

CLINICAL SHOCK STATES¹

CHEETAH NICOM & STARLING SV

CLINICAL SHOCK STATES	Parameter	Normal Adult Range ²	Cardiogenic Shock	Septic Shock	Hypovolemic Shock
	BP (MAP)	> 65	↓	↓	↓
	Heart Rate (HR)	60-100	↑	↑	↑
	Cardiac Index (CI)	2.5-4.0 l/min/m ²	↓	early ↑ late ↓	early ↑ late ↓
	Total Peripheral Resistance Index (TPRI)	1970-2390 dynes • sec/cm ⁵ /m ²	↑	↓	↑
Common Stroke Volume Response (Δ SVI) to Dynamic Assessment			Δ SVI <10%	Δ SVI \geq 10%	Δ SVI \geq 10%
Δ SVI \geq 10% Predictive of 15% increase in CO with 500cc ³					
Dynamic Assessments Directly Challenge the Heart with Volume to Measure its Response: Passive Leg Raise (PLR) Maneuver — Translocation of 250-300cc of blood from lower extremities to the heart ⁴ Fluid Bolus Challenge (FB) — Rapid Infusion of 250cc of fluid over 3-5 minutes ⁴					

References: 1. Vincent JL, and De Backer D. Circulatory Shock. N Engl J Med 2013; 369:1726-34. 2. Sramek BB. Systemic Hemodynamics and Hemodynamic Management. 2002; Instantpublisher.com ISBN 1-59196-04600. 3. Cannesson M et al. Assessing the diagnostic accuracy of pulse contour variations for the prediction of fluid responsiveness. Anesthesiology 2011; 115:231-241. 4. Cecconi M et al. What is a fluid challenge? Curr Opin Crit Care 2011; 17:290-29.

DISCLAIMER: This document and all content in it are for general information purposes only and are not intended to be specific medical advice, medical opinion, diagnosis or treatment as applied to any particular patient's condition or situation. Please do not rely on this document or its content as a substitute for the expertise and professional judgment of a physician, pharmacist, nurse, or other healthcare professional. ©Cheetah Medical



Cheetah Medical, Inc.

600 SE Maritime Ave Suite 220, Vancouver, WA 98661 USA
 Toll free: 866.751.9097 • Tel: 360.828-8685 • cheetah-medical.com

Cheetah NICOM and Starling SV are trademarks of Cheetah Medical, Inc.
 ©2016 Cheetah Medical