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Circulating insulin-like growth factor-binding protein 3 as prognostic biomarker in liver cirrhosis

Correa CG *et al.* IGFBP-3 and prognosis in cirrhosis

Carina Gabriela Correa, Bruno da Silveira ¹⁰ Colombo, Marcelo Fernando Ronsoni, Pedro Eduardo Soares e Silva, Leonardo Fayad, Telma Erotides Silva, Letícia Muraro Wildner, Maria Luiza Bazzo, Esther Buzaglo Dantas-Correa, Janaína Luz Narciso-Schiavon, Leonardo de Lucca Schiavon

Abstract

AIM: To investigate the prognostic significance of insulin-like growth factor-

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[IGFBP3 insulin like growth factor binding protein 3 \[\(human\)\]](#)

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This gene is a member of the **insulin-like growth factor binding protein** (IGFBP) family ... In this form, it **circulates** in the plasma, prolonging the half-life of IGFs and altering their ... **prognostic** and predictive **biomarker** in stage II and III CRC **patients**. Low levels of IGF-I and IGFBP-3 observed in **patients** with advanced **liver** ...

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The **insulin-like growth factor** and **binding protein** axis in children with ... Although this is synthesised ubiquitously, the bulk of **circulating** IGF-I is derived from the **liver**. ... Growth failure in end-stage **liver disease**, both before and after OLT, may result ... of serum IGF-I, while IGF-II and IGFBP-3 overshoot to supranormal levels.

[IGF binding proteins in cancer: mechanistic and clinical insights ...](#)

www.nature.com/nrc/journal/v14/n5/abs/nrc3720.html

10 Apr 2014 ... Baxter, R. C. **Circulating** levels and molecular distribution of the acid-labile (α) ... Serum levels of **insulin-like growth factor (IGF)-binding protein-3** ... Placental protein 12 (PP12) in primary **liver cancer** and **cirrhosis**, ... growth factor binding protein-2 as a **prognostic marker** in **patients** with ovarian cancer. Clin.

[IGFBP3 - Wikipedia, the free encyclopedia](#)

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Insulin-like growth factor-binding protein 3, also known as IGFBP-3, is a protein ... For IGFs to reach the tissues from the bloodstream, the **circulating** complexes are ... However, IGFBP-3

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M Shaarawy, MA Fikry, BA Massoud... - The Journal of Clinical ..., 1998 - press.endocrine.org

The liver is the major source of circulating insulin-like growth factor binding protein-3 (IGFBP-3). Because the hepatic tissue is deranged in cirrhotic patients, we measured serum IGFBP-3 concentrations by two-site immunoradiometric assay in sera from 37 cirrhotic patients ...

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JS Flier, LH Underhill, D Le Roith - New England Journal of ..., 1997 - Mass Medical Soc

... primarily by the liver, retain the C peptide and have an extended carboxy terminus.1 Insulin circulates at picomolar ... The IGFs, on the other hand, circulate at much higher (nanomolar) concentrations and are largely bound to one of six ... (2016) Agreement between circulating IGF- ...

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S Jogie-Brahim, D Feldman, Y Oh - Endocrine reviews, 2009 - press.endocrine.org

... Unraveling Insulin-Like Growth Factor Binding Protein-3 Actions in Human Disease. ... proteins have been identified: IGFBP-1 through IGFBP-6 (8). Hepatic IGF-I circulates almost entirely ... had no effect on the expression of hepatic IGFBP-3 mRNA but increased circulating IGFBP-3 ...

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... cancer risk in men and plasma levels of insulin-like growth factor (IGF)-I and IGF-binding protein-3. J. Natl. ... SE, Willett WC, Colditz GA, Hunter DJ, Michaud DS, Deroo B., Rosner B., Speizer FE, Pollak M. Circulating concentrations of insulin-like growth factor-I and ...

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6 天前 - In this form, it **circulates** in the plasma, prolonging the half-life of IGFs and altering ... IBP-3, **IGF-binding protein 3**, IGFBP-3, acid stable subunit of the 140 K IGF ... compared to **patients with liver cirrhosis**, but lower than in healthy controls. ... **prognostic** and predictive **biomarker** in stage II and III CRC patients.

The insulin-like growth factor and binding protein axis in children with ...

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作者: RI Holt - 1998 - 被引用次数: 32 - 相关文章

The **insulin-like growth factor** and **binding protein** axis in children with ... Although this is synthesised ubiquitously, the bulk of **circulating IGF-I** is derived from the **liver**. ... Growth failure in end-stage **liver disease**, both before and after OLT, may result ... of serum **IGF-I**, while **IGF-II** and **IGFBP-3** overshoot to supranormal levels.

IGFBP3 - Wikipedia, the free encyclopedia

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Insulin-like growth factor-binding protein 3, also known as IGFBP-3, is a protein that in humans ... For IGFs to reach the tissues from the bloodstream, the **circulating** complexes ... However, IGFBP-3 gene expression in human **liver** is GH-independent. **insulin-like growth factor binding protein-3** actions in human disease"