

I. Epidemiological Aspects

Front Matter

- 1. Epidemiological Aspects (Prevalence and Risk of Heart Failure Related to Blood Pressure)*

Peter Wohlfahrt, Renata Cífková

II. Mechanisms of Heart Failure in Arterial Hypertension

Front Matter

- 1. Genetics of Hypertension and Heart Failure*

Sandosh Padmanabhan, Alisha Aman, Anna F. Dominiczak

- 2. Blood Pressure Variability and Blood Pressure Load*

Gianfranco Parati, Juan Eugenio Ochoa

- 3. Hemodynamic Mechanisms*

Tatiana Kuznetsova, Nicholas Cauwenberghs

- 4. Neural Mechanisms*

Dagmara Hering, Gino Seravalle, Guido Grassi, Krzysztof Narkiewicz

- 5. Natriuretic Peptides*

Massimo Volpe, Speranza Rubattu

- 6. Renal Mechanisms and Heart Failure*

Bojan Jelaković, Vedran Premužić, Ana Jelaković, Davor Miličić

- 7. Heart Failure and Metabolic Factors*

Peter M. Nilsson, John Molvin, Martin Magnusson

- 8. Role of Central Blood Pressure and Arterial Stiffening*

Stéphane Laurent, Jean-Sébastien Hulot, Pierre Boutouyrie

- 9. Pathophysiology of Hypertensive Heart Disease*

Cesare Cuspidi, Carla Sala, Marijana Tadic, Guido Grassi

III. Diagnosis of Heart Failure in Hypertensive Patients

Front Matter

- 1. Role of Echocardiography*

Silvia Iancovici, Maria Dorobantu

2. *The Additive Value of Cardiovascular Magnetic Resonance Imaging in Hypertensive Heart Disease*

Sebastian Onciul, Peter Swoboda, Sven Plein

3. *Biomarkers*

Maria Dorobantu, Miruna Mihaela Micheu

IV. *Complications of Hypertensive Heart Disease*

Front Matter

1. *Atrial Fibrillation and Other Arrhythmias in Hypertensive Heart Disease*

D. E. Athanasiou, M. S. Kallistratos, L. E. Poulimenos, A. J. Manolis

2. *Arterial Hypertension and Flash Pulmonary Edema*

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