

PECULARITIES OF THE LOCALISATION OF IMMUNOREACTIVE SUBSTANCE P IN THE DOG CORNEAL NERVE PLEXUS

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Summary. Substance P immunoreactive (SP-IR) nerve plexus is formed by nerve structures of different size in the cornea of a dog. It is possible to different thick nerve bundles in the plexus. Bundles of average thickness branch from thick nerve bundles and they form the plexus of nerve bundles in the intermediate stroma. Thin nerve bundles branch from thick and average ones and they found in surface and intermediate stroma. Terminals branch from the plexus and thin nerve bundles and they extend to the epithelium. According to our results the network of terminals is denser in the central part than in the pericentral part of the cornea. We think that the epithelium, is more sensitive in the centre than in the peripheral part. We noticed the nerve fibre density of dogs is lower in perilimbal vessels.

Keywords: Dog, cornea, innervation, substance P.