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the liver. In this article, we review the current practices and possible modifications to iron chelation therapy that are relevant to children with iron overload associated with transfusion-dependent and non...

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**Chelation therapy in liver diseases of childhood: current status and response**

Jayendra Seetharaman, Moinak Sen Sarma

**Abstract**

Chelation is the mainstay of therapy in certain pediatric liver diseases. Copper and iron related disorders require chelation. Wilson's disease, one of the common causes of cirrhosis in children, is treated primarily with copper chelating agents like D-

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## IRON OVERLOAD AND CHELATION - Guidelines for the ...

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However, the relationship between LIC and extra-hepatic iron is complicated by **chelation therapy** as iron tends to be accumulate initially in the **liver** and later in the heart but also is removed more rapidly from the liver than the heart by **chelation therapy** (Noetzli 2008, Anderson 2004). Thus in patients receiving **chelation therapy**, whilst high LIC increases the risk of cardiac iron overload, the ...

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For **children** with blood lead levels of 10 to 20 µg/dL (the majority of lead-poisoned **children** in the United States), **chelation therapy** is not recommended, primarily because it is difficult to identify a single source of lead to abate and because for lead levels in this range, the risk for adverse effects from **chelation therapy** may outweigh the potential benefits. 71 Instead, education, hazard reduction (if a lead source ...

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Jul 01, 2003 · Measurement of liver iron levels has been described as the criterion for the assessment of the efficacy of iron **chelation therapy**. 41 In a study of 59 patients with thalassemia major treated with deferoxamine, all deaths from cardiac disease occurred in patients with liver iron concentrations greater