

Match Overview



1 **Crossref** 13 words
Ramesh Kumar, Archana Rastogi, Manoj Kumar Sharma, Vikram Bhatia et al. "Liver Stiffness Measurements in Patients

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Name of Journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 53290

Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Role of micronutrients in staging of nonalcoholic fatty liver disease - a retrospective cross-sectional study

Bertol FS *et al.* Staging of nonalcoholic fatty liver disease

Franciele Sabadin Bertol, Bruna Araujo, Brunno Brochado Jorge, Natalino Rinaldi, Luiz Alberto De Carli, Cristiane Valle Tovo

The Role of Micronutrients in Staging of Nonalcoholic Fa



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Micronutrients in Liver Disease: Roles, Risk Factors for ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/ncp.10451>

Dec 16, 2019 · In addition to metabolic derangements caused by liver disease, **heavy alcohol intake** exacerbates the risk of micronutrient deficiency by replacing nutrient-dense foods in the diet, generating reactive oxygen species that can deplete **antioxidant stores**, decreasing **intestinal absorption** of certain nutrients, and increasing **nutrient excretion** in the urine. 3 The following micronutrient deficiencies are common in alcoholic liver disease (ALD) as a result of heavy drinking: **thiamin**, **riboflavin** ...

Author: Michelle Kozeniecki, Rachel Ludke, J...

Publish Year: 2020

The role of nutrition in non-alcoholic fatty liver disease ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/liv.14360>

3 contribution of micronutrients to **non-alcoholic fatty liver disease** **Micronutrients** are important for the development of **NAFLD**. To date, the micronutrients involved in **NAFLD** are zinc, copper, iron, selenium, magnesium, **vitamins** A, C, D and **E** and carotenoids.

Micronutrients in Nonalcoholic Fatty Liver Disease ...

<https://www.sciencedirect.com/science/article/pii/S2352345X18301176>



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Micronutrients in Liver Disease: Roles, Risk Factors for ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/ncp.10451>

Dec 16, 2019 · **Nonalcoholic fatty liver disease (NAFLD)** refers to the presence of hepatic steatosis (ie, at least 5% of the **liver's** weight composed of **fat**) with no history of significant alcohol intake or other medical conditions to promote steatosis. 9 **NAFLD** is a **growing cause of liver disease** in the United States, affecting 20%–30% of the overall population, yet the pathogenesis has not been fully ...

Author: Michelle Kozeniecki, Rachel Ludke, J... **Publish Year:** 2020

The role of nutrition in non-alcoholic fatty liver disease ...

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3 contribution of **micronutrients** to **non-alcoholic fatty liver disease** **Micronutrients** are important for the development of NAFLD. To date, the **micronutrients** involved in NAFLD are zinc, copper, iron, selenium, magnesium, vitamins A, C, D and E and carotenoids.

Author: Genoveva Berná, Manuel Romero-Go... **Publish Year:** 2020

Micronutrients in Nonalcoholic Fatty Liver Disease ...

<https://www.sciencedirect.com/science/article/pii/S2352345X18301176>

Micronutrients in Nonalcoholic Fatty Liver Disease Pathogenesis. Micronutrients include **electrolytes**, **minerals**, **vitamins**, and **carotenoids**, and are required in microgram or milligram quantities for cellular metabolism. The liver plays an important role in micronutrient metabolism and this metabolism often is altered in chronic liver diseases.

Cited by: 7 **Author:** Octavia Pickett-Blakely, Kimberly Young, ...

Publish Year: 2018

Micronutrient Antioxidants and Nonalcoholic Fatty Liver ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5037659>

Aug 23, 2016 · Nonalcoholic **fatty liver disease** (NAFLD) is characterized as the accumulation of