

ISSUE @ A GLANCE

-  **Chronic coronary syndromes: expanding the spectrum and natural history of ischaemic heart disease**
T.F. Lüscher 333

CardioPulse

- André F. Cournand for cardiac catheterization
M. Nicholls 337
- The British Cardiovascular Society
S. Ray 338
- Bernhard Meier MD FACC FESC
J. Ozkan 340
- An App for complex PCI solutions
M. Iannaccone, E.S. Brilakis, and G.G. Boccuzzi 342
- The COST Action VascAgeNet 345
- Recently appointed EHJ International Editorial Board Member 346

FAST TRACK CLINICAL RESEARCH

Coronary artery disease

-  **Long-term outcomes of chronic coronary syndrome worldwide: insights from the international CLARIFY registry**
E. Sorbets, K.M. Fox, Y. Elbez, N. Danchin, P. Dorian, R. Ferrari, I. Ford, N. Greenlaw, P.R. Kalra, Z. Parma, S. Shalnova, J.-C. Tardif, M. Tendera, J.L. Zamorano, E. Vidal-Petiot, and P.G. Steg; on behalf of the CLARIFY investigators 347

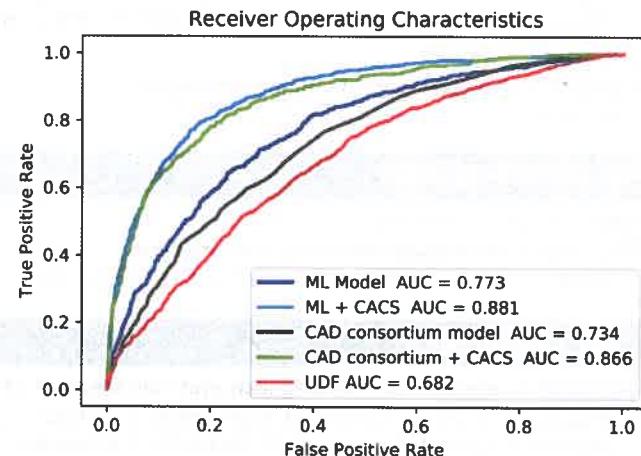
Editorial

- How should we manage risks associated with chronic coronary syndromes?**
U. Sechtem and P. Ong 356

CLINICAL RESEARCH

Coronary artery disease

- Machine learning of clinical variables and coronary artery calcium scoring for the prediction of obstructive coronary artery disease on coronary computed tomography angiography: analysis from the CONFIRM registry**
S.J. Al'Aref, G. Maliakal, G. Singh, A.R. van Rosendael, X. Ma, Z. Xu, O.A.H. Alawamlih, B. Lee, M. Pandey, S. Achenbach, M.H. Al-Mallah, D. Andreini, J.J. Bax, D.S. Berman, M.J. Budoff, F. Cademartiri, T.Q. Callister, H.-J. Chang, K. Chinnaiyan, B.J.W. Chow, R.C. Cury, A. DeLago, G. Feuchtner, M. Hadamitzky, J. Hausleiter, P.A. Kaufmann, Y.-J. Kim, J.A. Leipsic, E. Maffei, H. Marques, P. de Araújo Gonçalves, G. Pontone, G.L. Raff, R. Rubinshtein, T.C. Villines, H. Gransar, Y. Lu, E.C. Jones, J.M. Peña, F.Y. Lin, J.K. Min, and L.J. Shaw 359



