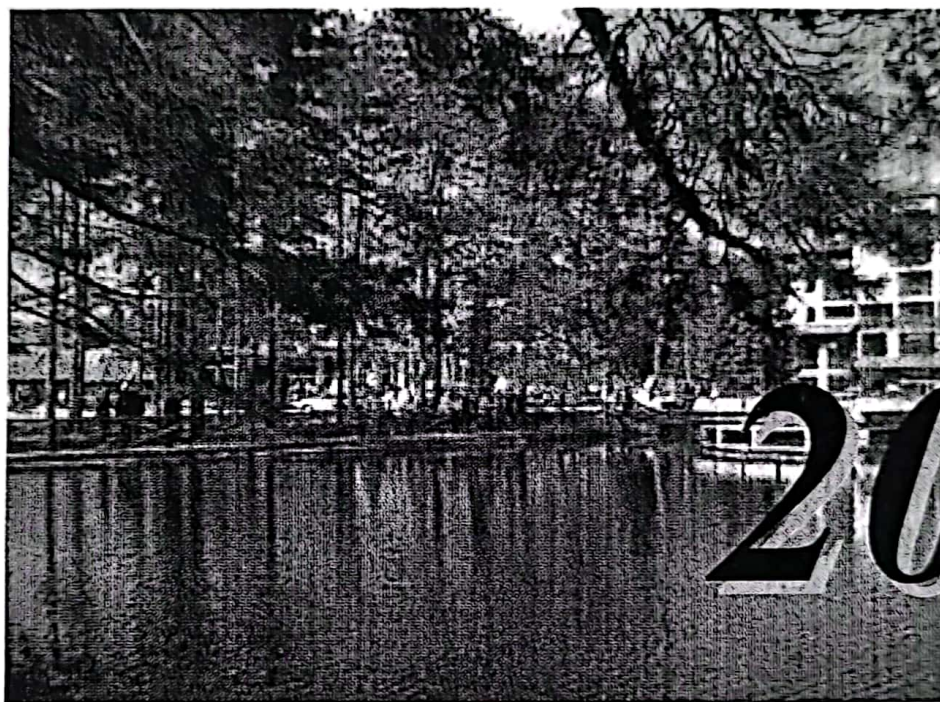




СРПСКО ВЕТЕРИНАРСКО ДРУШТВО
ФАКУЛТЕТ ВЕТЕРИНАРСКЕ МЕДИЦИНЕ

ЗБОРНИК

РАДОВА И КРАТКИХ САДРЖАЈА



САВЕТОВАЊЕ ВЕТЕРИНАРА СРБИЈЕ
(са међународним учешћем)

Златибор
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11. A. SACRALIS MEDIANA U SLEPOG KUČETA (SPALAX LEUCODON)

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U oblasti eksperimentalne humane i veterinarske medicine, kao i u drugim naučnim disciplinama, sve se više pridaje značaj laboratorijskim životinjama. Na njima se mogu pratiti funkcije određenih sistema i njihove farmakodinamske manifestacije, koje nastaju zavisno od vrste, puteva i načina unošenja pojedinih supstanci ili bioloških agenasa u organizam ovih životinja. Jedan od značajnih uslova za ovakva ispitivanja predstavlja potpuno poznavanje anatomske građe organizma ovih životinja. To je bio jedan od glavnih razloga, da obradimo deo kardiovaskularnog sistema slepog kučeta i na taj način damo prilog boljem poznavanju građe tela ove životinja.

Za ispitivanje upotrebljeno je 25 slepih kučića. Posle iskrvavljenja životinja, u krvne sudove su ubrizgane različite kontrastne mase, želatin obojen slikarskom temperom ili minijumom. Krvni sudovi su posle toga preparisani i slikani.

A. sacralis mediana je jedna od završnih grana aorte u sisara. Našim ispitivanjima ustanovili smo da je A. sacralis mediana neparan krvni sud koji predstavlja produžetak trbušne aorte, pošto se od nje odvoje dve Aa. iliacae communes. U nekim slučajevima A. sacralis mediana se odvaja od trbušne aorte pre njenog deljenja na dve Aa. iliacae communes.

A. sacralis mediana pruža se u kaudalnom pravcu, duž ventralnog zida krsne kosti, prema repu. Na svom putu od nje se odvajaju parne Aa. sacrales. U predelu repa A. sacralis mediana dobija naziv A. caudalis mediana koja šalje grančice u mišiće repa.

A. sacralis mediana u slepog kučeta, kao i tekunice, zamorca, kunića i malog zelenog majmuna, je završna grana trbušne aorte.

Ključne reči: slepo kuče, arterije, vaskularizacija

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11. A. SACRALIS MEDIANA IN THE MOLLE RAT (SPALAX LEUCODON)

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The experimental human and veterinary medicines, as well as other scientific disciplines, are turning more and more to laboratory animals. These are suitable for monitoring the functions of certain systems and their pharmacodynamic manifestations, which occur depending on the species, route and manner of administration of certain substances or biological agents in the organisms of those animals. One of the important prerequisites for such investigations is a thorough knowledge of the anatomic structure of the given organism of such animals. This was one of the main reasons why we undertook to investigate the cardio-vascular system of the molle rat contributing in that way to a better understanding of the body structure of this animal.

The investigation was performed on 25 molle rats. After bleeding out, various contrast agents were administered, such as gelatin stained with painting tempera or minium. After this the blood vessels were mounted and photographed.

The median sacral artery is a terminal branch of the aorta in mammals. In the present study was found the median sacral artery, as unpaired vessel, is the direct continuation of the aorta caudally after the common iliac arteries arise. In some cases it arises from the abdominal aorta before the common iliac arteries arise.

The median sacral artery passes caudally along the pelvic surface of the sacrum toward the tail. On its course it gives off paired sacral branches (Rami sacrales). The caudal gluteal artery is the continuation of the second, right sacral branch of the median sacral. In the region of the tail the median sacral takes a ventral position as the caudal median artery which sends branches to the muscles of the tail.

The median sacral artery in the molle rat simillary to the ground squirrel, guinea pig, rabbit and small green monkey is the terminal branch of the abdominal aorta.

Key words: molle rat, arteries, vascularisation