

1. Record Nr.	UNINA9910349378503321
Titolo	Cardiovascular Hemodynamics : An Introductory Guide // edited by Arman T. Askari, Adrian W. Messerli
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Humana, , 2019
ISBN	3-030-19131-1
Edizione	[2nd ed. 2019.]
Descrizione fisica	1 online resource (403 pages)
Collana	Contemporary Cardiology, , 2196-8969
Disciplina	616.12075
Soggetti	Cardiology Emergency medicine Emergency Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Components of Myocardial Performance -- Chapter 1. Preload -- Chapter 2. Afterload -- Chapter 3. Contractility -- Chapter 4. Cardiac Output -- Part II. Effects of Selected Interventions on CV Hemodynamics -- Chapter 5. Renin Angiotensin Aldosterone Axis Modulators and Other Vasodilators -- Chapter 6. Beta Blockers and Calcium Channel Blockers -- Chapter 7. Pressor Agents, Pure Inotropes, Mixed Function Agents -- Chapter 8. Recently Approved Agents to Improve Outcomes in Heart Failure -- Chapter 9. Invasive Circulatory Support – IABP, IMPELLA, LVAD as Destination Therapy -- Part III. Methods of Hemodynamic Evaluation -- Chapter 10. Key Clinical Findings -- Chapter 11. Echocardiography -- Chapter 12. CT/MRI -- Chapter 13. Non-invasive Hemodynamic Assessment -- Chapter 14. Cardiac Catheterization – RHC/LHC -- Part IV. Specific Hemodynamically Compromised Situations -- Chapter 15. Tamponade -- Chapter 16. Constriction / Restriction -- Chapter 17. Valvular Heart Disease – Including Cases / Issues of TAVR, Mitral Clip -- Chapter 18. Pulmonary Hypertension -- Chapter 19. Acute Decompensated Heart Failure -- Chapter 20. Intracardiac Shunts -- Chapter 21. Shock -- Chapter 22. Intracoronary Hemodynamics.
Sommario/riassunto	The second edition of this key resource provides a broad and fundamental overview of basic cardiovascular (CV) hemodynamic

principles with a focus on clinical assessment of CV physiology. Extensively updated, the book includes new coverage on noninvasive hemodynamic assessment and the effects of selected interventions on CV hemodynamics. It provides an introduction to the basic concepts such as preload, afterload, myocardial contractility, and cardiac output. Subsequent chapters examine the effects of interventions such as vasodilators, beta blockers, pressor agents, inotropes, and different forms of invasive circulatory support. The book also focuses on various methods of hemodynamic evaluation including echocardiography, CT/MRI, noninvasive hemodynamic assessment, and cardiac catheterization. The book concludes with a discussion of proper diagnosis, evaluation, and management of patients using hemodynamic data on a variety of specific disease states. An invaluable contribution to the Contemporary Cardiology Series, the Second Edition of Cardiovascular Hemodynamics: An Introductory Guide is an essential resource for physicians, residents, fellows, medical students, and researchers in cardiology, emergency medicine, critical care, and internal medicine.
