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LIST OF ABBREVIATION

Abbreviations	Elaboration
GnRH	Gonadotropin releasing hormone
PGF ₂ α	Prostaglandin (Dinoprost)
PMSG	Pregnant mare's serum gonadotropin
FSH	Follicle-stimulating hormone
LH	Luteinizing hormone
EDD	Expected date of delivery

Ultrasonography guided reproductive management to improve fertility in goat in Chittagong

ABSTRACT

The present study was conducted to detect the pregnancy of goat by transabdominal ultrasonography and improve the fertility. For diagnosing pregnancy and fetal body condition ultrasonographic screening is an important tool. A total 100 goats were selected from SAQTVH, CVASU and Chittagong Metropolitan area with the history of early pregnant or natural service has been done, previously delivered the fetus and pubertal goats. Ultrasonographic examination was performed for all the pregnant does. Ultrasonographic scanning shown that 35 goats were pregnant. The other 65 non-pregnant goats were divided into synchronized and control group. GnRH and PGF2 α hormones were used for synchronizing the does. The conception rate between synchronized and control group were found 48.57% and 26.67%. In early pregnancy (< 60 days) the accuracy of pregnancy diagnosis was assessed 57.14% and in late pregnancy (> 60days) the accuracy of pregnancy diagnosis was 100%. The expected date of delivery measured for 11 goats and it was 81.81% accurate. The percentage of abortion, uterine infection, still birth and hydrometra was calculated 8.62%, 8.62%, 5.17% and 1.72%.

Keywords: Goat, Ultrasonographic screening, Pregnancy