



Title	Hemoglobinometer
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Reference	Technology Review Report, 015/07, 2007. http://medicaldev.moh.gov.my/uploads/haemoglobinometer.pdf

Aim

To determine the effectiveness of the hemoglobinometer as a screening tool in the community.

Conclusions and results

Most papers compared the effectiveness of the hemoglobinometer against standard laboratory equipment. Hemoglobin (Hb) levels were compared in different settings for blood sampling and in different clinical disciplines.

The hemoglobinometer, particularly HemoCue, is a good alternative to determine Hb levels. It has been proven as a reliable and accurate method in hospital-based settings. However, screening accuracy dropped when used in settings such as primary care. Whenever feasible, the device can reduce unnecessary routine use of more sophisticated Hb analyzers.

Recommendations

The hemoglobinometer is favored for use in primary care and community-based programs where on-site blood sampling can be easily performed. However, to achieve accurate results regarding the Hb level, staff members require training in using the device.

Methods

A literature search of electronic databases included PubMed, Ovid, Science Direct, etc. The search strategy used the terms, either alone or in various combinations: "hemoglobinometer", "hemochromometer", "screening anaemia". No limitations were placed on the search.

Further research/reviews required

Not applicable.