

Pregnancy diagnosis in goats by ultrasonography (USG)

Due to limitation of structural anatomy of genital organs to examine uterus and ovaries per rectum, there was a need to develop alternative method for routine pregnancy diagnosis in small ruminants. Electronic abdominal sector probe or even rectal linear probe may be used to scan the fetuses in goats. The image of fetus in uterine horn was appeared as white (echoic) image encircled by anechoic (black) fetal fluid on the screen. No such image was visualized in non-gravid uterine horn. In case of non-pregnancy, the uterine horn appeared in the form of homogenous white granular echo. The diagnosis of pregnancy using ultrasonographic imaging technique is safe, quick and effective method in small ruminants, particularly in goats.



Plate 3. Ultrasonographic images of goat fetus

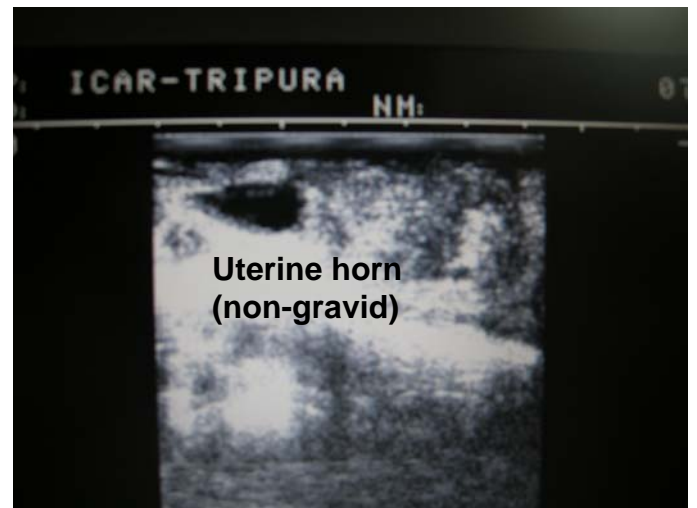


Plate 4. Ultrasonographic images of non-gravid uterine horn in goat