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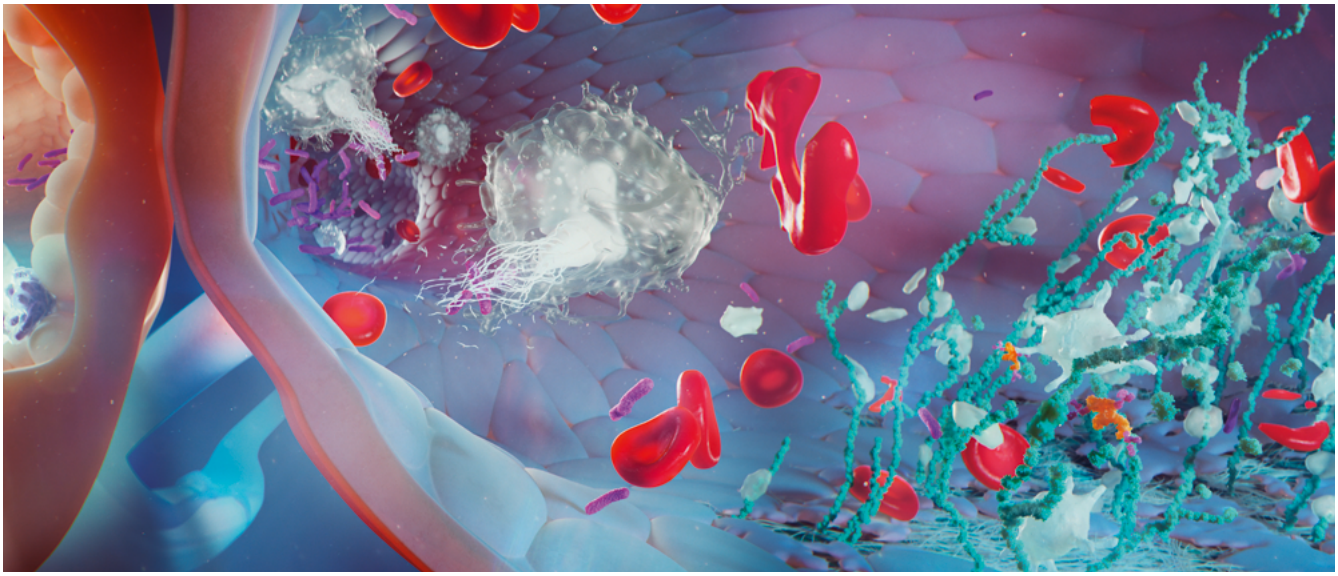
Insights about a patient's immune response from a complete blood count



A blood count is part of almost every medical check-up and, as such, one of the most frequently ordered laboratory tests. With regards to infection diagnostics, the WBC count and differential accompanied by morphology information from a microscopy are a traditional source of early information about a patient's condition.

Advances in blood count technology bring new parameters and allow deeper insights into the blood cells than the cell counts only. Sysmex's XN-Series analysers offer a set of parameters (Extended Inflammation Parameters) that makes it possible to quantitatively assess immature granulocytes (IG) and the activation status of neutrophils (NEUT-RI, NEUT-GI) and lymphocytes (RE-LYMP, AS-LYMP). They are readily available from a routine complete blood count with differential.

Several research studies show how Extended Inflammation Parameters (EIP) can support infection diagnostics by measuring WBC immune cell activation from a CBC + DIFF.

List of references

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