



*nutrients*



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## Nutrition and Liver Disease

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

Homeostasis of nutrients, such as glucose, amino acid, lipid, vitamin, and trace element, is mainly regulated by liver and its disruption causes various liver disease. Protein-energy malnutrition is often detected in the patients with liver cirrhosis and branched-chain amino acid supplementation can improve the outcome of cirrhotic patients. Furthermore, dietary saturated fat, trans fat, and cholesterol may give different impact on the development of non-alcoholic steatohepatitis and liver cancer. These findings indicate a close linkage between nutrients and liver disease, and we always need to recognize the importance of nutritional aspects in the pathogenesis of liver disease. In this issue, we would like to summarize the current studies regarding nutrition and liver disease and discuss future direction of nutritional researches. We welcome many manuscripts regarding not only the association between nutrients and liver disease, but also promising dietary interventions, including fasting, calorie restriction, and functional foods.

Prof. Naoki Tanaka  
Guest Editor



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