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# EFFICACY AND SAFETY OF BARIATRIC SURGERY IN CIRRHOTIC PATIENTS VERSUS NON- CIRRHOTIC PATIENTS: A SYSTEMATIC REVIEW AND A META-ANALYSIS

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# Disclosure Slide



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<input checked="" type="checkbox"/>	No, nothing to disclose
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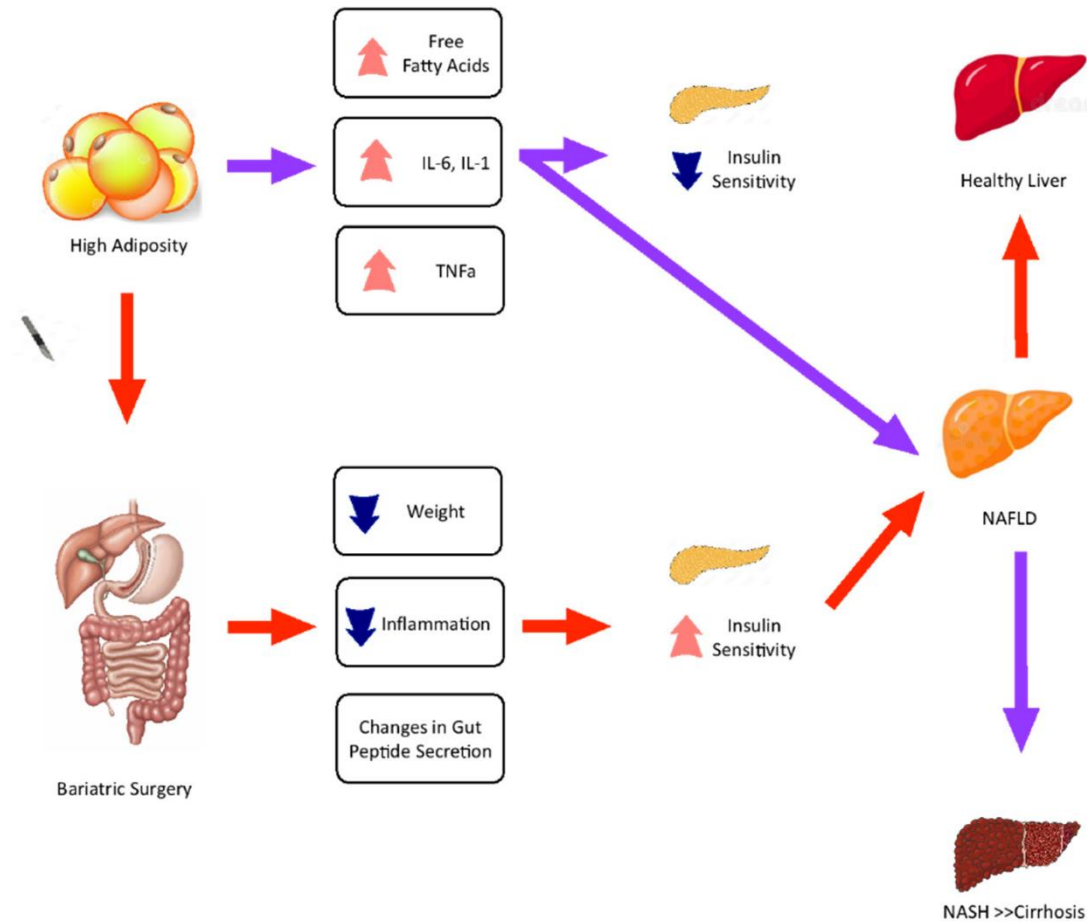


# Why Bariatric Surgery in patients with cirrhosis?



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Sarno et al. 2022

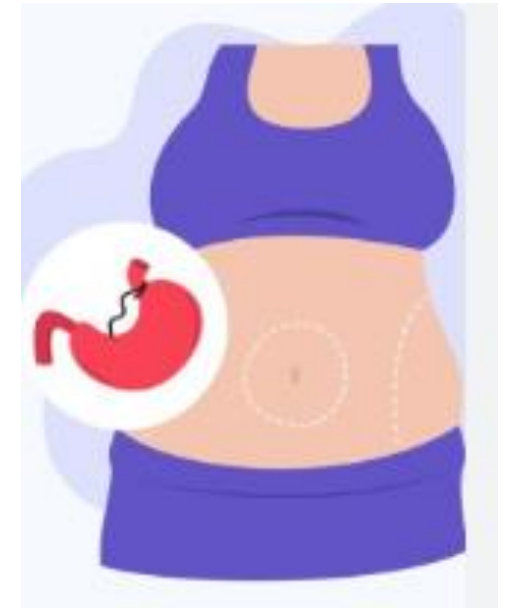


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# Why Compare Cirrhotic vs Non-Cirrhotic Patients?

- Obesity and **MASLD** are major drivers of cirrhosis.
- Growing number of patients with cirrhosis require BMS.
- Previous studies suggest **higher mortality risk** in patients with cirrhosis undergoing BMS.
- Safety and efficacy compared to non-cirrhotics remain uncertain.





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# Key findings

## Bullets:

- **Mortality:** Higher in cirrhotic patients (RR 2.77), but absolute risk increase only **1.18%**.
- **Early complications:** Higher in patients with cirrhosis (RR 1.50).
- **Length of stay:** +0.5 days in patients with cirrhosis.
- **Weight loss (TWL%):** Similar between cirrhotic and non-cirrhotic groups.
- **Most patients had mild disease (mean MELD ~7.3).**

Non published-data



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# Conclusion

- BS is safe & effective in patients with liver cirrhosis
- Patients with cirrhosis have statistically higher risk of complications and mortality.
- Weight loss outcomes are comparable.
- Careful patient selection remains crucial.

**Take-home message:** BS is a feasible option in selected cirrhotic patients.



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**Introduction:** Bariatric surgery is the most effective treatment for severe obesity, but its safety in patients with cirrhosis remains uncertain.

**Methods:** A systematic review and meta-analysis of observational studies compared outcomes of BS in cirrhotic versus non-cirrhotic patients.

**Results:** Cirrhotic patients had slightly higher mortality, postoperative complications, and longer hospital stays, while weight loss outcomes were similar between groups.

**Conclusion:** BS in cirrhotic patients carries increased perioperative risks but remains effective for weight loss. Further research is needed to clarify its role, particularly in advanced cirrhosis.

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