

Characteristic on the Arterial Blood Supply of Dog Mammary Glands

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Knowing the location of the arterial blood vessels and their eventual deviations is indispensable in teaching normal morphology, carrying out surgical procedures and angiography of the dog mammary glands. The purpose of this study was arterial supplying of the mammary glands in female dog species to be examined. Three bitches with approximately 15 kg body weight in diestrus condition were used during investigation. By anatomical section and preparation of the main blood vessels and injection of hardening substances or a gypsum solution, the specific blood vessels pathways, branches and features were traced. Simultaneously in comparative aspect standard orthogonal projections by contrast radiography were performed. The circulatory trace of subclavian and external pudendal arteries and their branches which predominantly supplied the mammary complexes were established and visualized and their characteristics are described.

Key words: dog, arteries, mammary gland, blood supply, radiography.