

European Heart Journal

Volume 46 No. 45 December 2025

ISSUE @ A GLANCE



Atherothrombosis: its mechanisms and novel targets

F. Crea

4849

BRAUNWALD'S CORNER

The management of heart failure: a brief look into the future

E. Braunwald

4855

CardioPulse

Enhanced education to improve aortic stenosis patient pathways: the AortiCare programme

C. Orr, F. Praz, B.H. Kirk, and AortiCare Organising Committee and Taskforce

4857

Artificial intelligence in cardiac imaging: the future is now

J. Ozkan

4860

FOCUS ISSUE ON VASCULAR BIOLOGY AND MEDICINE AND BRAIN HEALTH

STATE OF THE ART REVIEW



Smooth muscle cells in atherosclerosis: essential but overlooked translational perspectives

P. Azar, K.-U. Jarr, D. Gomez, H.F. Jørgensen, N.J. Leeper, and M.-L. Bochaton-Piallat

4862

Medial arterial calcification in ageing and disease: current evidence and knowledge gaps

P. Lanzer, L. Schurgers, A. Twarda-Clapa, R. Ferraresi, H. Hui, A. Kamenskiy, Y. Chen, T. Hamana, P.-W. Fok, Á. Millán, R. Virmani, and C. St. Hilaire

4876

FAST TRACK - CLINICAL RESEARCH

Reticulated platelets in coronary artery disease: a multidimensional approach unveils prothrombotic signalling and novel therapeutic targets

K. Kirmes, J. Han, M. Klug, C.J. Bloxham, O. Babyak, J. Bennett, L. Arend, Q. Manz, L. Raka, L. Schwartz, M. Hoffmann, M. Rosenbaum, J. Ruland, O.-A. Ciara, Z. Louadi, O. Tsoy, K. Newaz, J. Modica, C. Conca Dioguardi, C. Peano, M. Müller, D. Santovito, G. Viggiani, S. Kühne, M. von Scheidt, L. Nicolai, T. Wu, J. Baumbach, M. Chiarito, K.-L. Laugwitz, G. Condorelli, P.W.J. Raake, M. List, I. Bernlochner, and D. Bongiovanni

4901

Editorial

The silent saboteurs: reticulated platelets in coronary artery disease

H.E. Park and S.J. Cameron

4918

CLINICAL RESEARCH



Acute pulmonary embolism: a multimarker calculator to predict short-term outcomes

D. Jiménez, Á. Dubois-Silva, P. Demelo-Rodríguez, P. Ruiz-Artacho, J.J. López-Núñez, J. Moisés, A. Muriel, A. Bura-Riviere, I. Mahé, G. Barillari, B. Bikdeli, M. Monreal, and the RIETE Investigators

4921

Editorial

Risk in acute pulmonary embolism: how can we estimate it RIGHT?

I.M. Lang

4930

TRANSLATIONAL SCIENCE

- Nuclear receptor Dax1 promotes atherosclerosis by lipid transport inhibition and autophagy suppression in macrophages**
F. Li, Y. Wang, S. Chen, J. Liu, X. Wu, Y. Maimati, F. Ding, X. Wang, Y. Shen, Q. Chen, Y. Li, W. Shen, R. Zhang, Y. Dai, and L. Lu **4933**
- Editorial**
Dual targeting of atherosclerosis-relevant nuclear receptors: double-edged sword or killing two birds with one stone?
M.B. Lorey and K. Öörni **4950**
- Deletion of METTL14, a key methylation regulator, attenuates vascular ageing**
X. Liu, H. Liu, Y. Lin, H. Lou, J. Feng, X. Sun, J. Wang, X. Dong, L. Liu, Z. Sun, Z. Dou, L. Wang, R. Xu, T. Zhao, Q. Huang, W. Zhao, Y. Hao, L. Zhao, B. Yang, and Y. Zhang **4953**
- The macrophage-derived motor protein KIF13B enhances MERTK-mediated efferocytosis and prevents atherosclerosis in mice**
Y. Xu, J. Chen, Y. Liu, G. Zhang, G. Miao, J. Wu, K. Lu, Y. Zhao, W. Zhang, L. Zheng, L. Zhang, J. Chen, Z. Zhou, Y. Han, P. Lai, J. Guo, D. Wu, S. Mei, L. Zhang, Y. Zhao, W. Huang, Y. Wang, J. Tang, D. Zhao, and X. Xian **4969**
- Editorial**
The atherosclerosis-cancer axis: the shared immunotherapeutic potential of CBL inhibition
K.-U. Jarr, L. Luo, and N.J. Leeper **4985**
- Excessive glycosylation drives thoracic aortic aneurysm formation through integrated stress response**
A. Rochano-Ortiz, I. San Sebastián-Jaraba, C. Zamora, C. Simó, V. García-Cañas, S. Martínez-Albaladejo, M.J. Fernández-Gómez, D. Marcos-Ríos, P. Martínez-Núñez, M. Martín-Lorenzo, T.R. Velho, M.J. Ruiz-Rodríguez, A. Leal-Zafra, E. Gabandé-Rodríguez, S. Martínez-Martínez, A. Guala, Ó. Lorenzo, L.M. Blanco-Colio, J.L. Martín-Ventura, G. Álvarez-Llamas, G. Aldamiz-Echevarría, G. Teixidó-Tura, A. Forteza, J.F. Nistal, J.M. Redondo, N. Méndez-Barbero, M. Mittelbrunn, and J. Oller **4988**
- Editorial**
Sugar, stress, and the arterial wall: a metabolic link in aortic aneurysms
F. Kirchhoff and L. Maegdefessel **5006**

DISCUSSION FORUM

- A critical examination of methodological limitations to diagnose infective native aortic aneurysms**
K. Sörelíus and T.R. Wyss **5009**
- Beyond the immediate light: reappraising open surgery for long-term outcomes in infected native aortic aneurysms**
F.-C. Chang and S.-W. Chen **5011**

CARDIOVASCULAR FLASHLIGHTS

- Rare rupture at right-noncoronary commissure in giant sinus of Valsalva pseudoaneurysm with preserved valve function**
B. Xun, H. Gao, and J. Shi **5013**
- An unexpected secondary iliac-enteric fistula after endovascular repair of a tuberculous-infected iliac pseudoaneurysm**
J. Li, M. Li, and C. Shu **5014**

WEEKLY JOURNAL SCAN

- Weekly Journal Scan: REDEFINING the next generation of obesity pharmacotherapy**
G. Liuzzo and C. Patrono **5015**

CORRECTIONS

- Correction to: Low-density lipoprotein cholesterol, lipoprotein(a) and high-sensitivity C-reactive protein are independent predictors of cardiovascular events** **4932**

Correction to: 2024 ESC Guidelines for the management of elevated blood pressure and hypertension: Developed by the task force on the management of elevated blood pressure and hypertension of the European Society of Cardiology (ESC) and endorsed by the European Society of Endocrinology (ESE) and the European Stroke Organisation (ESO)

4949



Correction to: Accelerated vascular ageing after COVID-19 infection: the CARTESIAN study

4984



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>

