

Early aggressive fluid resuscitation not better for pancreatitis

September 16 2022



Early aggressive fluid resuscitation results in a higher incidence of fluid

overload and does not improve clinical outcomes for patients presenting with acute pancreatitis, according to a study published in the Sept. 15 issue of the *New England Journal of Medicine*.

Enrique de-Madaria, M.D., Ph.D., from Dr. Balmis General University Hospital in Alicante, Spain, and colleagues randomly assigned 249 [patients](#) at 18 centers who presented with [acute pancreatitis](#) to receive goal-directed aggressive or moderate resuscitation with lactated Ringer's solution. Patients were assessed at 12, 24, 48, and 72 hours; fluid resuscitation was adjusted based on the patient's clinical status.

The trial was halted due to between-group differences in the safety outcomes, with no significant difference in the incidence of moderately severe or severe pancreatitis between the groups (22.1 and 17.3 percent in the aggressive- and moderate-resuscitation groups, respectively; adjusted relative risk, 1.30; 95 percent confidence interval, 0.78 to 2.18; $P = 0.32$). The researchers found that fluid overload developed in 20.5 and 6.3 percent of those who received aggressive and moderate resuscitation, respectively (adjusted relative risk, 2.85; 95 percent confidence interval, 1.36 to 5.94; $P = 0.004$). The median duration of hospitalization was six and five days in the aggressive- and moderate-resuscitation groups, respectively.

"The use of aggressive fluid resuscitation led to a higher risk of volume overload and did not show the hypothesized benefit in disease-specific outcomes," the authors write.

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)
[Editorial \(subscription or payment may be required\)](#)

Copyright © 2022 [HealthDay](#). All rights reserved.

Citation: Early aggressive fluid resuscitation not better for pancreatitis (2022, September 16)
retrieved 30 December 2022 from

<https://medicalxpress.com/news/2022-09-early-aggressive-fluid-resuscitation-pancreatitis.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.