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Cytomorphological studies on granulocytes of pig

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Abstract : The neutrophils were round in shape and 12.00 ± 0.44 mm in size. The nucleus possessed lobes with variable size, shape and number. The pale gray cytoplasm of neutrophils was laden with light pinkish fine granules which were uniformly distributed. The eosinophils were round in shape and were 12.25 ± 0.28 mm in size. The nuclei had 2-4 lobes and connected with thick chromatin strands. The cytoplasmic granules were round, numerous, densely packed, strongly eosinophilic and uniformly distributed throughout the cytoplasm. The basophils were roughly round in shape and 13.25 ± 0.24 mm in size. The nuclei had 2-3 lobes which were connected with comparatively thicker chromatin strand. The cytoplasm had numerous basophilic granules occupying whole of the cytoplasm. The erythrocytes of pig were non nucleated, biconcave shaped and 5.7 ± 0.17 mm in size. The platelets were irregular in shape and 2.76 ± 0.33 mm in size.

Key words : Cytological, Neutrophils, Eosinophils, Basophils

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