Leukogram

This is a **differential blood count**. With the leukogram, we examine the blood count of white blood cells, i.e. percentage representation of white blood cell types (neutrophil rods, neutrophil segment, eosinophilic leukocyte, basophilic leukocyte, lymphocyte and monocyte).

Procedure

The blood smear is viewed **meandering**. The types of leukocytes found are gradually recorded in a 10-column table. A total of 10 structures are always recorded in one column. Then we move in the field of view and again look for leukocytes and continue writing in the next column. A total of 100 leukocytes are counted. Finally, we are able to read **the percentage representation of individual types of white blood cells from the table**.

Example of a leukogram table:

Cell	1	2	3	4	5	6	7	8	9	10	total (%)
Neutrophil rod	/				/						2
Neutrophil segment	/////	/////	`//////`	`//////`	`//////`	`//////`	`//////`	`///////`	`//////`	`///////`	60
Eosinophilic leukocyte				/					/		2
Basophilic leukocyte		/									1
Lymphocyte	////	///	////	///	//	///	////	//	///	//	30
Monocyte		/			/	/		/	/		5
	10	10	10	10	10	10	10	10	10	10	100

Links

Related articles

- Leukocyte
- Blood count

Sources

LÜLLMANN-RAUCH, Renate. *Histologie.* 1. edition. Grada Publishing a.s., 2012. pp. 556. ISBN 9788024737294.

JUNQUEIRA, L. – KELLEY, Robert – CARNEIRO, José. *Základy histologie.* 7. edition. H+H, 1997. pp. 502. ISBN 9788085787375.