Key words

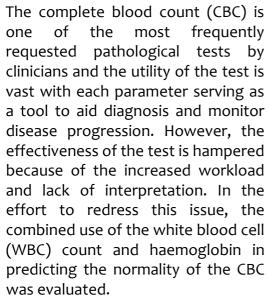
Haemoglobin WBC count CBC Screen Morphology

Lewis, S. M., et al., The use of the white blood cell count and haemoglobin in combination as an effective screen to predict normality of the full blood count, Int. Jnl. Lab. Hem., 2011. doi: 10.1111/j.1751-553X.2011.01365.x

Summary of publication

The use of the white blood cell count and haemoglobin in combination as an effective screen to predict normality of the full blood count

S. M. Lewis, et. al (2011)



CBC data were collected from 2,191 patients and classified into two groups depending on whether the WBC and the haemoglobin were within the reference range. Blood



films were examined on the abnormal CBC samples in each group and graded on morphology.

The CBC was normal in 89.6 % of cases in the presence of a normal WBC and haemoglobin with subtle abnormalities (< 1+ grading) in the remainder. However, when the WBC and/or haemoglobin was abnormal, the corresponding blood films were grossly abnormal; 2+/3+ grading in 96 % of cases.

Conclusion:

In the presence of normal WBC and haemoglobin, the CBC is normal in almost all cases and measuring these two parameters could be used as an effective screen to predict CBC normality.

The HemoCue® WBC system

The HemoCue WBC system is a point-of-care system that provides a WBC count within three minutes and can be used on either capillary or venous blood samples. The HemoCue WBC system only requires 10 µL (1 drop) of whole blood.

combined with the HemoCue® Hb system this system provides the possibility to efficiently screen patients and predict CBC normality.

With HemoCue® products you always get:

Lab accurate results

Easy to use

No calibration or instrument adjustment needed

