

Ultrasound Study of the Pelvic Organs of the Female Rabbit during the Period of Octress

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Abstract: Pelvic syncraphy is the imaging modality of choice for evaluating the animal pelvis. Does not use ionizing radiation (which can cause cancer and birth defects in the fetus). How the images are taken, the direction of the image, and how the sound waves move are checked. We examine the view of the anatomy of the divided uterus and ovary.

Keywords: Ultrasound, doppler, embryo, placenta, ovary.

INTRODUCTION. Ultrasound transfers sound waves through the body. Sound waves are reflected differently by different tissues, and the signal is converted into a visible image by the transfer. Sound waves travel through soft tissue or fluid. These types of structures are used as scans of us.

Noxious stimulation of rabbit muscles in the form of tetanizing electric currents is consistent with pelvic floor dysfunction, according to a number of investigators.

results in the following animal phenotype. As a result, a long-term dysfunctional state was observed in most animals, characterized by an increase in bladder capacity, an increase in the interval between contractions, and a prolonged duration of contraction. Future studies are needed to further characterize the long-term effects of pelvic floor dysfunction after noxious electrical stimulation [1].

In this retrospective study, the gap area under Valsalva was associated with prolapse recurrence with an average of 2.5 years after TVM surgery. Ultrasound can help clinicians target patients at high risk for prolapse recurrence. Clinicians should pay more attention to patients with enlarged hiatus area and take active measures to improve the prognosis of these patients [2].

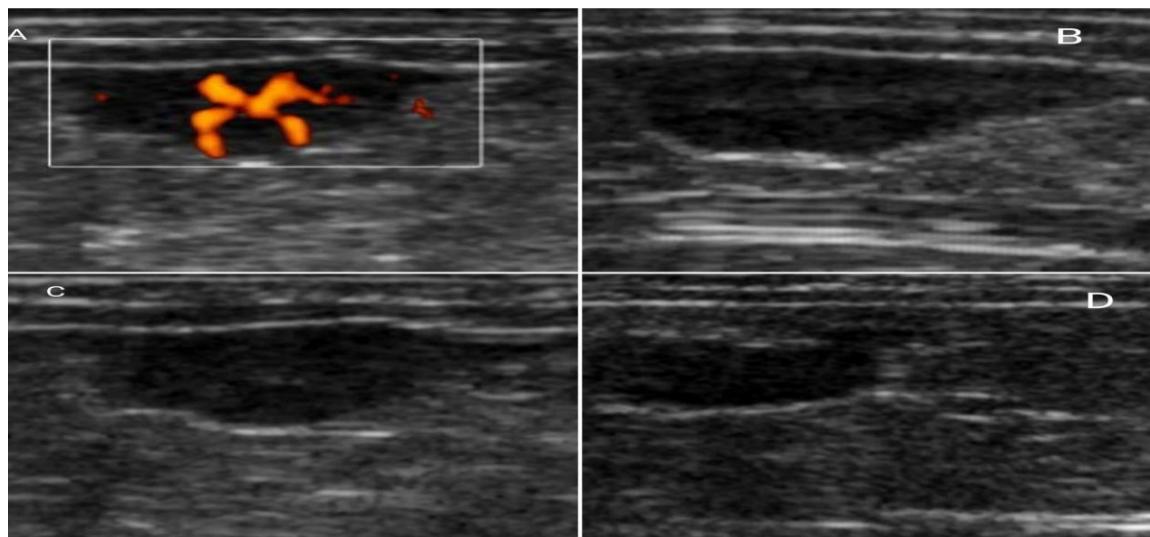


Fig. 1. Rabbit's left ovary.A).with color doppler connection (corpus luteum).B). left ovary with corpus luteum on day 3 of pregnancy (arrow C). left ovary 2 corpora lutea on the 3rd day of pregnancy).D).Left ovary of a rabbit before the onset of pregnancy.

