

**51-72%**

Prevalence of at least one organ failure at some point during the ICU stay<sup>1</sup>

# Symptoms & manifestations in multiple organ failure

Dysfunction can occur in any of the organs, but there are six major organ systems in which it is more severe and can be detectable.<sup>2</sup>

## Respiratory System

- Hypoxia
- Tachpnea
- ↓ PaO<sup>2</sup> : FiO<sup>2</sup> ratio

FiO<sup>2</sup>: Fraction of inspired oxygen  
PaO<sup>2</sup>: Arterial partial pressure of oxygen



**2**



## Central Nervous System

- Altered consciousness
- Confusion
- Psychosis

## Hepatic System

- Jaundice
- ↑ Bilirubin levels
- ↑ Liver enzymes
- ↓ Albumin



**4**

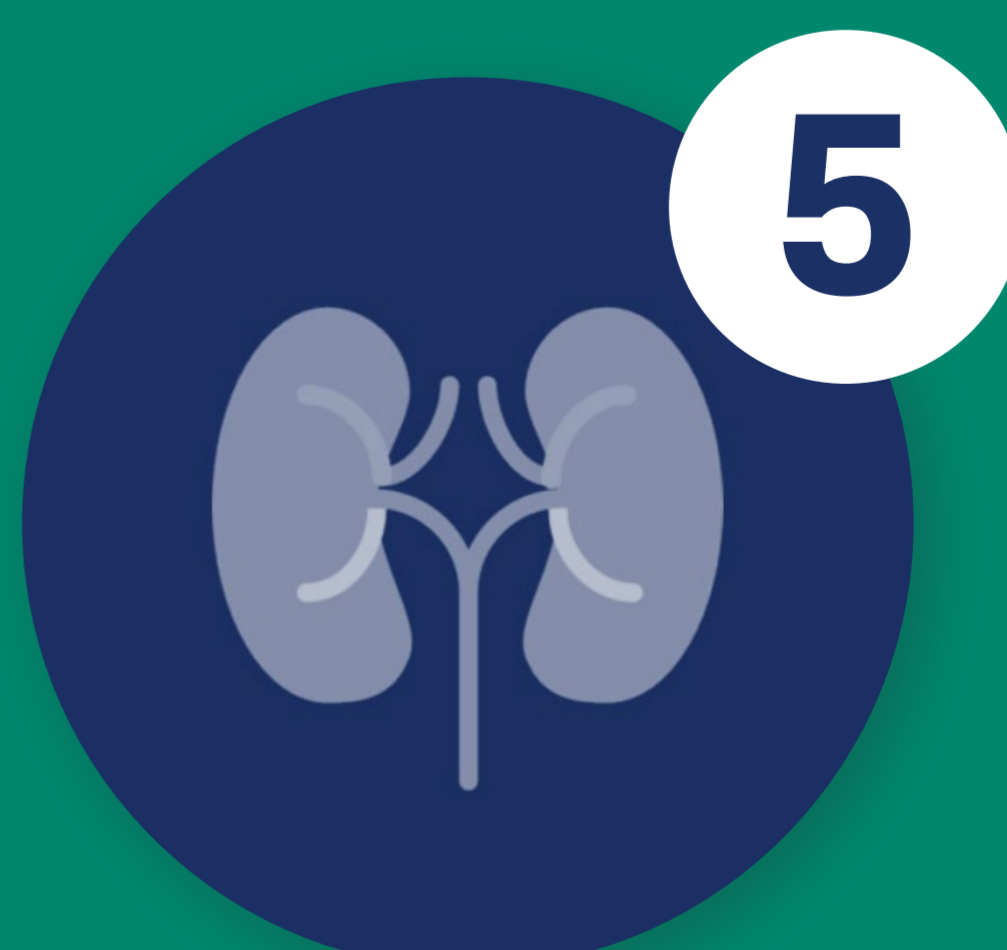


## Cardiovascular System

- Tachycardia
- Hypotension
- ↑ Lactate levels
- Altered echocardiography variables

## Renal System

- Oliguria
- ↑ Creatinine
- ↑ Blood urea nitrogen



**6**



## Hematological System

- ↑ Platelets
- Petechiae
- ↓ Protein C
- ↑ D-Dimer
- Disseminated intravascular coagulation

1. Pedersen PB, et al. (2017). Prevalence and prognosis of acutely ill patients with organ failure at arrival to hospital: protocol for a systematic review. Syst Rev; 6(1): 227

2. Abernathy's Surgical Secrets (Seventh Edition). Multiple Organ Failure. Science Direct. 2018