

### ISSUE @ A GLANCE

-  **The ESC Guidelines on cardiac pacing and resynchronization, and the many facets of atrial fibrillation**  
*F. Crea*

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### CardioPulse

#### COVID-19 and Emissions: An Opportunity for Sustainable Global Health

- S. Rajagopalan, R.B. Jackson, and J. Narula*

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#### Prevention is 'close to our hearts'

- M. Nicholls*

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#### Optimizing Cardiovascular Risk Factors

- M. Nicholls*

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 **The impossible interviews—Sherlock Holmes interviews David Sackett: 'how much can we trust the guidelines?'**

- C. Rapezzi, G. Sinagra, M. Merlo, and R. Ferrari*

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### Weekly Journal Scan

#### Exploring RNA biomarkers in patients with acute myocarditis

- F. Paneni and M. Volpe*

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### ESC GUIDELINES

#### 2021 ESC Guidelines on cardiac pacing and cardiac resynchronization therapy

- M. Glikson, J.C. Nielsen, M.B. Kronborg, Y. Michowitz, A. Auricchio, I.M. Barbash, J. A. Barrabés, G. Boriani, F. Braunschweig, M. Brignole, H. Burri, A.J.S. Coats, J.-C. Deharo, V. Delgado, G.-P. Diller, C. W. Israel, A. Keren, R.E. Knops, D. Koteka, C. Leclercq, B. Merkely, C. Starck, I. Thylén, J.M. Tolosana, ESC Scientific Document Group*

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### VIEWPOINT

#### Arrhythmias

##### Does gut microbiota affect atrial rhythm? Causalities and speculations

- D. Linz, M. Gawatko, P. Sanders, J. Penders, N. Li, S. Nattel, and D. Dobrev*

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##### Ageing, comorbidities, and the complex determinants of atrial fibrillation in athletes

- E. Guasch and S. Nattel*

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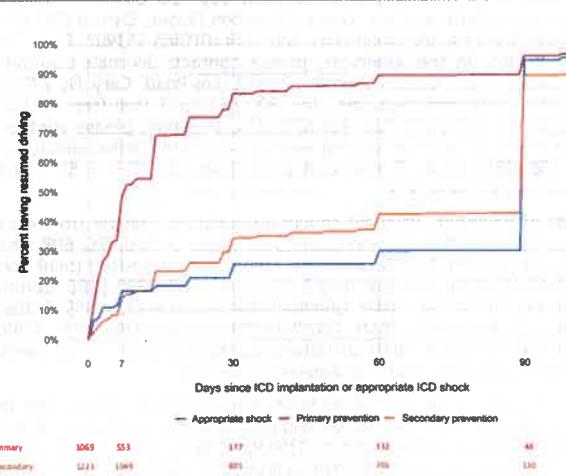
### CLINICAL RESEARCH

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##### Driving following defibrillator implantation: a nationwide register-linked survey study

- J. Bjerre, S.H. Rosenkranz, M. Schou, C. Jøns, B.T. Philbert, C. Larroudé, J.C. Nielsen, J.B. Johansen, S. Riahi, T.M. Melchior, C. Torp-Pedersen, M. Hlatky, G. Gislason, and A.-C. Ruwald*

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#### Editorial

##### To drive or NOT to drive: that's the question after ICD implantation

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Prevalence, management and impact of chronic obstructive pulmonary disease in atrial fibrillation: a systematic review and meta-analysis of 4,200,000 patients

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### Editorial

When two is not better than one: the amalgamation of atrial fibrillation and chronic obstructive pulmonary disease

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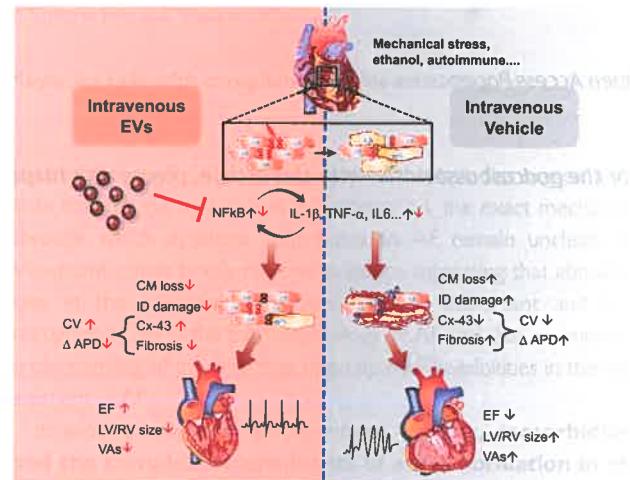
## TRANSLATIONAL RESEARCH

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Extracellular vesicles from immortalized cardiosphere-derived cells attenuate arrhythmogenic cardiomyopathy in desmoglein-2 mutant mice

Y.-N. Lin, T. Mesquita, L. Sanchez, Y.-H. Chen, W. Liu, C. Li, R. Rogers, Y. Wang, X. Li, D. Wu, R. Zhang, A. Ibrahim, E. Marbán, and E. Cingolani

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### Editorial

Arrhythmogenic cardiomyopathy: the ongoing search for mechanism-driven therapies meets extracellular vesicles

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## DISCUSSION FORUM

Methodological considerations when discussing the fracture risk of atrial fibrillation patients taking different drug

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Fracture risk associated with different oral anticoagulants in patients with atrial fibrillation: updated evidence from real-world observational studies and clinical trials

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## CARDIOVASCULAR FLASHLIGHT

*In vivo evaluation of coronary arteritis by serial optical coherence tomography in large vessel vasculitis*

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*A floating thrombus in the ascending aorta, as a complication of a percutaneous coronary angiography*

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*Multifocal intra-wall gas appearance of the aorta was the presage of an infectious aneurysm*

T. Nakamura, M. Hyodo, K. Murata, H. Miyazaki, and K. Ando

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