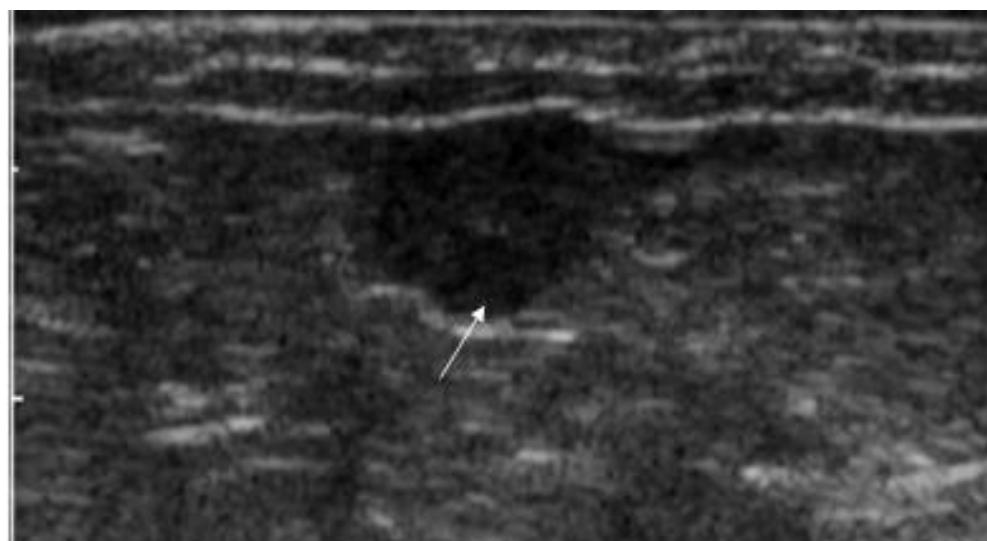


Fig. 1.1. Left ovary before the onset of pregnancy



Fig. 1.2. On the 3rd day of pregnancy, 2 yellow bodies (arrow)

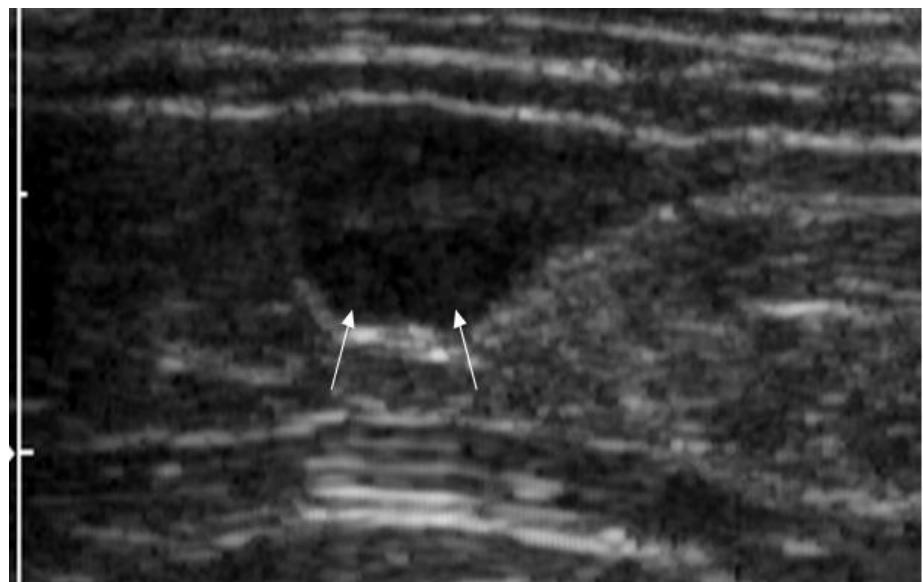


Fig. 1.3. Left ovary of a rabbit on day 3 of pregnancy with a yellow body (arrow)

It consists of a traditional transabdominal approach (TAS) combined with transvaginal sonography (TVS). Common Uses of Doppler Sonography (Figure 2) Transabdominal sonography uses the distended bladder as a window into the pelvic structures for a wide view..

