

### ISSUE @ A GLANCE



A revolution in diabetes care: novel drugs and new recommendations

T.F. Lüscher

195

### CardioPulse

Vera Regitz-Zagrosek MD PhD

A. Tofield

199

Animals in cardiovascular research

N. Cesarovic, M. Lipski, V. Falk, and M.Y. Emmert

200

The Fourth European-South African Cardiovascular Research Workshop

S. Lecour, D.J. Hausenloy, and R. Madonna

203

Cardiology care delivered to cancer patients

R. Asteggiano, V. Aboyans, G. Lee, S. Salinger, and D. Richter

205

IRIS courses for cardiology

L. Bacharova, D. Komarova, and A. Böhm

207

New EJH International Editorial Board Member

208

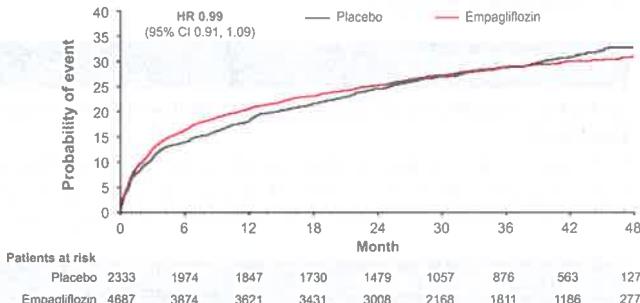
### FAST TRACK CLINICAL RESEARCH

#### Disease management

Relationship between hypoglycaemia, cardiovascular outcomes, and empagliflozin treatment in the EMPA-REG OUTCOME® trial

D. Fitchett, S.E. Inzucchi, C. Wanner, M. Mattheus, J.T. George, O. Vedin, B. Zinman, and O.E. Johansen; on behalf of the EMPA-REG Outcome® Trial Investigators

209



#### Editorial

A new perspective on lowering CV risk from hypoglycaemia

C. Solis-Herrera, O. Sheikh, and R. Chilton

218

### CLINICAL RESEARCH

#### Vascular medicine

Body mass index and body composition in relation to 14 cardiovascular conditions in UK Biobank: a Mendelian randomization study

S.C. Larsson, M. Bäck, J.M.B. Rees, A.M. Mason, and S. Burgess

221

#### Editorial

Obesity causes cardiovascular diseases: adding to the weight of evidence

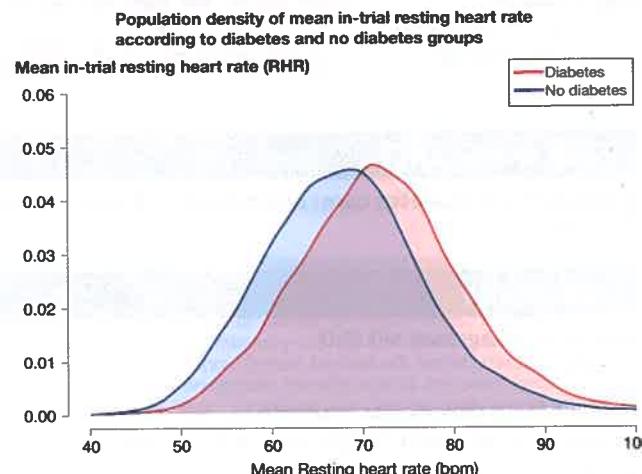
A.D. Hingorani, C. Finan, and A.F. Schmidt

227

## Prevention and epidemiology

Resting heart rate and cardiovascular outcomes in diabetic and non-diabetic individuals at high cardiovascular risk analysis from the ONTARGET/TRANSCEND trials  
M. Böhm, H. Schumacher, K.K. Teo, E.M. Lonn, F. Mahfoud, C. Ukena, J.F.E. Mann, G. Mancia, J. Redon, R.E. Schmieder, K. Sliwa, N. Marx, M.A. Weber, B. Williams, and S. Yusuf

231



## BASIC SCIENCE

### Lipids

**3** Cyclase-associated protein 1 is a binding partner of proprotein convertase subtilisin/kexin type-9 and is required for the degradation of low-density lipoprotein receptors by proprotein convertase subtilisin/kexin type-9

H.-D. Jang, S.E. Lee, J. Yang, H.-C. Lee, D. Shin, H. Lee, J. Lee, S. Jin, S. Kim, S.J. Lee, J. You, H.-W. Park, K.-Y. Nam, S.-H. Lee, S.W. Park, J.-S. Kim, S.-Y. Kim, Y.-W. Kwon, S.H. Kwak, H.-M. Yang, and H.-S. Kim

239

### Editorial

A tip of the CAP1 to cholesterol metabolism

J.S. Dron and R.A. Hegele

253

## ESC GUIDELINES

2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD

F. Cosentino, P.J. Grant, V. Aboyans, C.J. Bailey, A. Ceriello, V. Delgado, M. Federici, G. Filippatos, D.E. Grobbee, T.B. Hansen, H.V. Huikuri, I. Johansson, P. Jüni, M. Lettino, N. Marx, L.G. Mellbin, C.J. Östgren, B. Rocca, M. Roffi, N. Sattar, P.M. Seferović, M. Sousa-Uva, P. Valensi, and D.C. Wheeler

255

## DISCUSSION FORUM

The possible role of insulin and glucagon in patients with heart failure and Type 2 diabetes

M. Skelin, M. Lucijanic, and E. Javor

325

Response to 'The possible role of insulin and glucagon in patients with heart failure and Type 2 diabetes'

E. Bertero, V. Sequeira, S. Heymans, and C. Maack

326

Comments on the 2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases

A. Jorsal, F. Persson, and J.M. Bruun

328

Compelling evidence for SGLT2 inhibitors and GLP-1 receptor agonists as first-line therapy in patients with diabetes at very high/high cardiovascular risk

N. Marx, P.J. Grant, and F. Cosentino

329

Treatment algorithm in patients with type 2 diabetes and atherosclerotic cardiovascular disease or high/very high cardiovascular risk

G. Targher and C.D. Byrne

331

## CARDIOVASCULAR FLASHLIGHTS

**Amphetamine-induced coronary artery dissection and massive aortic valve thrombus**

*M. Eberhard, M. Hermann, B.E. Stähli, R. Manka, F. Maisano, and H. Alkadhi*

230

**Complete regression of coronary atherosclerosis**

*H.S. Lee, M. Chang, M. Piccinelli, and B.-K. Koo*

332

 Open Access Paper



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



Visit EHJ's mobile site

<https://academic.oup.com/eurheartj>



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