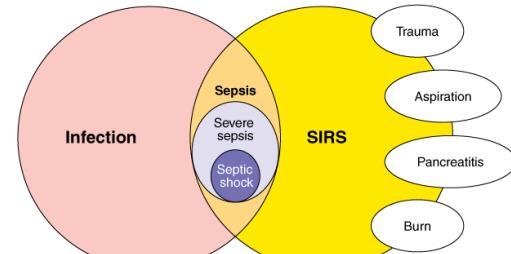


Pediatric Septic Shock Resuscitation: Taking out the Goals?

Antonius H. Pudjiadi



Antonius Pudjiadi 2019



Source: Brunicardi FC, Andersen DK, Billiar TR, Dunn DL, Hunter JG, Matthews JB, Pollock RE; Schwartz's Principles of Surgery, 9th Edition; <http://www.accessmedicine.com>
Copyright © The McGraw-Hill Companies, Inc. All rights reserved.

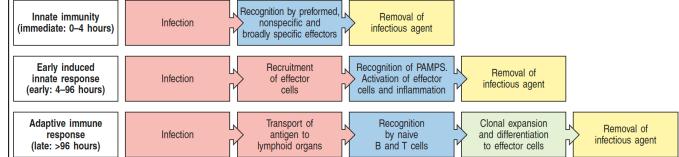
AntoniusPudjiadi 2019

The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3)

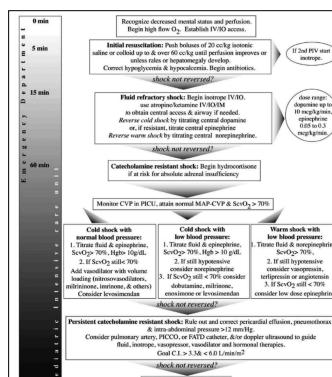
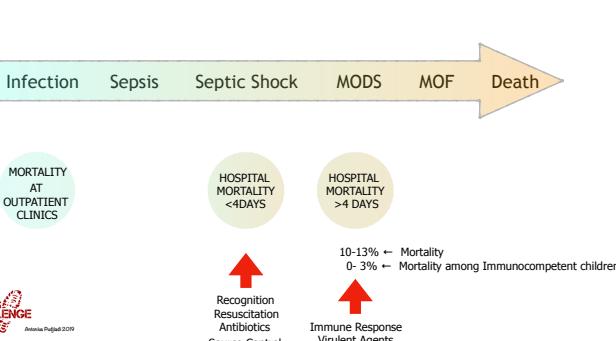
Definition of Sepsis

Sepsis is defined as life-threatening organ dysfunction caused by a dysregulated host response to infection

Singer M, et al. JAMA, 2016;315(8):801-810.