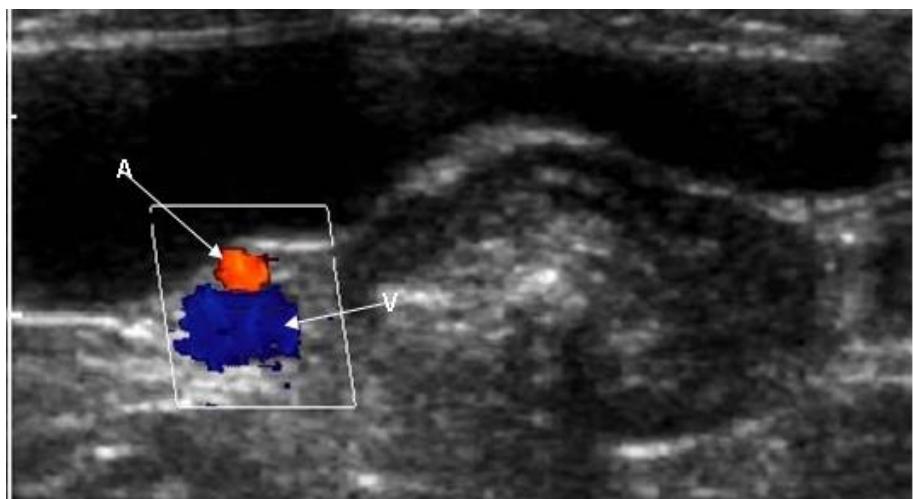


Fig. 2. Color Doppler imaging. A. and V. the uterus is clearly visible and easy to distinguish between them.

On the sagittal view, the uterus has a "teardrop" appearance.

Transvaginal sonography evaluates the pelvic structure in more detail using high-frequency transducers that are closer to the pelvic structures. Convention: the animal's head is on the left side of the screen. Transverse, usually axial to the body. Convention: the right side of the animal is shown on the left side of the screen.

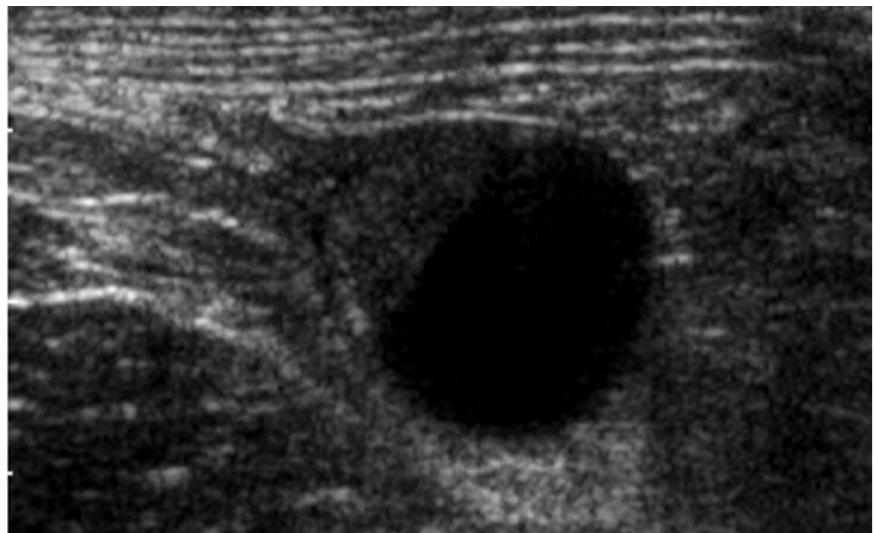


Fig. 4. The embryo (arrow) is visible for the first time. (day 9).

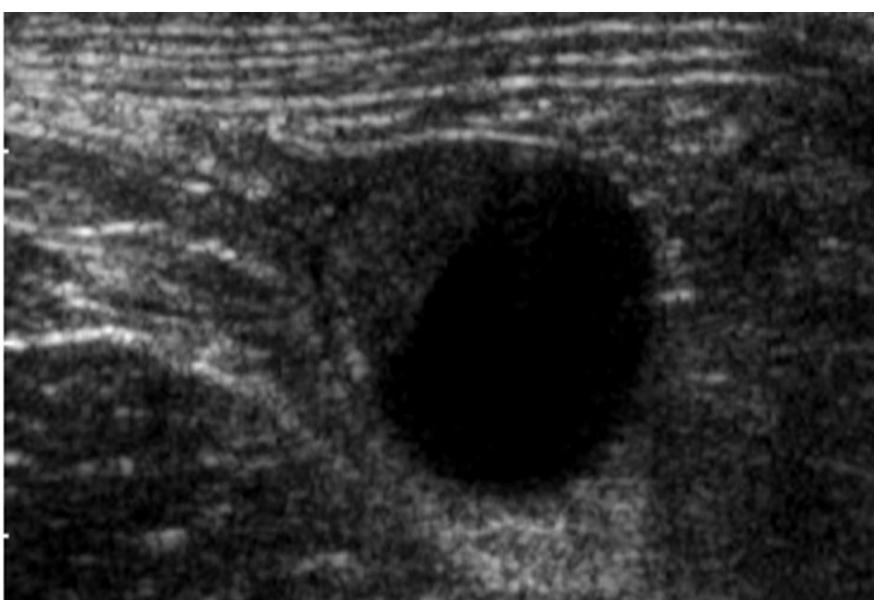


Fig. 5.). The placenta (arrow) is clearly visible. (Day 7).

