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Computed tomography of the abdomen of calves during the first 105 days of life: III. Urinary tract and adrenal glands

Braun, Ueli ; Schnetzler, C ; Augsburg, Heinz ; Bettschart-Wolfensberger, Regula ; Ohlerth, Stefanie

Abstract: Computed tomographic (CT) findings of the urinary tract and adrenal glands of five healthy male calves in the first 105 days of life were compared with corresponding cadaver slices. The structures seen on CT images were identified using the corresponding cadaver slices. CT produced exact images of the kidneys, urinary bladder, urethra and adrenal glands, but reliable images of the ureters were only obtained near the renal hilus. There was excellent agreement between the structures on the CT images and the tissue slices. The structure and vessels of the kidneys, the origin of the ureters, the location, size and content of the urinary bladder and the course of the urethra in the pelvis and penis were evident on images. The size and volume of the kidneys and the length and width of the adrenal glands increased significantly during the study, but the ureteral and urethral diameters changed little.

DOI: https://doi.org/10.1024/0036-7281/a_000583

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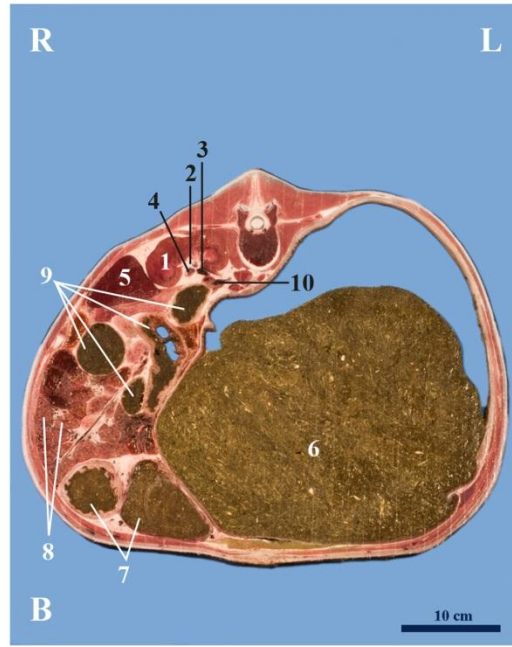
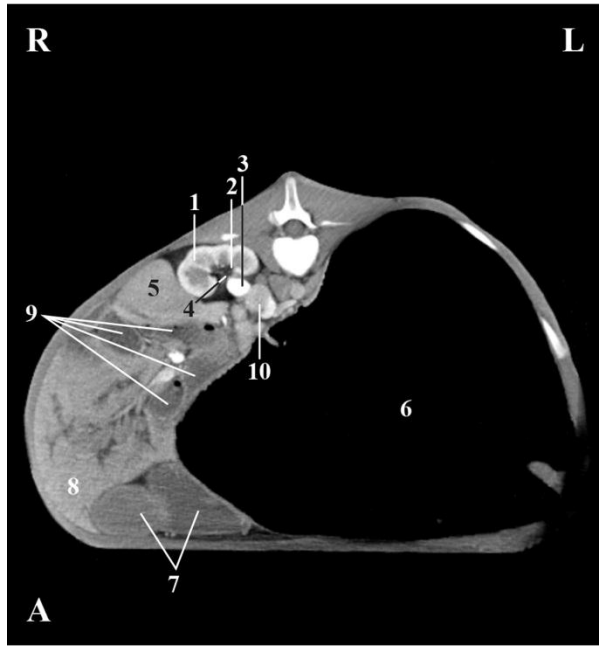
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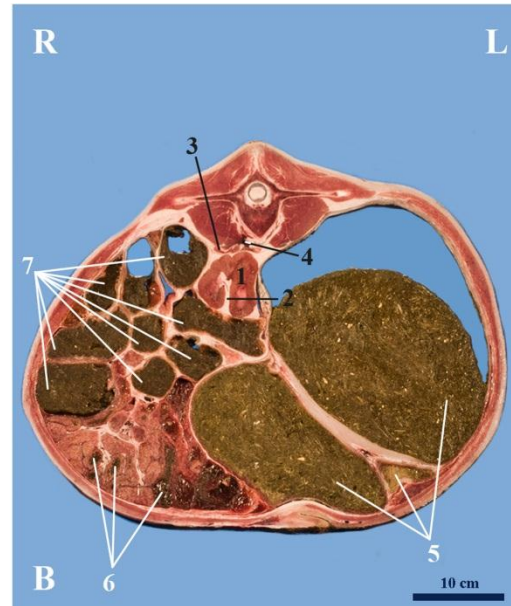
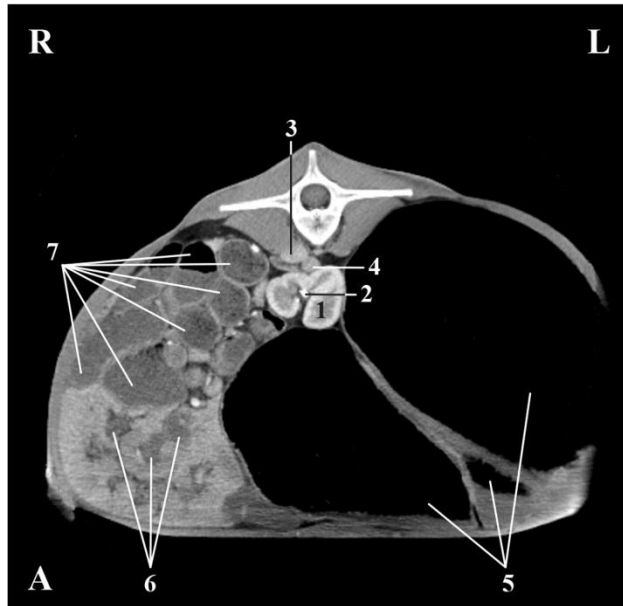
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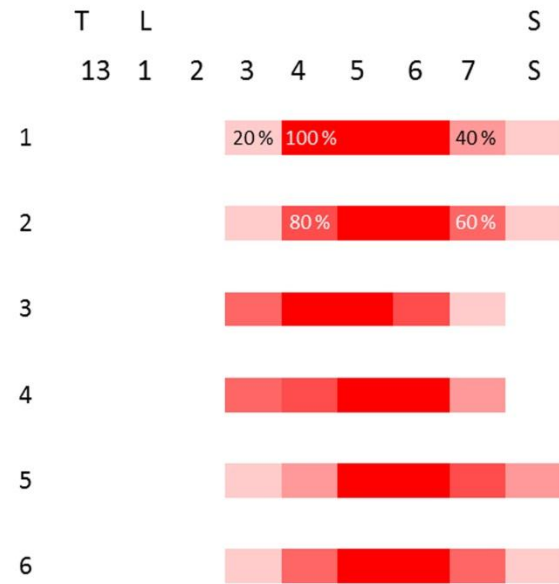
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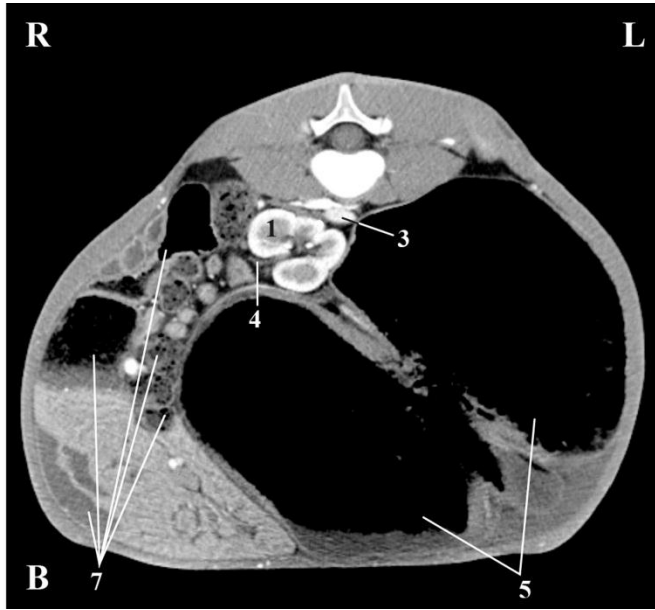
