

IN A NUTSHELL

The knowledge platform for general practitioners

Iron deficit according Ganzoni's equation

The equation named after the Swiss physician calculates the amount of necessary iron to adequately substitute the iron deficit in anemia.

The WHO recommends gender-specific hemoglobin target values for women (120 g/l) and men (130 g/l). In addition, iron deficiency can be divided into the following stages: storage iron deficiency (stage I), iron-deficient erythropoiesis (stage II) with e. g. hypochromic erythrocytes with normal hemoglobin and iron-deficiency anemia (stage III). Generally, there is an indication for iron substitution from stage II, but pregnancy or comorbidities such as renal insufficiency requiring dialysis must also be considered.

Current Hemoglobin

g/l ?

Target Hemoglobin

g/l ?

Body weight

kg ?

Iron deficit according Ganzoni's equation: mg

References

1. Ganzoni AM. Eisen-Dextran intravenös: therapeutische und experimentelle Möglichkeiten. [Intravenous iron-dextran: therapeutic and experimental possibilities] Schweiz Med Wochenschr. 1970;100(7):301-303.
2. Specialist societies DGHO, OeGHO, SGH, SSMO. Eisenmangel und Eisenmangelanämie [Iron deficiency and iron deficiency anemia]. Onkopedia. Accessed October 23, 2022. <https://www.onkopedia.com/de/onkopedia/guidelines/eisenmangel-und-eisenmangelanaemie>.

