

### ISSUE @ A GLANCE

 Frontiers in cardiac imaging: diagnostic and prognostic validity and safety  
*T.F. Lüscher*

259

### CardioPulse

Steven Nissen MD

*M. Nicholls*

262

Hand-held Echography devices: ready for prime time?

*N.M. Cardim, V. Delgado, and B.A. Popescu*

264

What is CMR doing for patients today?

*Z. Khalique and D.J. Pennell*

266

A new Research Centre in Russia

*E. Shlyakhto*

271

A new Paediatric Centre in Russia

*E. Shlyakhto*

273

### CURRENT OPINION

#### Imaging

The Year in Cardiology 2017: Imaging

*V. Delgado, J. Knuuti, S. Plein, S. Achenbach, and J.J. Bax*

275

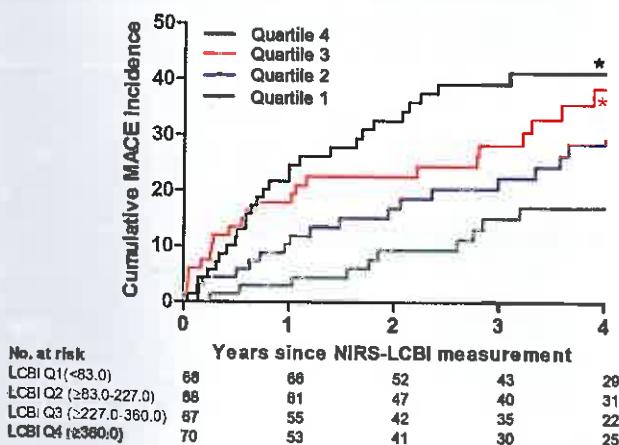
Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR)

*A. Gimelli, S. Achenbach, R.R. Buechel, T. Edvardsen, M. Francone, O. Gaemperli, M. Hacker, F. Hyafil, P.A. Kaufmann, P. Lancellotti, K. Nieman, G. Pontone, F. Pugliese, H.J. Verberne, M. Gutberlet, J.J. Bax, and D. Neglia*

286

### FAST TRACK CLINICAL RESEARCH

#### Coronary artery disease



\*p<0.01 as compared to first quartile (reference).

#### Editorial

An amber signal lights up before the red: do not dismiss it

*C. Di Mario, A. Mattesini, and R. Waksman*

303

Near-infrared spectroscopy-derived lipid core burden index predicts adverse cardiovascular outcome in patients with coronary artery disease during long-term follow-up

*A.-S. Schuurman, M. Vroegindeweij, I. Kardys, R.M. Oermawsingh, J.M. Cheng, S. de Boer, H.M. Garcia-Garcia, R.-J. van Geuns, E.S. Regar, J. Daemen, N.M. van Mieghem, P.W. Serruys, E. Boersma, and K.M. Akkerhuis*

295

## CLINICAL RESEARCH

### Imaging

#### The effect of 1.5 T cardiac magnetic resonance on human circulating leucocytes

W.R. Critchley, A. Reid, J. Morris, J.H. Naish, J.P. Stone, A.L. Ball, T. Major, D. Clark, N. Waldron, C. Fortune, J. Lagan, G.A. Lewis, M. Ainslie, E.B. Schelbert, D.M. Davis, M. Schmitt, J.E. Fildes, and C.A. Miller

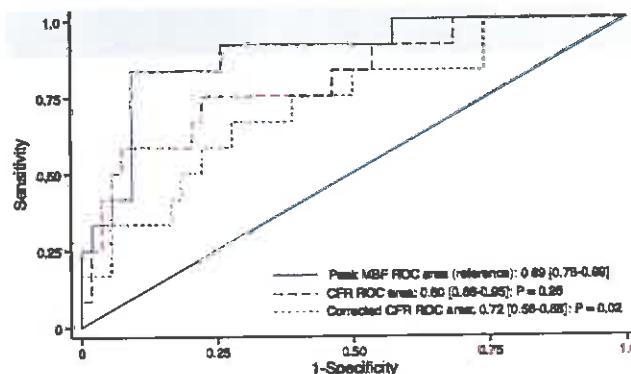
305

### Editorial

#### Cardiac MR imaging genotoxicity?

M.A. Hill

313



### Diagnostic and prognostic value of myocardial blood flow quantification as non-invasive indicator of cardiac allograft vasculopathy

P.E. Bravo, B.A. Bergmark, T. Vita, V.R. Taqueti, A. Gupta, S. Seidelmann, T.E. Christensen, M.T. Osborne, N.R. Shah, N. Ghosh, J. Hainer, C.F. Bibbo, M. Harrington, F. Costantino, M.R. Mehra, S. Dorbala, R. Blankstein, A. Desai, L. Stevenson, M.M. Givertz, and M.F. Di Carli 316

### Editorial

#### The beginning at the end: non-invasive assessment of post-transplant coronary allograft vasculopathy at the microcirculatory level

O. Rimoldi and P.G. Camici

324

## CARDIOVASCULAR FLASHLIGHTS

#### Aneurysmal left sinus of Valsalva in Marfan's syndrome

M.A. Chamsi-Pasha and G.M. Lawrie

285

#### Transapical implantation of a transcatheter aortic valve prosthesis into a mitral annuloplasty ring guided by real-time three-dimensional cardiac computed tomography-fluoroscopy fusion imaging

E. Schulz, A. Tamm, W. Kasper-König, A. Beiras-Fernandez, C.F. Vahl, T. Münzel, and R.S. von Bardeleben

327



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)