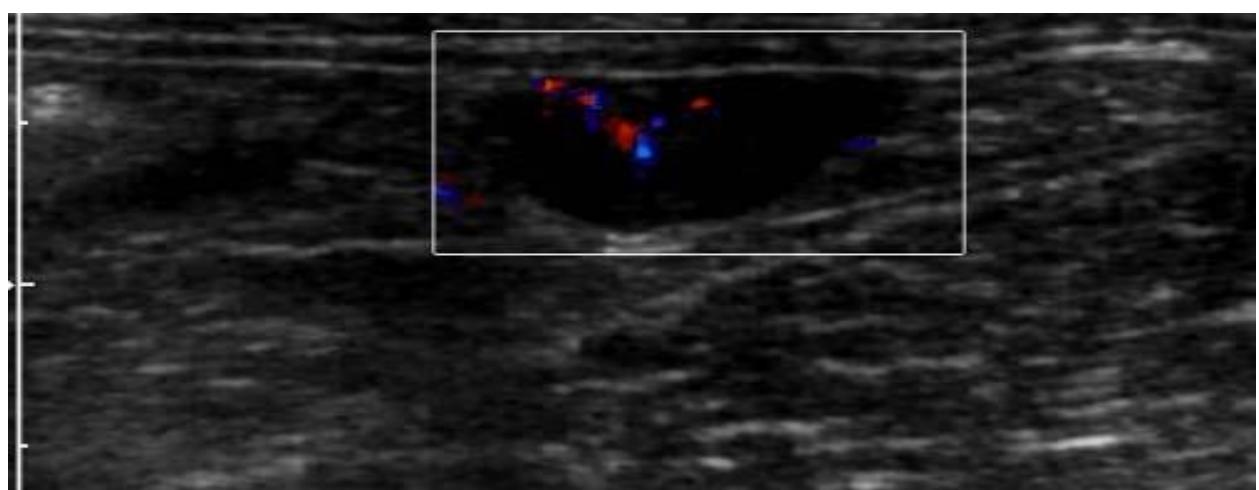


Fig. 6. then on the 5th day the first clear evidence of pregnancy

Physiological and pathological processes in reproductive organs are controlled by hormones.

The best way to determine whether an animal has strangulation is to assess the heart rate and crown length to determine whether it is positive or negative. Measurements used for dating:

determined by biparietal diameter (BPD), head circumference (HC), abdominal circumference (AC) and femur length (FL). During each scan, the first sonographer (Observer 1) obtained BPD_{oo} and BPD_{oi} measurements at the exact time on the first of the BPD duplicate images. Ultrasound images are still stored and measurements are recorded.