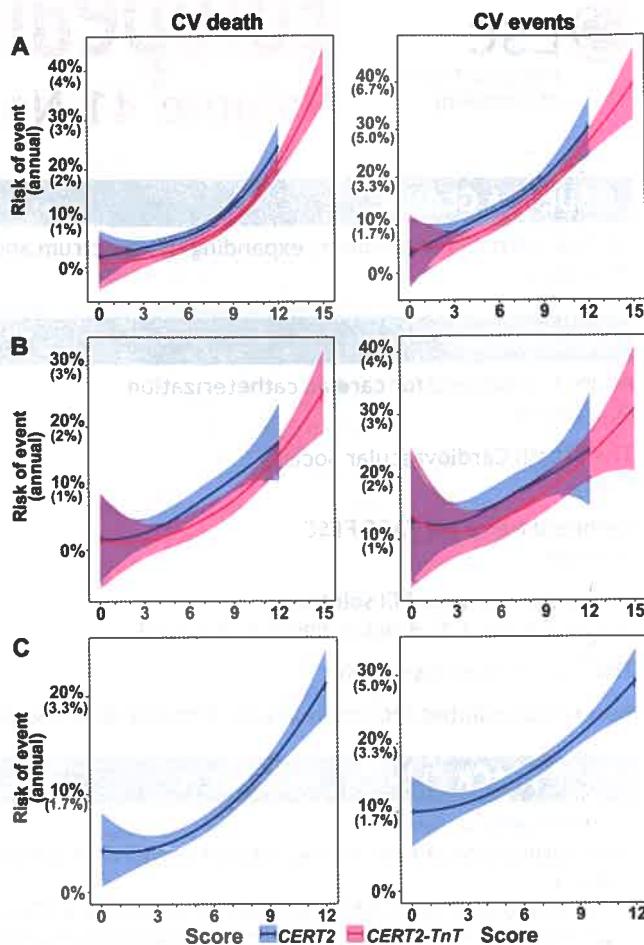
Editorial

- Solving coronary risk: time to feed machines some calcium (score) supplements**
P.P. Sengupta, S. Shrestha, and I. Zeb 368

Development and validation of a ceramide- and phospholipid-based cardiovascular risk estimation score for coronary artery disease patients

M. Hilvo, P.J. Meikle, E.R. Pedersen, G.S. Tell, I. Dhar, H. Brenner, B. Schöttker, M. Lääperi, D. Kauhanen, K.M. Koistinen, A. Jylhä, K. Huynh, N.A. Mellett, A.M. Tonkin, D.R. Sullivan, J. Simes, P. Nestel, W. Koenig, D. Rothenbacher, O. Nygård, and R. Laaksonen

371



Editorial

Risky lipids: refining the ceramide score that measures cardiovascular health

A.M. Poss, W.L. Holland, and S.A. Summers

381

Relationship between coronary plaque morphology of the left anterior descending artery and 12 months clinical outcome: the CLIMA study

F. Prati, E. Romagnoli, L. Gatto, A. La Manna, F. Burzotta, Y. Ozaki, V. Marco, A. Boi, M. Fineschi, F. Fabbiocchi, N. Taglieri, G. Niccoli, C. Trani, F. Versaci, G. Calligaris, G. Ruscica, A. Di Giorgio, R. Vergallo, M. Albertucci, G. Biondi-Zoccai, C. Tamburino, F. Crea, F. Alfonso, and E. Arbustini; on behalf of CLIMA Investigators

383

Editorial

Pursuit for the detection of vulnerable plaque

I.-K. Jang

392

CURRENT OPINION

Interventional cardiology

The year in cardiology: coronary interventions

A. Baumbach, C.V. Bourantas, P.W. Serruyts, and W. Wijns

394

ESC GUIDELINES

2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes

J. Knuuti, W. Wijns, A. Saraste, D. Capodanno, E. Barbato, C. Funck-Brentano, E. Prescott, R.F. Storey, C. Deaton, T. Cuisset, S. Agewall, K. Dickstein, T. Edvardsen, J. Escaned, B.J. Gersh, P. Svilil, M. Gilard, D. Hasdai, R. Hatala, F. Mahfoud, J. Masip, C. Muneretto, M. Valgimigli, S. Achenbach, and J.J. Bax

407

DISCUSSION FORUM

Beta blockers, calcium channel blockers, and long-acting nitrates for patients with stable angina and low blood pressure levels: should this recommendation be reconsidered?

M.S. Kallistratos, L.E. Poulimenos, and A.J. Manolis

479

Anti-ischaemic medication must be adapted to each patient's characteristics and preferences in patients with chronic coronary syndromes

J. Knuuti, W. Wijns, and C. Funck-Brentano

480

Aspirin desensitization procedures in aspirin intolerant patients: a neglected topic in the ESC 2019 Chronic Coronary Syndrome guidelines

M. Bianco, R. Rossini, E. Cerrato, F. Varbella, and L. Montagna

482

Intolerance to aspirin in patients undergoing percutaneous coronary intervention in the setting of chronic coronary syndromes: perspectives from the ESC 2019 Chronic Coronary Syndromes guidelines

R.F. Storey, M. Valgimigli, T. Cuisset, D. Capodanno, W. Wijns, and J. Knuuti

483

CARDIOVASCULAR FLASHLIGHT

Intravascular lithotripsy for treatment of stent underexpansion secondary to severe coronary calcification

Z.A. Ali, M. McEntegart, J.M. Hill, and J.C. Spratt

485

CORRIGENDUM

Corrigendum to: Relationship between coronary plaque morphology of the left anterior descending artery and 12 months clinical outcome: the CLIMA study

393

 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