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Name of Journal: *World Journal of Hepatology*

Manuscript NO: 62221

Manuscript Type: ORIGINAL ARTICLE

Clinical and Translational Research

Bile acid indices as biomarkers for liver diseases II: The bile acid score survival prognostic model

Alamoudi JA *et al.* BA indices as prognostic biomarkers

Jawaher Abdullah Alamoudi, Wen-Kuan Li, Nagsen Gautam, ²⁷Marco Olivera, Jane Meza, Sandeep Mukherjee, Yazan Alnouti

Abstract

²¹BACKGROUND

Cholestatic liver diseases are characterized by an accumulation of toxic bile acids (BA) in the liver, blood and other tissues which lead to progressive liver injury and poor

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Oct 24, 2014 · Hepatobiliary diseases result in the accumulation of bile acids (BAs) in the liver, systemic blood, and other tissues leading to an unfavorable prognosis. The BA profile was characterized by the calculation of indices that describe the composition, **sulfation**, and **amidation of total** ...

Cited by: 20

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Publish Year: 2015

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Urinary Bile Acids as Biomarkers for Liver Diseases II ...

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Aim: Investigation of bile acids (BAs) as biomarkers for liver and kidney diseases has gained momentum recently to fulfill the needs in drug development and clinical practice, but a thorough and ...

PEOPLE ALSO ASK

Can serum bile acid affect ESRD patients? ▾

Are bile acids in ESRD? ▾

What is the role of bile acids in the body? ▾

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Mar 07, 2018 · An increase in circulating total bile acids is an accepted **biomarker** of hepatobiliary impairment and **disease** [17,20]. However, the hydrophobic LCA and DCA are considered the most cytotoxic bile ...

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Role of bile acids in the diagnosis and progression of ...

<https://www.spandidos-publications.com/10.3892/etm.2019.8011> ▾

Introduction. Liver cirrhosis is the end stage of liver disease and it has a number of different etiologies. Liver cirrhosis is currently the 11th most common cause of death worldwide ().Hepatocellular carcinoma (HCC) is the most common cause of death in people with cirrhosis (2,3).Although liver biopsy is the gold

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Cited by: 20 **Author:** Sai Praneeth Reddy Bathena, Rhishikesh T...
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Bile Acids as Potential Biomarkers to Assess Liver ...

<https://journals.sagepub.com/doi/10.1177/1091581818760746>

Polycystic kidney **disease** is characterized by the progressive development of kidney cysts and declining renal function with frequent development of cysts in other organs including the **liver**. The po...

Cited by: 6 **Author:** William J Brock, James J Beaudoin, Jason ...
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BA **indices** belonging to % amidation and % composition were better associated with the severity of the **liver disease** as determined by the **model** for end-stage **liver disease** (MELD) **score** and **disease** ...

(PDF) Assessment of serum bile acid profiles as biomarkers ...

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Mar 07, 2018 · The first two lines of Table 2 show a rather similar **bile acid** profile for general **liver disease** and drug-induced **liver** injury. In this study, samples were ...

Glycodeoxycholic Acid Levels as Prognostic Biomarker in ...

<https://academic.oup.com/toxsci/article/142/2/436/3064906> ▾

Sep 19, 2014 · As serum **bile acid** levels are also elevated and associated with **disease** progression in NASH patients (Bechmann et al., 2013), studies assessing individual **bile acids** in populations such as these may yield novel **prognostic** markers that can differentiate between benign and advanced forms of **disease**. More research is necessary on other etiologies of **liver disease** to determine whether individual **bile acids** such as GDCA or others directly correlate with **disease** ...

Cited by: 39 **Author:** Benjamin L. Woolbright, Mitchell R. McGill, ...
Publish Year: 2014

Serum Bile Acid, Vitamin E, and Serotonin Metabolites Are ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/10.1002/hep4.1665>

Bile acids are increasingly recognized as signaling molecules with pleiotropic effects on **liver** physiology, and **bile acid** metabolites may be future NAFLD **biomarkers**. In one study, participants with NAFLD had higher serum levels of glycocholate, taurocholate, and glycochenodeoxycholate compared to ...

Glycodeoxycholic Acid Levels as Prognostic Biomarker in ...

<https://www.researchgate.net/publication/265864211...>

The elevation of **bile acids** is not specific to APAP toxicity and it is likely that **bile acids** are elevated in other forms of drug-induced **liver** injury in man [22], as well as other **disease** ...

Bile acids and nonalcoholic fatty liver disease: Molecular ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.28709>

Jun 30, 2016 · Ursodeoxycholic **acid** (UDCA), a BA with immunomodulatory, antioxidant, and antiapoptotic properties is used to treat other forms of **liver disease** and was considered a reasonable potential therapy for NASH. 8 Although a considerable number of rodent and human studies have been conducted, the findings with regard to benefit have been conflicting ...

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Bile acids and nonalcoholic fatty liver disease: Molecular ...

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