


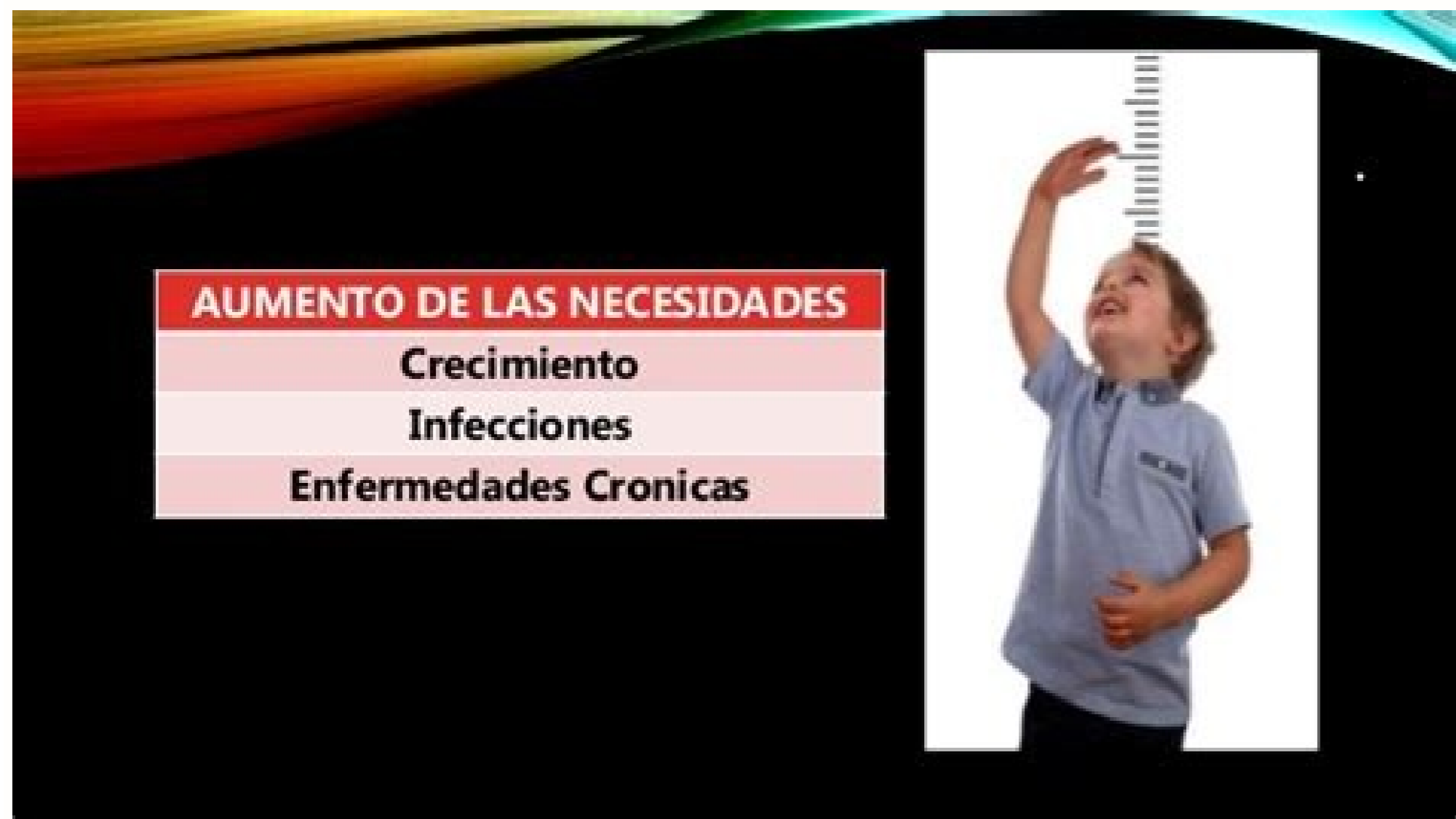
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**Open**

# ANEMIA MICROCÍTICA

## INDICES ERITROCITARIOS

- Volumen Corpuscular Medio(VCM)**  
 Es la media del volumen de los glóbulos rojos, es decir, la relación entre el hematocrito y el recuento de glóbulos rojos. Indican si los hematíes están sobredimensionados o lo contrario.  
 Valor de ref. 82 – 98 fl
- Hemoglobina Corpuscular Media(HCM)**  
 Es el contenido medio de hemoglobina en los glóbulos rojos, expresa el promedio de peso de la hemoglobina en los glóbulos rojos  
 Valor de Ref. 27 - 31 pg/eritrocito
- Concentración de Hemoglobina Corpuscular Media (CHCM)**  
 Se define como la concentración de la Hb expresada en gramos que hay en 1 dl de sangre.  
 Valor de Ref. 32 – 36 %



