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Summary

TREATMENT IN A SPECIALIZED INTESTINAL STROKE CENTER IMPROVES SURVIVAL AFTER ACUTE MESENTERIC ISCHEMIA: A STUDY FROM THE FRENCH NATIONAL HEALTH DATA SYSTEM

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UEG Week Copenhagen 2023 | Poster

Small Intestine & Nutrition

October 15, 2023

A French national database study of 10,126 patients found that treatment of acute mesenteric ischemia in a specialized Intestinal Stroke Center was associated with a 10% absolute increase in 12-month survival compared to university hospitals without such specialization.

KEY POINTS

- Patients with acute mesenteric ischemia treated at the Intestinal Stroke Center had significantly lower mortality at 1 month (HR 0.70, p<0.001), 3 months (HR 0.77, p<0.001), and 12 months (HR 0.81, p<0.001) compared to 11 control university hospitals with vascular and digestive surgical teams.
- Twelve-month survival probability was 66% in the Intestinal Stroke Center versus 54% in control hospitals, representing an absolute survival benefit of 10%.
- The study analyzed 1,206 patients treated at the Intestinal Stroke Center and 8,920 patients at control hospitals over 9 years (2009-2018) using the French National Health Data System covering 99% of the population.
- The authors describe this as the first comparative study evaluating specialized care for acute mesenteric ischemia and suggest these findings support implementing regional Intestinal Stroke Centers.
- This material is relevant to gastroenterologists, vascular surgeons, and health system planners considering models of care for acute mesenteric ischemia.

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