

# CONTENTS

<b>1. The multimodality echografic approach in emergency</b>	<b>1</b>
1.1. Cardiovascular ultrasound in the emergency-urgency: ultrasound anatomy, inferior vena cava, pericardial effusion <i>Stefano Palmeri, Alberto Forni, Alfredo Mauriello, Mario Pacileo, Ercole Tagliamonte</i>	3
1.2. Chest and lung ultrasound in emergency-urgency <i>Biagio Liccardo, Diego D'Arienzo, Fiorella Chiara Delle Femmine, Anna Chiara Maratea, Francesca Martone, Francesco Loffredo</i>	16
1.3. Ultrasound of vessels in emergency-urgency <i>Juri Radmilovic, Raffaele Carluccio, Alfonso Desiderio, Renato Gioia, Aniello Zambrano, Antonello D'Andrea</i>	37
<b>2. Cardiovascular ultrasound in the emergency room: from symptom to diagnosis</b>	<b>55</b>
2.1. Dyspnea/shock and the management of inotropic therapy and congestion <i>Carmen Del Giudice, Dario Fabiani, Adriano Caputo, Antonello D'Andrea, Paolo Trambaiolo</i>	57
2.2. Chest pain: role of echocardiography in emergency. Real life beyond guidelines in the Cath lab <i>Gemma Marrasso, Stefano Palmeri, Massimo Ragni, Fabio Pastore, Aniello Zambrano, Gaetano Quaranta, Antonello D'Andrea</i>	91
2.3. Arrest and peri-arrest <i>Rosangela Cocchia, Teresa Cirillo, Gemma Marrasso, Cristina Savarese, Antonello D'Andrea</i>	101

<b>3. Cardiovascular ultrasound in ICU: from diagnosis to therapy</b>	<b>113</b>
3.1. The heart-lung Relationship in the ventilated patient: the study of the right ventricle and the diaphragm <i>Andreina Carbone, Roberta Bottino, Vincenzo Russo</i>	115
3.2. Ultrasounds in the assistance of invasive procedures: pericardiocentesis and thoracentesis <i>Francesco Sabatella, Fabio Pastore, Gianluca Manzo, Gaetano Quaranta, Antonello D'Andrea</i>	125
3.3. Acute pulmonary embolism: diagnosis and management <i>Gianmaria Scherillo, Enrica Pezzullo, Maria Acitorio, Antonello D'Andrea, Paolo Calabrò, Felice Gragnano, Elisabetta Moscarella, Arturo Cesaro, Ivana Pariggiano, Claudia Concilio, Maria A. Rucco, Enrica Golia</i>	140
3.4. Valvulopathies: what to evaluate urgently <i>Federica Ilardi, Rachele Manzo, Dalila Nappa, Lucia Riegler, Giovanni Esposito</i>	161
3.5. Endocarditis: vegetations and complications <i>Rossella M. Benvenga, Rodolfo Citro</i>	170
3.6. The mechanical complications of infarction <i>Lucia Riegler, Tiziana Miele, Antonello D'Andrea</i>	183
3.7. Acute aortic syndromes: not only aortic dissection <i>Enrico Coscioni, Maria G. Vassallo</i>	201
3.8. Congenital cardiological emergency: cardiac and pulmonary ultrasound in NICU and in the GUCH patient <i>Dionigia Alfano, Rosaria Barracano, Flavia Fusco, Berardo Sarubbi, Giancarlo Scognamiglio</i>	211