

ISSUE @ A GLANCE

 **Frontiers in cardiovascular computed tomography: FFRCT, CT/PET, and radiation exposure**
T.F. Lüscher 3675

CardioPulse

Barbara Casadei, the new ESC president, outlines her vision
J. Taylor 3679

ESC involving patients: purpose & priorities
R. Wattel 3681

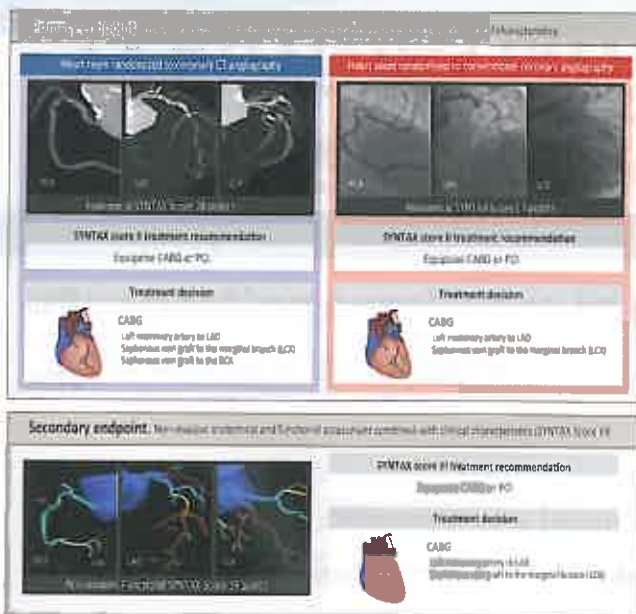
Emerging applications of coronary CT angiography in coronary heart disease: Getting better with time
Y.A. Elnabawi, A.K. Dey, and N.N. Mehta 3682

Intravascular optical coherence tomography
G.J. Tearney 3685

Operators of diagnostic coronary angiography
A. Kalra, M.J. Lacey, and H.G. Bezerra 3687

FAST TRACK CLINICAL RESEARCH

Imaging



Coronary computed tomography angiography for heart team decision-making in multivessel coronary artery disease

C. Collet, Y. Onuma, D. Andreini, J. Sonck, G. Pompilio, S. Mushtaq, M. La Meir, Y. Miyazaki, J. de Mey, O. Gaemperli, A. Ouda, J.P. Maureira, D. Mandry, E. Camenzind, L. Macron, T. Doenst, U. Teichgräber, H. Sigusch, T. Asano, Y. Katagiri, M.-a. Morel, W. Lindeboom, G. Pontone, T.F. Lüscher, A.L. Bartorelli, and P.W. Serruys; for the SYNTAX III REVOLUTION investigators

3689

Editorial

Is it time to replace conventional angiography with coronary computed tomography?

A. Colombo and F. Giannini

3699



Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: lessons from the ADVANCE Registry

T.A. Fairbairn, K. Nieman, T. Akasaka, B.L. Nørgaard, D.S. Berman, G. Raff, L.M. Hurwitz-Koweek, G. Pontone, T. Kawasaki, N.P. Sand, J.M. Jensen, T. Amano, M. Poon, K. Øvrehus, J. Sonck, M. Rabbat, S. Mullen, B. De Bruyne, C. Rogers, H. Matsuo, J.J. Bax, J. Leipsic, and M.R. Patel

3701

Editorial

Can CT-derived FFR better inform clinical decision-making and improve outcomes in stable ischaemic heart disease?

T.C. Villines

3712

Reduction in radiation exposure in cardiovascular computed tomography imaging: results from the PROspective multicenter registry on radiaTion dose Estimates of cardiac CT angiOgraphy in daily practice in 2017 (PROTECTION VI)

T.J. Stocker, S. Deseive, J. Leipsic, M. Hadamitzky, M.Y. Chen, R. Rubinshtein, M. Heckner, J.J. Bax, X.-M. Fang, E. Grove, J. Lesser, P. Maurovich-Horvat, J. Otton, S. Shin, G. Pontone, H. Marques, B. Chow, C.H. Nomura, R. Tabbalat, A. Schmermund, J.-W. Kang, C. Naoum, M. Atkins, E. Martuscelli, S. Massberg, and J. Hausleiter; for the PROTECTION VI investigators

3715

Editorial

Ensuring safety and protecting patients from unnecessary harm

L.J. Shaw and J.K. Min

3724

CLINICAL RESEARCH

Imaging



Sex differences in calcified plaque and long-term cardiovascular mortality: observations from the CAC Consortium

L.J. Shaw, J.K. Min, K. Nasir, J.X. Xie, D.S. Berman, M.D. Miedema, S.P. Whelton, Z.A. Dardari, A. Rozanski, J. Rumberger, C.N. Bairey Merz, M.H. Al-Mallah, M.J. Budoff, and M.J. Blaha

3727

Editorial

Coronary calcium: 'bad news' for men, but even 'worse news' for women?

S. Achenbach

3736

CLINICAL REVIEW

Imaging

¹⁸F-fluorodeoxyglucose positron emission/computed tomography and computed tomography angiography in prosthetic heart valve endocarditis: from guidelines to clinical practice

L.E. Swart, A.M. Scholtens, W. Tanis, K. Nieman, Ad J.J.C. Bogers, F.J. Verzijlbergen, G.P. Krestin, J.W. Roos-Hesselink, and R.P.J. Budde

3739

CARDIOVASCULAR FLASHLIGHTS

Intracardiac leiomyomatosis

T. Bewersdorf and A. Loch

3750

Paravalvular root abscess with mycotic pseudoaneurysm

W.K.F. Kong, C.C. Choong, J.A. Sule, K.K. Poh, and T. Kofidis

3751



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