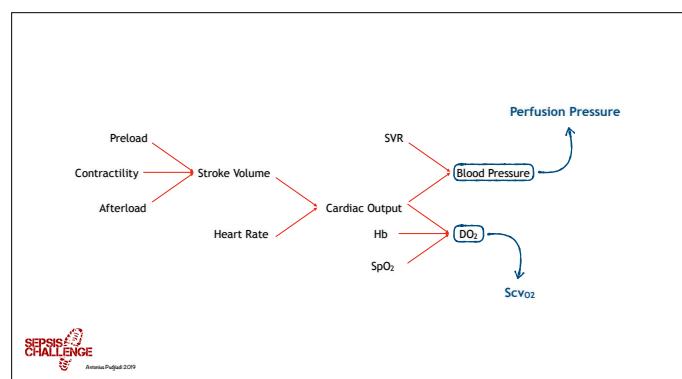
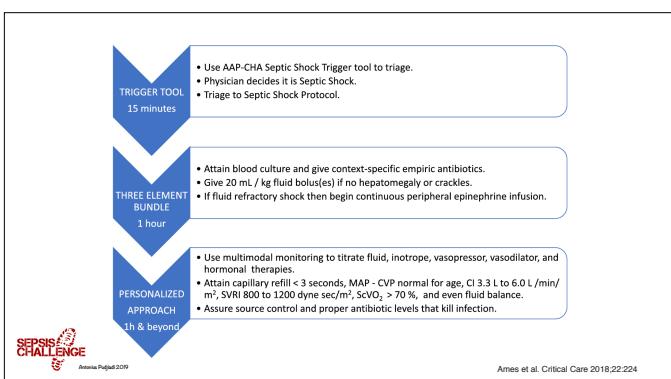
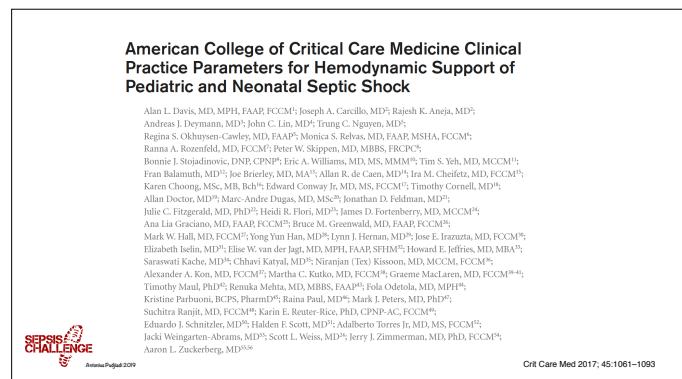
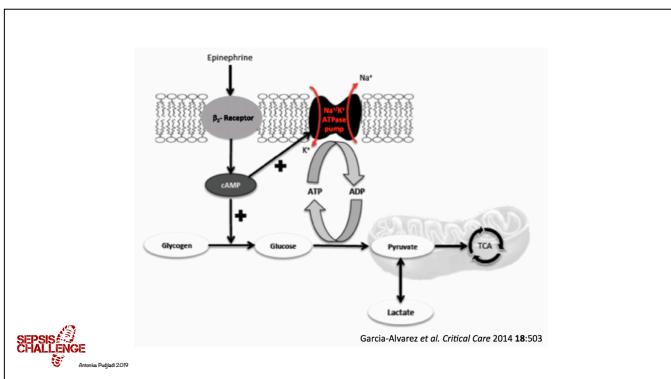
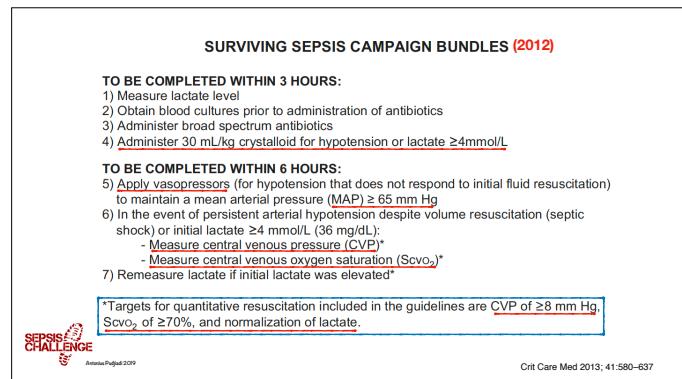
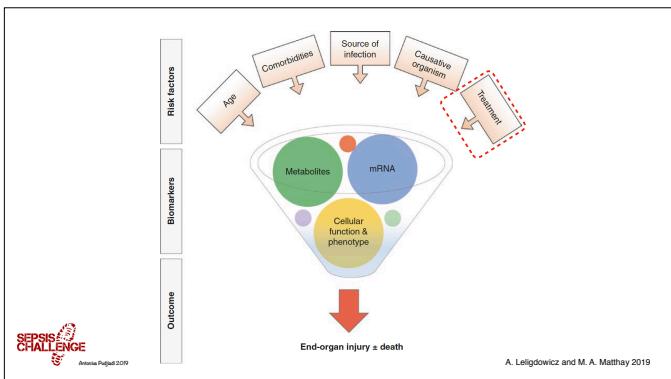
Janeway's Immunobiology, 8th Edition, Garland Science 2012, ISBN-13: 978-0815342434

