

European Heart Journal

Volume 46 No. 35 September 2025

ISSUE @ A GLANCE



Genes, long non-coding RNAs, and nucleic-acid based therapies: how genetics is changing the present and future of cardiovascular diseases

F. Crea

3393

CardioPulse

Uniting for heart failure awareness in Syria

A. Abdin, N. Sawan, and A. Katbeh

3398

The foundation and development of China's National Basic Science Center for panvascular interventional complex systems: pioneering device-vessel *suitcordance* research

L. You, L. Shen, and J. Ge

3400

The congenital heart universe: highlights from Naples EuroACHD 2025

G. Scognamiglio, M. Brida, and B. Sarubbi; on behalf of the EUROACHD 2025 Organizing Committee

3404

FOCUS ISSUE ON ARRHYTHMIAS AND GENETICS

STATE OF THE ART REVIEW

Physiological pacing: mechanisms, clinical indications, and perspectives

Z. Whinnett, A. Naraen, P. Vijayaraman, J.G.F. Cleland, and D. Keene

3407

Gene therapy and genome editing for lipoprotein disorders

C. Gurevitz, A. Bajaj, A.V. Khera, R. Do, H. Schunkert, K. Musunuru, and R.S. Rosenson

3420

VIEWPOINT

Missing 'Incs': how insufficient scrutiny can lead to misrepresentation of long non-coding RNAs (lncRNAs) and their function in cardiovascular disease

M. Bennett, I. Ulitsky, and A.H. Baker

3434

CLINICAL RESEARCH

Atrial amyloidosis identified by biopsy in atrial fibrillation: prevalence and clinical presentation

K. Shinzato, Y. Takahashi, T. Yamaguchi, T. Otsubo, K. Nakashima, G. Yoshioka, K. Yokoi, K. Tsuruta, R. Osako, S. Shichida, Y. Nishimura, M. Edayoshi, Y. Kawano, Y. Shintani-Domoto, K. Miyazaki, A. Fukui, A. Kawaguchi, S. Aoki, S. Nomura, N. Takahashi, K. Ito, and K. Node

3437

Editorial

Diagnosis of early-stage cardiac amyloidosis: is atrial biopsy a new opportunity?

A. Saljic, A. Niskala, and T. Jespersen

3450

Long QT syndrome in children and adolescents: risk factors and outcomes in a large German cohort

L. Lippert, T. Burkard, F. Markel, V. Debus, F. Stute, A. Kamphues, R. Dalla Pozza, S. Rupp, M.B. Gonzalez y Gonzalez, C. Junge, M. Kanaan, K. Hoff, A. Hanser, S. Dittmann, D.S. Westphal, S. Clauß, S. Kessner, M.-P. Hitz, K. Becker, S. Käab, P. Ewert, M. Hofbeck, W. Wällisch, S. Dittrich, A. Uebing, S. Neumann, J.-H. Nürnberg, J. Hebe, R. Kozlik-Feldmann, P. Beerbaum, G. Kerst, H.-G. Kehl, E. Schulze-Bahr, R. Gebauer, G. Hessling, and C.M. Wolf

3453

Editorial

Are long QT syndrome patients managed differently in different countries?

P.J. Schwartz and C. Spazzolini

3467



TRANSLATIONAL SCIENCE

Endothelial plasticity in atrial fibrosis by integrating single-cell sequencing and genetic lineage tracing
Z. Zeng, X. Wang, J. Pei, P. Wang, J. Li, F. Li, J. Wang, Y. Zhao, C. Yu, H. Liu, and Z. Zheng 3470

Editorial

Endothelial plasticity and fibrosis in atrial fibrillation: reframing the therapeutic landscape for targeted interventions
G. Luxán and S. Sossalla 3483

Gain-of-function enhancer variant near *KCNB1* causes familial ST-depression syndrome

A.H. Christensen, G. Pan, R.L. Marvig, F.G. Rodriguez Gonzalez, C.R. Vissing, E. Silajdzija, R. Frosted, E.G. Girma, M. Gabrielaite, H.K. Jensen, K. Rossing, F.L. Henriksen, N.C.F. Sandgaard, G. Ahlberg, J. Ghouse, P.R. Lundegaard, J. Weischenfeldt, C. Wadelius, and H. Bundgaard 3486

Editorial

KCNB1: a new player among the suspects of cardiogenetic arrhythmias
K.H. Haugaa and I. Haby 3498

DISCUSSION FORUM

Gender-specific associations and circulating proteins in myocardial infarction: potential causal relationships
Y. Xu, T. Feng, and Y. Huang 3501

Circulating proteins and incident myocardial infarction: appraising sex-specific differences and causality
O.E. Titova, S. Yuan, L. Byberg, J.A. Baron, L. Lind, K. Michaëlsson, and S.C. Larsson 3502

CARDIOVASCULAR FLASHLIGHTS

Cardiac myxoma 2 years after transcatheter closure of a patent foramen ovale
Y. Wang, J. Han, and X. Zhang 3504

WEEKLY JOURNAL SCAN

Weekly Journal Scan: The ESSENCE of metabolic risk: targeting metabolic dysfunction-associated steatohepatitis with semaglutide
G. Liuzzo and C. Patrono 3505



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