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**Manuscript NO:** 51815

**Manuscript Type:** META-ANALYSIS

**Is aggressive intravenous fluid resuscitation beneficial in acute pancreatitis? A meta-analysis of randomized control trials and cohort studies**

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## Abstract

### BACKGROUND

There is conflincting evidence on the intravenous fluid (IVF) strategy for acute pancreatitis. We perform a metaanalysis of the available evidence.

### METHODS

Metaanalysis of available randomized controlled trials and cohort studies comparing aggressive IVE vs non-aggressive IVE resuscitation

## Match Overview

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## Fluid resuscitation in acute pancreatitis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4277949>

Dec 28, 2014 · Recommendations in various reviews for **fluid resuscitation in acute pancreatitis**

Although **aggressive fluid** therapy is the cornerstone of treatment in AP, a few recent studies have suggested that non-**aggressive fluid** therapy may be better in reducing mortality and improving outcomes[ 14 - 18 ].

Cited by: 21

Author: Aakash Aggarwal, Manish Manrai, Rakes...

Publish Year: 2014

## [PDF] Fluid resuscitation in acute pancreatitis

[https://www.pancreapedia.org/sites/default/files/DOI Formatted Fluid Resuscitation...](https://www.pancreapedia.org/sites/default/files/DOI%20Formatted%20Fluid%20Resuscitation...)

**fluid resuscitation in acute pancreatitis**. (GRADE 1B, strong agreement) - Goal directed **intravenous fluid** therapy with 5-10 ml/kg/h should be used initially until **resuscitation** goals are reached. (GRADE 1B, weak agreement) - The preferred approach to assessing the response to **fluid resuscitation** ...

## (PDF) Fluid resuscitation in acute pancreatitis

[https://www.researchgate.net/.../270659682\\_Fluid\\_resuscitation\\_in\\_acute\\_pancreatitis](https://www.researchgate.net/.../270659682_Fluid_resuscitation_in_acute_pancreatitis)

Dec 28, 2014 · **Acute pancreatitis** remains a clinical challenge, despite an exponential increase in our knowledge of its complex pathophysiological changes. Early **fluid** therapy is ...

## Fluid Resuscitation in Acute Pancreatitis - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S1542356508004941>

Instead we focus on the limited animal studies that specifically address **fluid resuscitation**, including those using colloid solutions, as a means of maintaining pancreatic blood perfusion in **acute pancreatitis**. The goal of **intravenous fluid resuscitation in acute pancreatitis** is to adequately

perfuse the pancreatic microcirculation so that





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## Fluid Resuscitation in Acute Pancreatitis - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S1542356508004941>

**Acute pancreatitis** is a common **inflammatory disorder** of the **pancreas resulting** in considerable **morbidity** and a mortality rate of approximately 5%. Although there are no **pharmacologic treatments** known to improve important outcomes, **aggressive intravenous fluid resuscitation** generally is recommended in all patients.

**Cited by:** 148

**Author:** Timothy B. Gardner, Santhi Swaroop Veg...

**Publish Year:** 2008

## Acute pancreatitis: recent advances through randomised trials

<https://gut.bmj.com/content/66/11/2024> ▾

Nov 01, 2017 · One RCT in 60 patients with predicted mild pancreatitis demonstrated that aggressive fluid hydration with **Ringer's lactate** (20 mL/kg bolus followed by 3 mL/kg/h) compared with standard hydration with **Ringer's lactate** (10 mL/kg bolus followed by ...

**Cited by:** 56

**Author:** Sven M van Dijk, Nora D L Hallensleben, ...

**Publish Year:** 2017

## Corticosteroid therapy for severe acute pancreatitis: a

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