

# European Heart Journal

Volume 45 No. 38 October 2024

## ISSUE @ A GLANCE



Focus on the European Society of Cardiology: Guidelines on hypertension, Atlas of cardiovascular disease statistics, and Consensus statement on obesity

F. Crea

3897

## CardioPulse

Tackling difficult clinical scenarios on cardiovascular disease in the peripartum period: meeting reports from Pregnancy and the Heart Symposia in Cape Town and Mauritius

B. Cupido, S. Bucktowar, and K. Sliwa

3901

The multifaceted impact of warfare on cardiovascular health

R. Kaddoura and M. Al-Hijji

3904

The revolution will be digital: a wake-up call from Helsinki's Radical Health Festival

J. Ozkan

3908

## Weekly Journal Scan

Weekly Journal Scan: improved renal outcomes by semaglutide in patients with chronic kidney disease and type 2 diabetes in FLOW trial

D. Pedicino and M. Volpe

3910

## ESC GUIDELINES

2024 ESC Guidelines for the management of elevated blood pressure and hypertension

Authors/Task Force Members: J.W. McEvoy, (Chairperson) (Ireland), C.P. McCarthy, (Task Force Co-ordinator) (United States of America), R.M. Bruno, (Task Force Co-ordinator) (France), S. Brouwers (Belgium), M.D. Canavan (Ireland), C. Ceconi (Italy), R.M. Christodorescu (Romania), S.S. Daskalopoulou (Canada), C.J. Ferro (United Kingdom), E. Gerdts (Norway), H. Hanssen (Switzerland), J. Harris (United Kingdom), L. Lauder (Switzerland/Germany), R.J. McManus (United Kingdom), G.J. Molloy (Ireland), K. Rahimi (United Kingdom), V. Regitz-Zagrosek (Germany), G.P. Rossi (Italy), E.C. Sandset (Norway), B. Scheenaerts (Belgium), J.A. Staessen (Belgium), I. Uchmanowicz (Poland), M. Volterrani (Italy), R.M. Touyz, (Chairperson) (Canada), and ESC Scientific Document Group

3912

## FOCUS ISSUE ON HYPERTENSION AND EPIDEMIOLOGY, PREVENTION, AND HEALTHCARE POLICIES

## SPECIAL ARTICLES

### European Society of Cardiology: the 2023 Atlas of Cardiovascular Disease Statistics

A. Timmis, V. Aboyans, P. Vardas, N. Townsend, A. Torbica, M. Kavousi, G. Borhani, R. Huculeci, D. Kazakiewicz, D. Scherr, E. Karagiannidis, M. Cvijic, A. Kapton-Cieślicka, B. Ignatiuk, P. Raatikainen, D. De Smedt, A. Wood, D. Dudek, E. Van Belle, and F. Weidinger

4019

### Obesity and cardiovascular disease: an ESC clinical consensus statement

K.C. Koskinas, E.M. Van Craenenbroeck, C. Antoniades, M. Blüher, T.M. Gorter, H. Hanssen, N. Marx, T.A. McDonagh, G. Mingrone, A. Rosengren, E.B. Prescott, and the ESC Scientific Document Group

4063

## STATE OF THE ART REVIEW



### Micro-nanoplastics and cardiovascular diseases: evidence and perspectives

F. Prattichizzo, A. Ceriello, V. Pellegrini, R. La Grotta, L. Graciotti, F. Olivieri, P. Paolisso, B. D'Agostino, P. Iovino, M.L. Balestrieri, S. Rajagopalan, P.J. Landrigan, R. Marfella, and G. Paolisso

4099

## FAST TRACK – CLINICAL RESEARCH



### Pre-existing maternal cardiovascular disease and the risk of offspring cardiovascular disease from infancy to early adulthood

M.Z. Hossin, K. Kazamia, J. Faxén, A. Rudolph, K. Johansson, A. Sandström, and N. Razaz

4111

-  **Semaglutide and blood pressure: an individual patient data meta-analysis**  
C. Kennedy, P. Hayes, A.F.G. Cicero, S. Dobner, C.W. Le Roux, J.W. McEvoy, L. Zgaga, and M. Hennessy **4124**

- Editorial**  
**Quantifying antihypertensive effects of GLP-1 agonists**  
J.B. Cohen and A.P. Bress **4135**

## CARDIOVASCULAR FLASHLIGHTS

- A very rare complication of transcatheter aortic valve replacement  
L. Bai, Y. Feng, and M. Chen **4138**
- Forme fruste unicuspид aortic valves  
J. Jahanyar, L. de Kerchove, and G. El Khoury **4139**

## CORRECTION

-  **Correction to:** Bleeding risk prediction after acute myocardial infarction-integrating cancer data:  
the updated PRECISE-DAPT cancer score **4110**

 This paper is Editor's Choice and is available free online at <https://academic.oup.com/eurheartj>

 Open Access Paper

 For the podcast associated with this article, please visit <https://academic.oup.com/eurheartj/pages/Podcasts>



[www.eurheartj.org](http://www.eurheartj.org)