

UTERINE BLOOD VESSELS ANGIOPATHIES IN MARES

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Summary. Uterine blood vessels and blood flow stability have huge affect on mare's fertility. Alterations of the vessels walls, affected by higher age and parity, can influence uterus blood flow and oxygen saturation. The latter induce development of degenerative changes and higher number of abortions. The purpose of this research was to evaluate uterine blood vessels angiopathies. Pathological morphological examinations of mare's 17 extra- and 79 intra-uterine arteries were carried out during 2003-2007 year. In the major part of the samples (53 %) mild vascular lesions were estimated, 44 % of mares were sound and average lesions were found only in 2 cases (3 %). Angiitis was found jointly with chronic endometritis. Degenerative lesions in arteries were more common compared to arterioles or veins. Generally, average and severe angiopathies were most common together with severe endometrosis.

Key words: mares, uterine blood vessels, angiopathies.