days.



Supplementary Figure 1. Masson's Trichrome (a) and Safranin-O staining (b) in the humerus of the adult dog. Subchondral bone reveals both light green and red staining: articular cartilage as green, while bone tissue as red (a); intense staining is evident in the deep layers of the articular cartilage, closed to the tight mark line (b). AC, articular cartilage; SB, subchondral bone. Scale bar: 100 μ m.



Supplementary Figure 2. Images of Collagen type I (a), II (b) and V (c) localization in the humerus of the adult dog. Immunopositivity for collagen type I is evident in the subchondral bone (a). Immunopositivity for collagen type II is evident in the articular cartilage (b). Immunopositivity for collagen V is evident in the bone marrow (c). AC, articular cartilage; SB, subchondral bone; BM, bone marrow. Scale bar: 100 μ m.