## Fisiopatología

### Elemento vital:

- Transporte de O<sub>2</sub>
- Síntesis de ADN
- Transporte de E-

### Transferrina

- Síntesis
- Medición

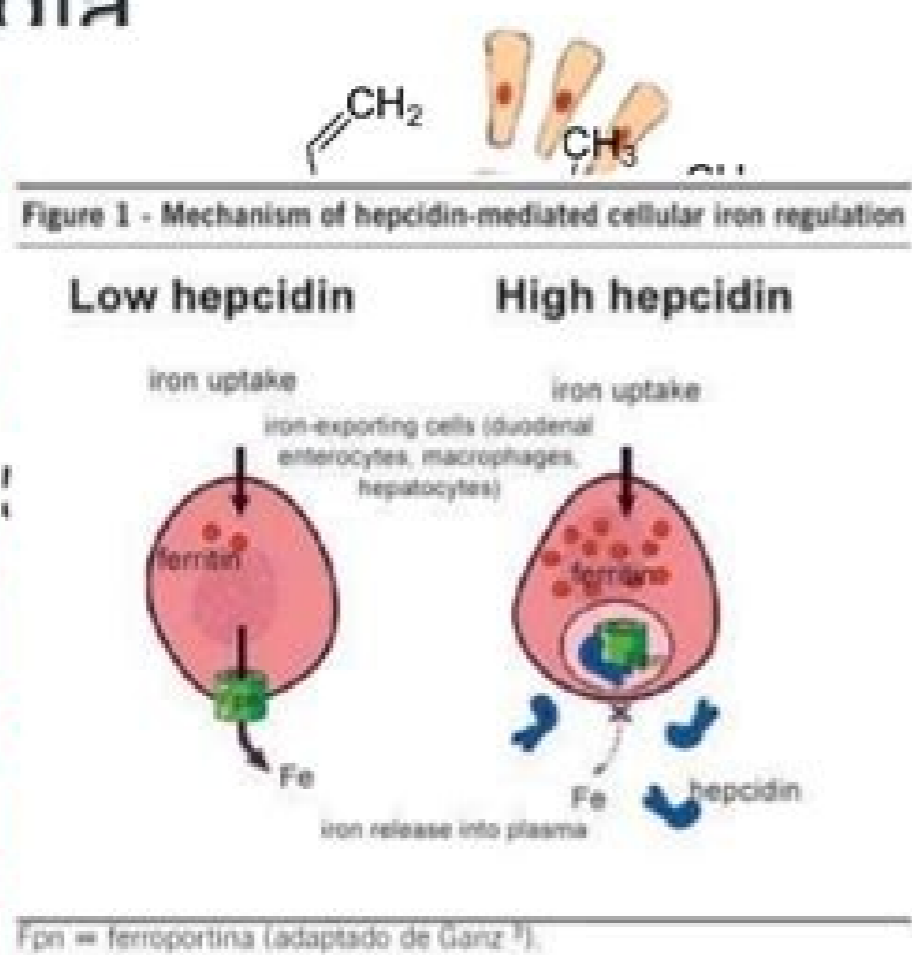
### Hemo

### Hemoglobina

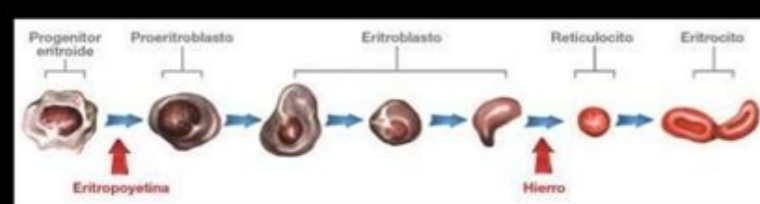
### Mioglobina

### Hepcidina

### Control de eliminación



## MECANISMOS COMPENSATORIOS



### Anemia Ferropénica

**ANEMIA FERROPENICA**

Deficiencia de hemoglobina secundaria a un déficit de Fe en el organismo.

- Causa más frecuente:** Anemia crónica por enfermedad crónica.
- Causa de hemoglobina elevada:** Falsas causas de anemia por aumento de la síntesis de hemoglobina (eritropoyesis secundaria).
- Deficiencia de hierro:** Anemia por déficit de Fe.

**Causas patológicas**

Research on blood.[Internet]. Anemia, diet and iron therapy in children living with HIV: a prospective cohort study. *Advances in Nutrition: An International Review* [Internet]. Hemoglobin concentration  $\mu$  diagnose anemia and evaluate its severity. *The Lancet* [Internet].<sup>3</sup> The Absolute Count of Reticulocytes and the Count of the Hemoglobin of  $\gamma$ cytes as Predictors of Early Response to Oral Iron Exclusive in Children with Iron Deficiency Anemia 2017 [cited on November 1, 2017];:ajcn155937. Available at: PLOS ONE [Internet]. [Online]. Error for:  $\alpha$ PrA-endoscopy test at the point of care (Simtomax- IgA/IgG-Deamidated Gliadin Peptide) for cell disease in iron deficiency anemia: <sup>3</sup> actualization and a cost saving economic model.á 2-1-6. Available at: . BolaÁzcos MV, Flores O, Bermúdez A, Hernández L, Salcedo M.Estado nutricional del hierro en niÁzcos de comunidades ind journal of Immuno-Oncology [Internet].2016. La ferritinaÁ ©rica. Ferrous anemia from diagnosis <sup>3</sup> treatment in children. [Cited 2 Nov 2017]; 1-9. Iron deficiency anemia in infants and small children. Available at: html Lasa J. Assessment of iron status in settings of inflammation: challenges and potential approaches. Available at: Available at: PMC5638269/pdf/pone.0185822.pdf Barja S, Capo E, BriceÁzco L, Jakubson L, MAA ©ndez M, Becker A. [As referenced in 1 November;8 (6):330. General view of the Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA). 2017 [cited on 1 November 2017];12 Scielo [Internet]. Pediatrics & Neonatology [Internet]. 2016.[cited on 2017 oct 31];51 (4):268-273. Graphic Rev Rev : morf elbailava.901-601 ver. the tea, j gnauh, jg noraa, r ELOTES-ELGNE MTH / 033/6/8/3466-2702 / moc.ipdm.lwww //: PTH: MORF ELBAILAVA .61- 9 :) 2 (82.) 60 von 2 odatic [.]. P O. AROM .AIGOLORFEN .L YOC /5360284CMP/SeleTra/CMP/vog.hin.mln.IBCN.WWWW //: Spth: Morf elbailava. J 7102 von 2 Detic [A AGEV. 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