

IDPAS # 1253



Results of your search: **hemoglobin screening for normal newborns.ti.**

Citation displayed: 1 of 1

Go to Record:

[Citation Manager](#) • [Help](#) • [Logoff](#)

**Citation 1.**

*Link to...* [Complete Reference](#) • [Library Catalog Holdings](#)

**Unique Identifier**

7965223

**Medline Identifier**

95054549

**Authors**

Herzog B. Felton B.

**Institution**

John Muir Medical Center, Walnut Creek, California 94598.

**Title**

**Hemoglobin screening for normal newborns.**

**Source**

Journal of Perinatology. 14(4):285-9, 1994 Jul-Aug.

**Local Messages**

Not owned by Tufts Libraries

**Abstract**

The spun hematocrit is a common **screening** test performed on **normal** newborn infants to determine anemia, and more commonly, polycythemia. Recently, the **hemoglobin** value obtained from the HemoCue system (HemoCue Inc.; Mission Viejo, Calif.) has gained popularity in the adult and outpatient pediatric population to screen blood **for** anemia. Although the machine is not in widespread use in hospitals, it is being used in blood banks and physician offices. The main advantage of using the HemoCue system versus a spun hematocrit is that specimen collection is safer. Universal precautions are used with all infants; however, a cut from a broken capillary tube places the health care worker at an increased risk of exposure to blood-borne pathogens. The HemoCue system is also a more rapid test that requires less blood. In addition, the machine is silent. This study was conducted to determine whether a **hemoglobin** values obtained with the HemoCue system could replace the spun hematocrit to screen **for** anemia and polycythemia in **normal** newborn infants. Fifty-four specimens were obtained from healthy, term newborn infants. The hematocrit and **hemoglobin** specimens drawn in the nursery and processed in the laboratory were compared. The **hemoglobin** was consistently one third the value of the hematocrit. There was a significant and systematic difference between the values obtained with the HemoCue in the nursery and the laboratory hematology analyzer. The HemoCue readings were slightly lower in all cases. (ABSTRACT TRUNCATED AT 250 WORDS)



**Citation Manager:** Display, Print, Save, or Email Citations