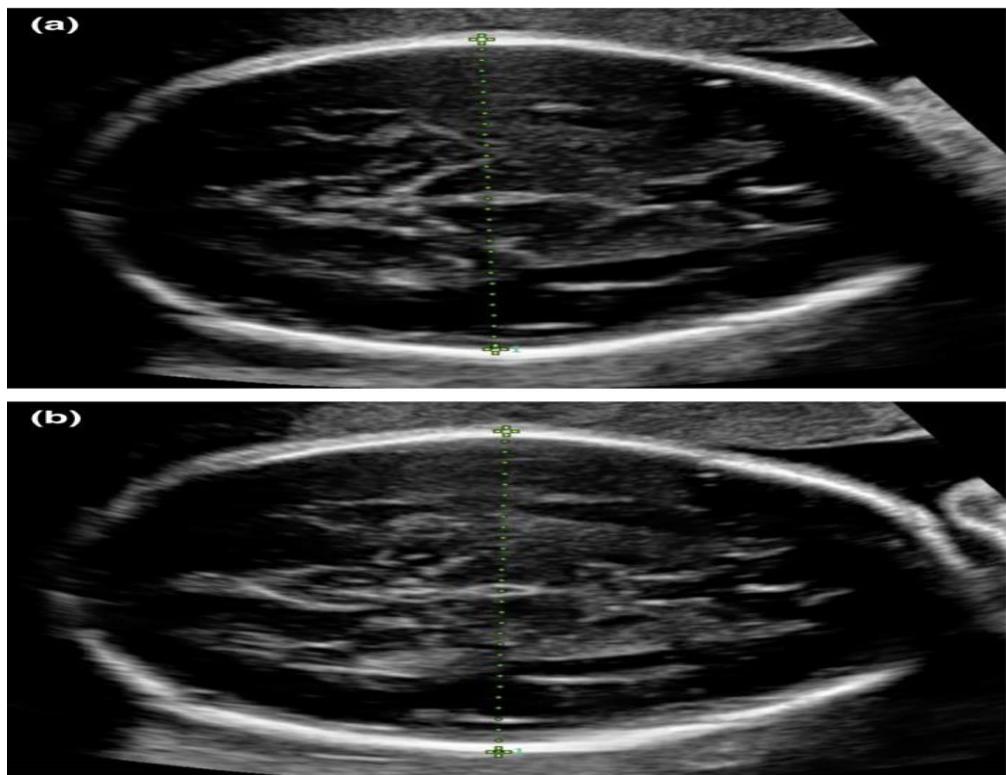


Fig. 6.1. BPD is measured from the outside to the inside. (a) Ultrasound image of fetal biparietal diameter measured using an external caliper (BPD oi) in the transthalamic plane. (b) Ultrasound image of biparietal diameter (BPD oo) measured using an external caliper.

The flow to the transducer is shown in red and blue. Doppler sample volume (oblique arrow) shows sampling location for pulsed Doppler interrogation. Right panel shows spectral Doppler of umbilical artery flow. As the current flows towards the transducer, it is described as follows (Fig. 7).

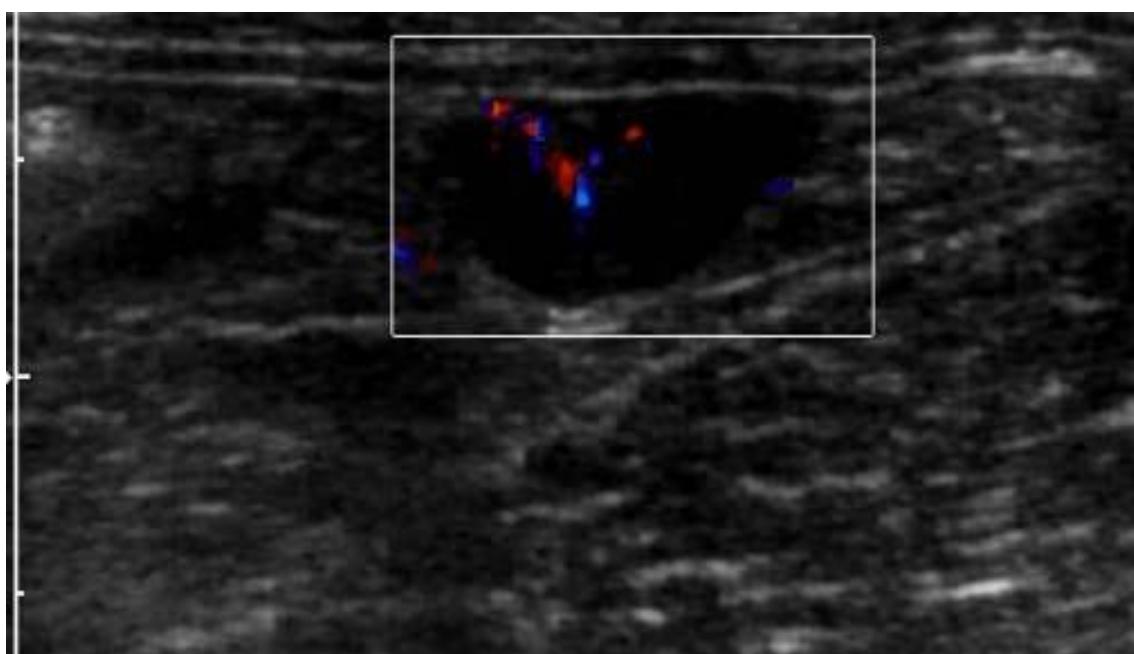


Fig. 7 On postpartum day 5, severe ovarian hyperemia subsided in Can 01.

Conclusion. We examined the uterus, ovary and other (we considered the normal anatomy of the uterus and ovary) organs in the pelvic organs of the estrous female rabbit by ultrasound, which does not use ionizing radiation, through soft tissues or fluid. uses sound waves that travel best. can be done transabdominally or transvaginally. Traditional methods are used to obtain images.

We looked at the normal appearance of pregnancy in the first and second trimester. Measurements (BPD, HC, AC, FL) are used to determine the animal's obesity.

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