Aggressive or Moderate Fluid Resuscitation in Acute Pancreatitis

A multicenter, open-label, parallel-group, randomized, controlled, superiority trial

September 15, 2022

In patients with acute pancreatitis

WATERFALL TRIAL

Is aggressive fluid resuscitation safe and effective compared to moderately-aggressive fluid strategy?

AGGRESSIVE RESUSCITATION

20 ml/kg in 2 hours followed by 3 ml/kg/hour.

Fluid rate was adjusted based on patient's status .

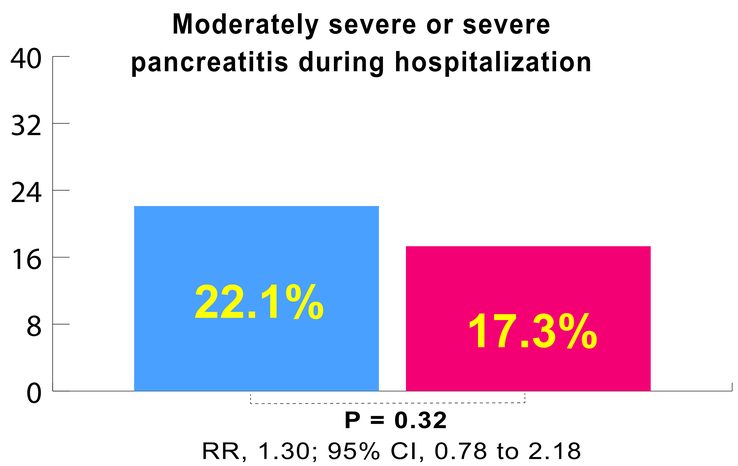
122 Patients

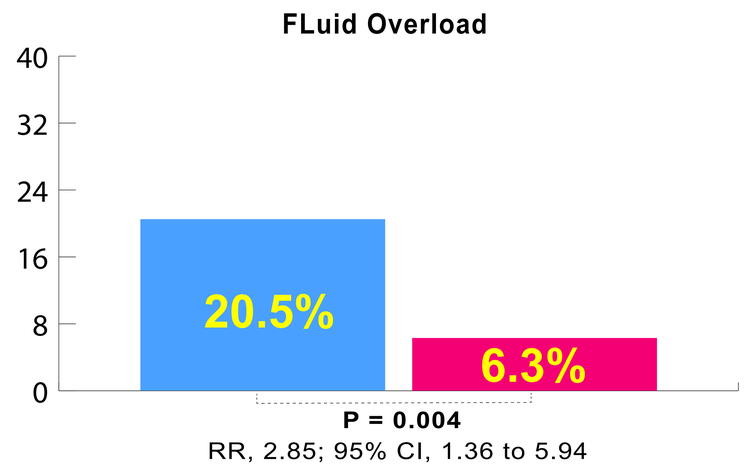
127 Patients

MODERATE-RESUSCITATION

Bolus of 10 ml/kg in patients with hypovolemia or no bolus in patients with normovolemia, followed by 1.5 ml/kg/hour.

Fluid rate was adjusted based on patient's status.





CONCLUSION

In patients with acute pancreatitis, early aggressive fluid resuscitation resulted in a higher incidence of fluid overload without improvement in clinical outcomes.