

REBOA Release

Release of cytokines, endotoxins, hypoxanthine, purines, reactive oxygen species



- ▶ *Increased* renin
- ▶ *Increased* angiotensin
- ▶ *Elevated* norepinephrine levels
- ▶ *Increased* leukocyte and neutrophil counts
- ▶ *Elevated* thromboxane and prostaglandin levels
- ▶ *Increased* vascular permeability
- ▶ *Decreased* preload
- ▶ *Decreased* cardiac output
- ▶ *Decreased* afterload
- ▶ *Decreased* aortic impedance

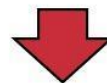
- ▶ Hypotension
- ▶ Ischemia



- ▶ Pulmonary edema
- ▶ Acute lung injury
- ▶ Acute Respiratory Distress Syndrome



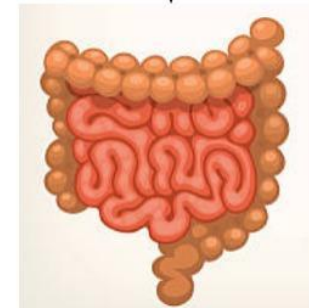
Clinical Manifestations



- ▶ Ischemia
- ▶ Impaired synthetic function
- ▶ Elevated liver enzymes



- ▶ Ischemia
- ▶ Ileus



- ▶ Hypophosphatemia
- ▶ Renal failure
- ▶ Metabolic acidosis
- ▶ Lactatemia

