

HEMODYNAMIC MONITORING IN THE CRITICALLY ILL

(Partial list of topics)

1. Pressure and flow: essential physiologic concepts
2. How blood flow is regulated in different organs
3. How to interpret arterial pressure
4. Should I measure cardiac output?
5. How to manipulate cardiac output
6. How to measure autoregulation
7. Echocardiography as a monitoring tool
8. Shock: definition and diagnosis
9. DO_2/VO_2 relationship
10. SvO_2 and $ScvO_2$ monitoring
11. How to interpret lactate levels
12. Carbon dioxide gap
13. The fluid challenge
14. Assessment of fluid responsiveness
15. Optimal vasopressor therapy
16. Inotropic therapy: when and how
17. How to assess tissue perfusion
18. How to assess the microcirculation at the bedside
19. The microcirculation: how important is it?
20. How to assess cellular oxygenation
21. How to assess renal hemodynamics
22. How to assess splanchnic hemodynamics
23. How to assess cerebral hemodynamics
24. Hemodynamic optimization in high risk surgery
25. Hemodynamic optimization in sepsis
26. Hemodynamic optimization in ARDS
27. Hemodynamic optimization during ECMO