

EVALUATION OF ANDROLOGICAL STATUS AND SEMEN MORPHOLOGY IN A. I. BULLS

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Summary. Clinical andrological examination was carried out on 37 four-six year old bulls at three A. I stations. Morphological evaluation of semen samples was performed after the determination of sperm concentration and a progressive had been carried out. Various changes in of reproductive organs, such as disfunction of caput epididymis, sperm granuloma, changes in the firmness of testicle and seminal vesicle glands were found in 27 % of the bulls investigated. According to the results obtained the bulls were assigned to two groups - group 1 - healthy and group 2 - having various disorders.

Sperm concentration was 6,5 % and motility - 1,5 % higher in group 1 compared with those for group 2 ($p < 0,05$). The percentage of morphologically abnormal spermatozoa on the average was 5,5 and 28,5 % in group 1 and group 2 respectively. Our investigation revealed semen samples to be of unequal quality. Therefore we suggest routine clinical andrological examination of bulls and regular morphological evaluation of their semen samples in order to have a better view of the health of bulls employed in semen production.

Keywords: Bulls, Semen quality assessment.