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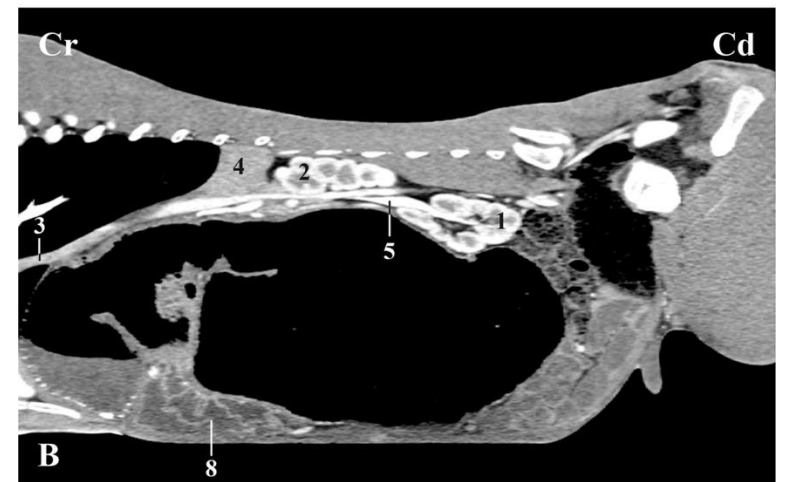
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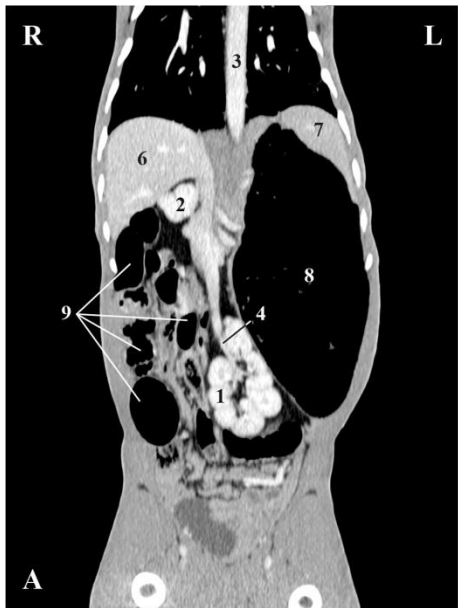
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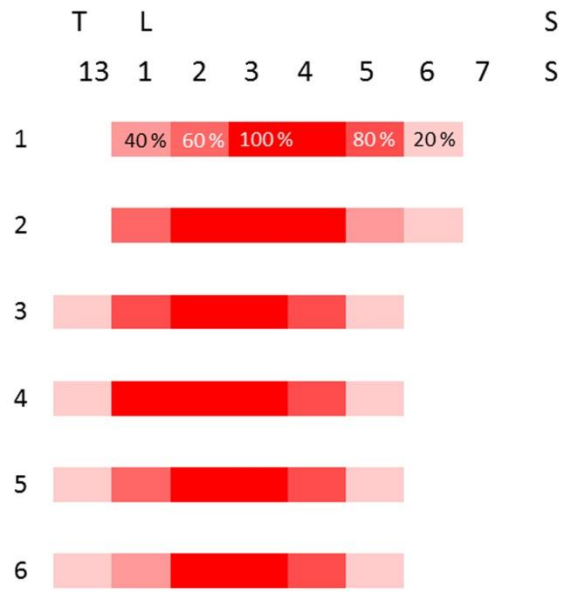
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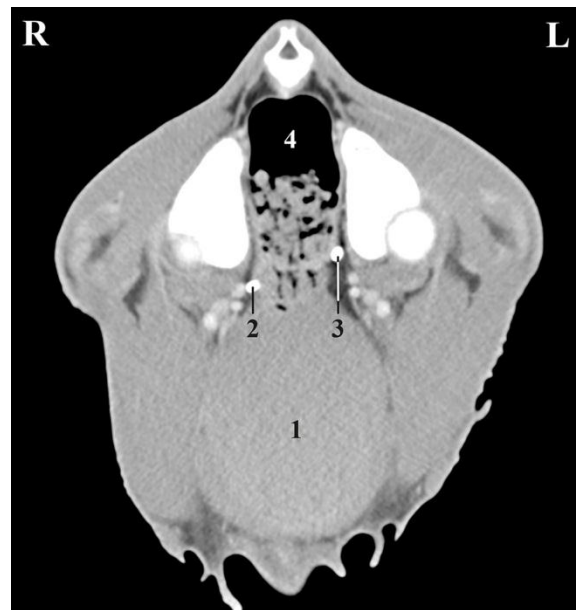
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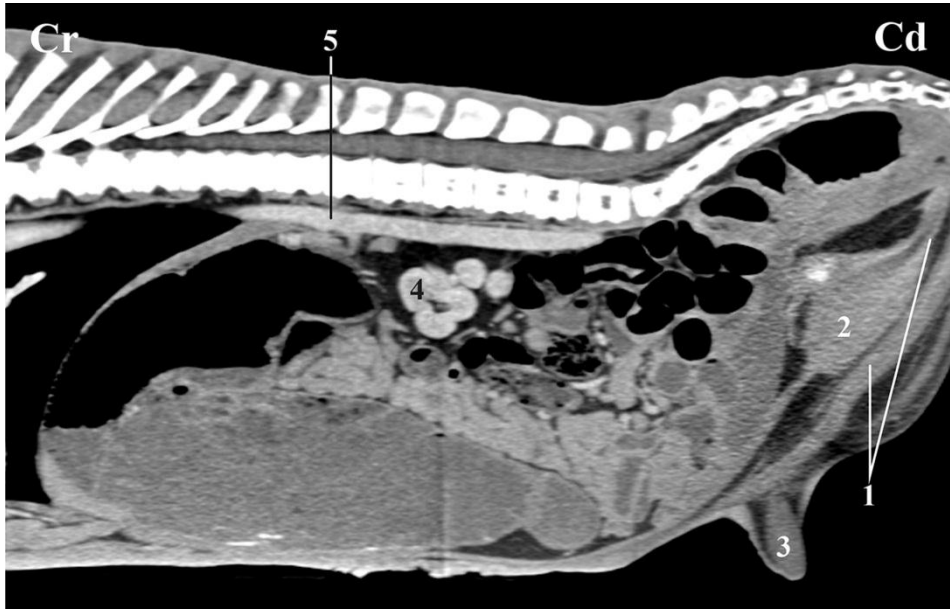
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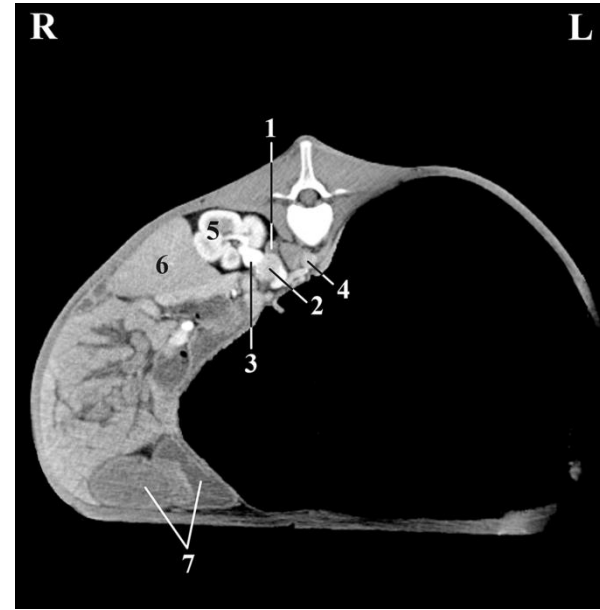
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15