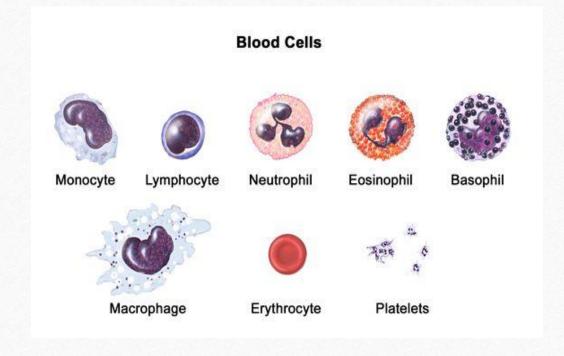
Cell Morphology

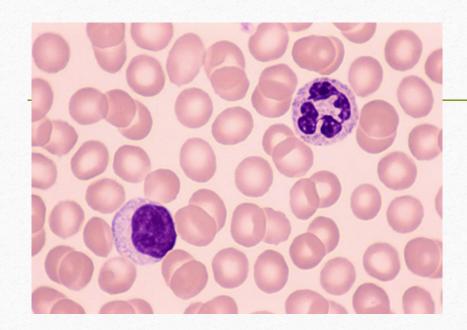
Sirikwan Dokuta

Medical Technologist

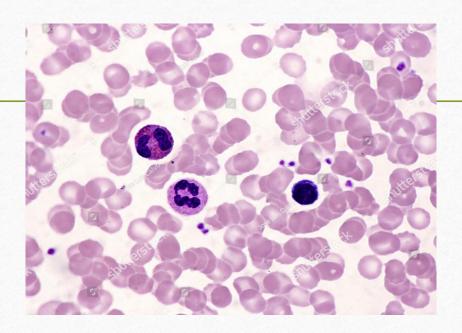
18 Sep 2024

Normal Cell Morphology





Lymphocyte, Neutrophil, Normal RBC



Neutrophil, Eosinophil, Basophil, Platelet

Abnormal Cell Morphology

R	RED CELL TYPE		Changes associated with
		Normal	Normal
,	#	Acanthocytes (spur cells)	Hepatic Lipidosis, Hemangiosarcoma
	ø	Echinocyte (crenation, burr cells)	Sample Artifact, Renal Disease, Lymphosarcoma
		Spherocyte	Lack Central Pallor, Hemolytic Anemia, Transfusion Mismatch
<	3	Keratocyte (helmet cells, blister cells)	Hemangiosarcoma, Neoplasia, Glomerulonephritis, Liver Disease
	•	Schistocyte	DIC, Hemangiosarcoma, Iron Deficiency

Abnormal Cell Morphology

RED CELI	_TYPE	Changes associated with
	Basophilic Stippling	Residual RNA, Response to Anemia, Lead Poisoning
0	Howell-Jolly Bodies	Nuclear Remnants, Response to Anemia
6	Heinz Bodies	Denatured Hemoglobin, Lymphoscarcoma, Hyperthyroidism, Diabetes Mellitus and even Normal in Cats
	Macrocyte	Young Erythrocytes, Associated with Regenerative Anemia
	Nucleated Erythrocytes	Response to Anemia
	Codocyte (target cells)	Liver Disease, Hypothyroidism

Abnormal Cell Morphology

