**Title Page**

**1.1 Title:**

Serum 25-hydroxy vitamin D deficiency is associated with hepatic encephalopathy in patients with chronic liver disease

**1.2 Running title:**

25-OHD deficiency and hepatic encephalopathy

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**1.5 Author Contributions**

**Grant support:**

The authors did not receive any grant support for this project.

**Disclosures:**

The authors have no conflicts of interests to disclose.