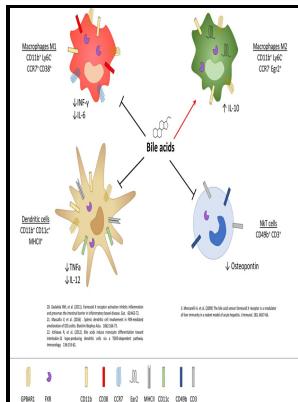


Bile acids and the liver in inflammatory bowel disease.

University of Birmingham - Bile Acids, Liver Injury, and Liver Disease



Description: -

-Bile acids and the liver in inflammatory bowel disease.

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Alterations in Bile Acid Metabolism Associated With Inflammatory Bowel Disease

Therefore, when considering conjugated bile acids, one is referring to the negatively charged bile acid molecule, ie, the bile acid anion.

Alterations in Bile Acid Metabolism Associated With Inflammatory Bowel Disease

Feeding normal mice a diet that increases bile acid levels also activates YAP in the liver. This may occur intracellularly, as occurs in the hepatocyte in cholestasis, or extracellularly, as occurs in the colon in patients with bile acid malabsorption.

Bile Acids

Whether UDCA has favorable immunomodulatory properties continues to be debated. When elimination is impaired, bile acids accumulate intracellularly. Simultaneously, on stimulation of FXR with BA, ileal enterocytes secrete FGF19, which subsequently downregulates BA synthesis in the hepatocytes.

Serum bile acid profiling for inflammatory bowel disease characterization

Although the phenotype of CD and ulcerative colitis may vary from person to person and during the course of the disease, diarrhea is invariably present in most of manifesting patients, affecting approximately 85% of patients with CD at the time of diagnosis. World J Gastroenterol 9 4 :878-880. In the healthy person, all bile acids undergo nearly complete 7-dehydroxylation.

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