

A NEW TREATMENT PROTOCOL FOR SUPERIOR MESENTERIC ARTERY SYNDROME: A MULTICENTRE EXPERIENCE WITH JEJUNAL FEEDING FOLLOWED BY LAPAROSCOPIC TREITZ LIGAMENT RELEASE

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Poster

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A standardized treatment protocol combining jejunal feeding and laparoscopic Treitz ligament release achieved symptom resolution in 7 of 9 patients with superior mesenteric artery syndrome across three Dutch hospitals from 2020 to 2024.

KEY POINTS

- The protocol consisted of jejunal tube feeding for six to eight weeks followed by laparoscopic release of the Treitz ligament, with SMA reimplantation as a third option, implemented at Medisch Spectrum Twente, Franciscus, and Erasmus MC in the Netherlands
- Of 12 patients treated (mean age 29.2 years, 58.3% female, mean BMI 20.01), nine underwent laparoscopic Treitz ligament release and seven experienced complete resolution of symptoms
- One patient with co-existing Nutcracker syndrome received primary SMA infra-renal reimplantation and had complete symptom resolution
- Two patients had persistent symptoms resembling gastroparesis and irritable bowel syndrome following Treitz ligament release, and two patients are planned for the procedure
- The authors suggest this approach may offer an alternative to duodenojejunoscopy with potentially reduced complications, though further research with larger sample sizes is needed to confirm long-term outcomes

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