A histological and a histochemical study on the cervix uteri of the buffalo cow during the estrus cycle

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Abstract:

1. The histological and the histochemical characteristics of the buffalo cervix during the estrus cycle were studied on 52 specimens collected at the different phases of the cycle. 2. The surface epithelium is of the simple columnar type and reaches its maximum height (25–36 μ) at estrus. 3. The cervical glands are of the branched tubular variety and are restricted to the lateral wall of the cranial part of the cervix. 4. The acid mucopolysaccharide material within both the surface and the glandular epithelium reaches its maximum amount at estrus. 5. The basophilic substances reach their maximum at diestrus. 6. The lipid content of both the surface and glandular epithelium is negligible at estrus but sudanophilic granules appear at diestrus.

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