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# Comparative studies on biochemical and cytological constituents of synovial fluids in some farm animals

Mahmoud R. Abd Ellah, Magda M. Ali and M. A. Semieka

## Abstract:

The goal of the present study was to evaluate the difference in the synovial fluid constituents in cattle, buffaloes, camels, and donkeys. A total number of 20 clinically healthy adult male animals (cattle (N=5), buffaloes (N=5), camels (N=5), and donkeys (N=5) were subjected to study. Synovial fluid samples were collected from the metacarpophalangeal joint under complete aseptic conditions. The samples were examined physically, cytologically, and biochemically. Synovial fluid analysis revealed significant variations in specific gravity, total leukocyte counts, total proteins, albumin, globulins, glucose levels, and alkaline phosphatase activity among investigated animal species.

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