



Male Animal Fertility

Puberty and Sexual Maturity in Male Animal

Summary

Puberty in male animals is defined as the period when accessory organs and secondary sexual characters develop under the influence of the testes and the animal first becomes fertile. Development of Puberty in males is characterized by first appearance of spermatozoa in an ejaculate. The testosterone values of the bulls increased with age from 5-6 months. Prolactin levels in the bulls increased at the time of the first testosterone rise. A frequency of about 1-2 LH and FSH pulses/8 h occurred at 1, 2, 5 and 10 months of age. Increased pulse frequencies of GnRH, LH and FSH precede puberty. Stimulation of sensory apparatus through CNS by hearing, seeing, smelling of opposite sex, causes early puberty. If there is a lack of these stimulation leads to delay the onset of puberty. If the male and female are kept together, they mature earlier.

Any diseases which cause emaciation of individual, delay the onset of puberty and sexual maturity ex... FMD, john diseases, TB, mange. Chronic diseases indirectly due to elevation of body temperature, disturbances of basal metabolism, thermal stress, anorexia, indigestion, stunted growth, emaciation, debility, weakness and endocrinological dysfunction affects the onset of puberty.