

CORRECTION



Correction: Crosstalk Between the Nervous System and Systemic Organs in Acute Brain Injury

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The original article has been corrected. In this article the Figures 2 and 3 were wrongly numbered and not the right figure for those legends. Figure 2 should have been Fig. 3 and vice versa.

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Gastrointestinal consequences of habitual ICU therapies

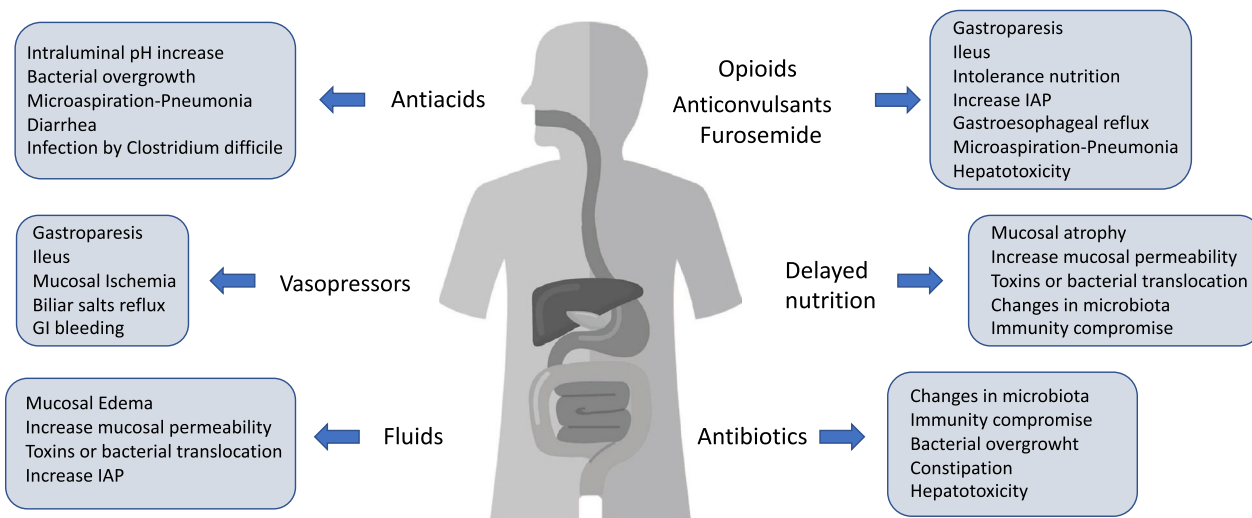


Fig. 2 Gastrointestinal consequences of habitual ICU therapies. This figure depicts the consequences of habitual therapies used in the ICU on gut homeostasis. Antiacids can increase intraluminal pH, favoring bacterial overgrowth (including *C. Difficile* infection), microaspiration pneumonia, and diarrhea. Antiacids can increase intraluminal pH, favoring bacterial overgrowth (including *C. Difficile* infection), microaspiration pneumonia, and diarrhea. This figure depicts the consequences of habitual therapies used in the ICU on gut homeostasis. Fluids can increase mucosal edema and permeability, thus favoring toxins and bacterial translocation. This can be also precipitated by increased intraabdominal pressure. Opioids, anticonvulsant, and furosemide have similar effects to fluids and antacids on gastrointestinal function. Delayed nutrition can predispose to mucosal atrophy, increased mucosal permeability, and favor bacterial translocation. Delayed nutrition can predispose to mucosal atrophy, increased mucosal permeability, and favor bacterial translocation. GI, gastrointestinal, IAP, intraabdominal pressure, ICU, intensive care unit

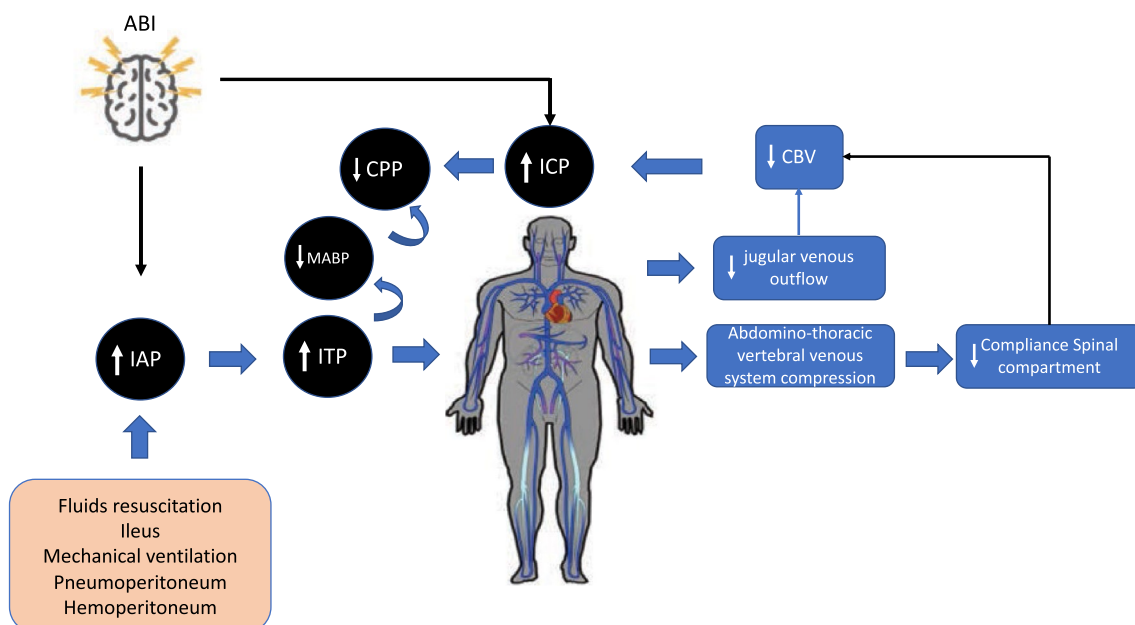


Fig. 3 Relationship between intraabdominal pressure and intracranial pressure. Fluid resuscitation, ileus, mechanical ventilation, pneumoperitoneum, and hemoperitoneum cause an increase of intraabdominal pressure and intrathoracic pressure, which result in increased intracranial pressure and decreased in cerebral perfusion pressure. ABI, acute brain injury, CPP, cerebral perfusion pressure, CBV, cerebral blood volume, IAP, intraabdominal pressure, ICP, intracranial pressure, ITP, intrathoracic pressure, MABP, mean arterial blood pressure

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