The first report of *Eucoleus dispar* (Nematoda: Capillariidae) in the common buzzard (*Buteo buteo*) in Turkey

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Abstract: A common buzzard (*Buteo buteo*) was brought to the Department of Anatomy, Kirikkale University Faculty of Veterinary Medicine, following its death from trauma. The tongue of the buzzard was processed for routine histology and stained with hematoxylin and eosin. A curled *Eucoleus dispar* and its eggs, embedded in the dorsal epithelium of the tongue, were observed in histological sections during morphological analysis of the papillae lingua in the buzzard under a light microscope. According to the authors’ knowledge, this is the first report on *E. dispar* in the buzzard in Turkey.

Key words: *Eucoleus dispar*, *Buteo buteo*, parasite, Nematoda
Figure 1. Curled adult parasite in the tissue section (A–D). k: keratin layer; e: epithelium; ct: connective tissue; E: entoglossum; Arrow: the eggs; Arrowhead: the adult parasite section; Bar: 100 µm, H&E.

Figure 2. *Eucoleus dispar* eggs with two protruding polar plugs located in the tissue section (A–D). Arrow: the eggs; e: epithelium; ct: connective tissue; Bar: 100 µm. H&E.
tongue during morphological analysis of the papillae lingua in the buzzard. Diphtheroid plaques on the surface of the tongue were not observed, but a cellular inflammatory response was noted around the curled parasite in the tissue sections.

In conclusion, *E. dispar* and its eggs were observed in the tongue sections of the buzzard histologically. According to the authors' knowledge, this is the first report on *E. dispar* in the buzzard in Turkey.

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**References**