Supplemental Data

Blockade of Multidrug Resistance-Associated Proteins Aggravates Acute Pancreatitis and Blunts Atrial Natriuretic Factor’s Beneficial Effect in Rats: Role of MRP4 (ABCC4)

Maria Silvia Ventimiglia,1 Ana Clara Najenson,1 Juan Carlos Perazzo,1 Alejandro Carozzo,3 Marcelo S Vatta,2 Carlos A Davio,3 and Liliana G Bianciotti1

Online address: http://www.molmed.org

Supplementary Figure S1. MRPs blockade does not affect plasma amylase in normal rats. Animals were infused with secretin alone or with ANF in the presence or absence of probenecid and amylase measured in plasma as detailed in Materials and Methods.

Supplementary Figure S2. Secretin and ANF do not induce pathophysiological changes in the exocrine pancreas. Hematoxylin and eosin section of pancreas from rats infused with ANF (A), secretin (B) and Secretin + ANF (C). Each is a representative photograph (x400 magnification).
Blockade of MRPs Aggravates Acute Pancreatitis

Supplementary Figure S3. Left panel: Hematoxylin and eosin section of pancreas from rats infused with ANF, secretin and secretin + ANF. Right panel: Hematoxylin and eosin section of pancreas from rats infused with ANF, secretin and secretin + ANF in the presence of probenecid pretreatment. Each is a representative photograph (x100 magnification).
Supplementary Figure S4. Left panel: Hematoxylin and eosin section of pancreas from rats with acute pancreatitis induced by cerulein and infused with secretin alone or with ANF. Right panel: Hematoxylin and eosin section of pancreas from rats with acute pancreatitis induced by cerulein and infused with secretin alone or with ANF in the presence of probenecid pretreatment. Each is a representative photograph (x100 magnification).