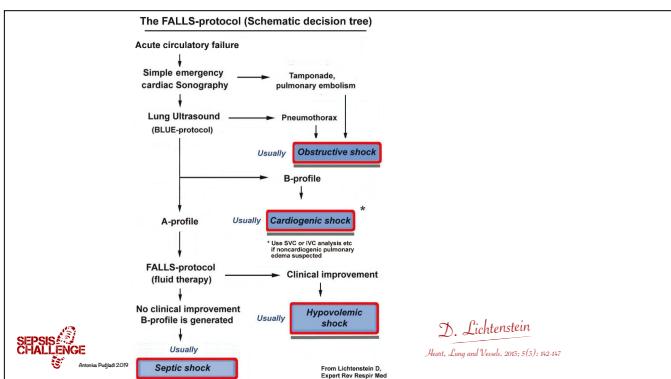
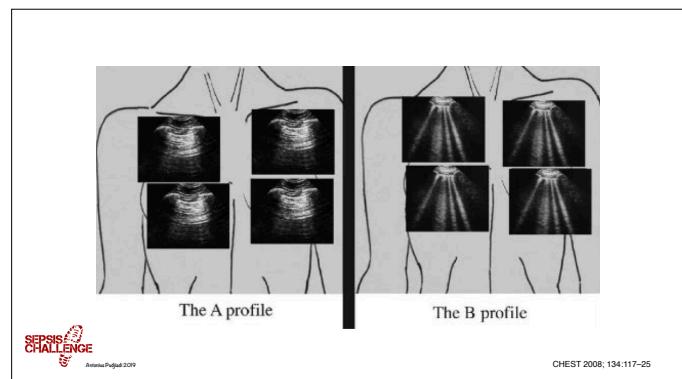
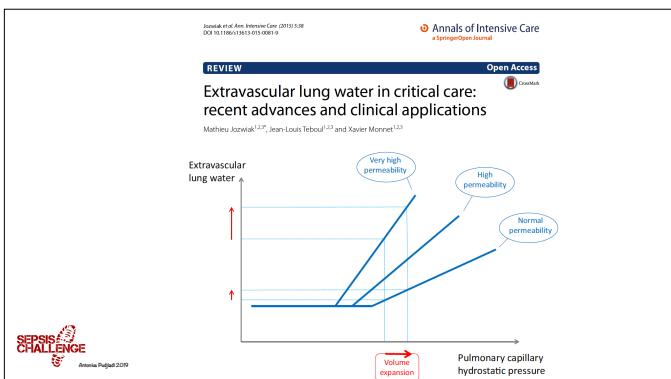
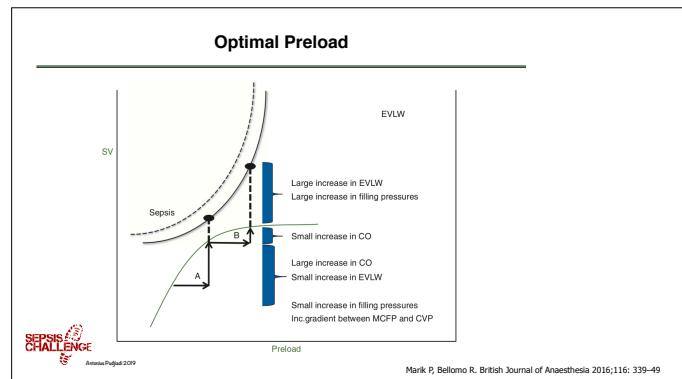
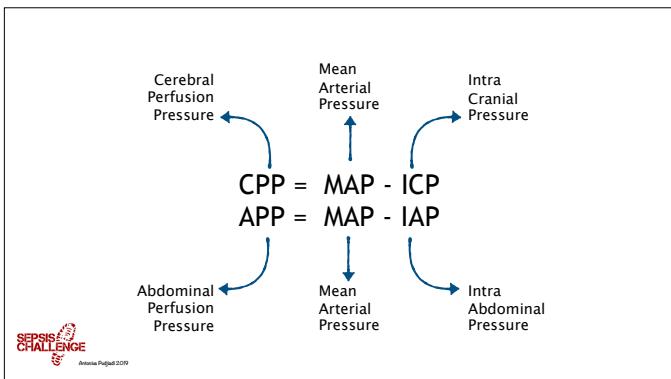


Surviving Sepsis Campaign: International Guidelines for Management of Severe Sepsis and Septic Shock: 2012

R. Philip Dellinger, MD,¹ Mitchell M. Levy, MD,² Andrew M. Rhodes, MD,³ Michael A. Townsend, MD,⁴ David M. Zwanziger, MD,⁵ Andre G. Vincent, MD,⁶ Andrew E. Bernard, MD,⁷ Charles L. Sprung, MD,⁸ David W. Angus, MD,⁹ Daniel C. Angus, MD,¹⁰ Michael J. Bell, MD,¹¹ Michael J. Cohen, MD,¹² Michael J. Coopersmith, MD,¹³ Steven R. Siewers, MD,¹⁴ Mark M. Klmpfel, PhD, RN-CNS,¹⁵ David C. Angus, MD, MPH,¹⁶ Clifford S. Deutschman, MD, MS,¹⁷ Flavia R. Machado, MD, PhD,¹⁸ Gordon M. Bell, MD,¹⁹ Michael J. Bell, MD,²⁰ Michael J. Bell, MD,²¹ Richard J. Beale, MD,²² Steven Louis Vincent, MD, PhD,²³ Paul Moreno, MD, PhD,²⁴ and the Surviving Sepsis Campaign Guidelines Committee including the Pediatric Subgroup²⁵

Crit Care Med 2013; 41:S80-637





Conclusion

- Early antibiotics and adequate resuscitation reduced pediatric sepsis mortality
- A meta-analysis of 44 studies revealed a significant reduction in mortality associated with improved compliance with the sepsis bundle
- Inadequate management influence the phenotype of the patient
- Some new bedside tools are able to give informations on hemodynamic more details than the surviving sepsis campaign goals
- It is suggested to modified of the sepsis bundle according to local situation , followed by an evaluation of the modified bundle

SEPSIS CHALLENGE
Anesthesia Pujol 2019