

SUPPLEMENTS

Supplement 1 - Case scenarios, target organs and objectives

Case scenarios	Target organs	Objectives
83-year-old female patient with heart failure and sepsis	Inferior vena cava	Assessment of fluid status to guide fluid treatment
63-year-old patient with severe abdominal pain and signs of shock	Abdominal aorta	Detection of aortic aneurysm, aortic dissection and aortic rupture
19-year-old patient with penetrating abdominal trauma and signs of shock	Pericardial, pleural and peritoneal cavity	Detection of free fluid to guide management and transport
70-year-old female patient c/o dyspnea with a history of COPD and heart failure	Lungs	Detection of pneumothorax, interstitial syndrome, pleural effusion and pneumonia
25-year-old patient in cardiac arrest	Heart	Recognition of heart related reversible causes of cardiac arrest.