

ISSUE @ A GLANCE



Mitral valve disease: news from the frontier in valvular heart disease

T.F. Lüscher

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CardioPulse

The ESC Publications Committee Meeting

A. Tofield

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A 'pink salmon' returns to the River Arno

A. Tofield

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Bryan Wharton, the patient

M. Nicholls

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Bryan Wharton, the photographer

M. Nicholls

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SPECIAL ARTICLE

Valvular heart disease

Clinical Trial Principles and Endpoint Definitions for Paravalvular Leaks in Surgical Prosthesis

C.E. Ruiz, R.T. Hahn, A. Berrebi, J.S. Borer, D.E. Cutlip, G. Fontana, G. Gerosa, R. Ibrahim, V. Jelmin, H. Jilaihawi, E.M. Jolicœur, C. Kliger, I. Kronzon, J. Leipsic, F. Maisano, X. Millan, P. Nataf, P.T. O'Gara, P. Pibarot, S.R. Ramee, C.S. Rihal, J. Rodes-Cabau, P. Sorajja, R. Suri, J.A. Swain, Z.G. Turi, E.M. Tuzcu, N.J. Weissman, J.L. Zamorano, P.W. Serruys, M.B. Leon, of the Paravalvular Leak Academic Research Consortium

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REVIEW

Translational medicine

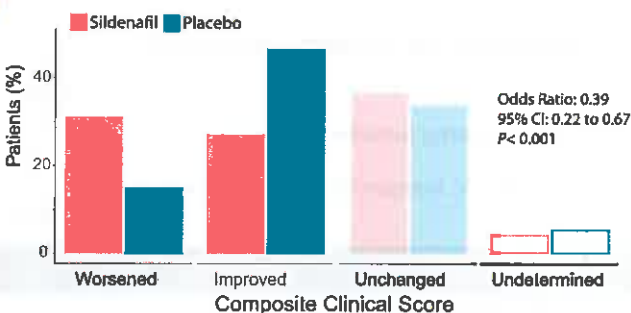
Medical three-dimensional printing opens up new opportunities in cardiology and cardiac surgery

T. Bartel, A. Rivard, A. Jimenez, C.A. Mestres, and S. Müller

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FAST TRACK CLINICAL RESEARCH

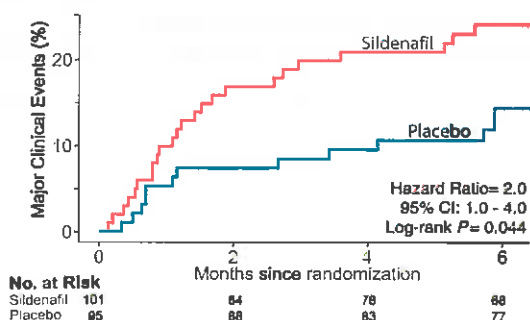
Valvular heart disease



Sildenafil for improving outcomes in patients with corrected valvular heart disease and persistent pulmonary hypertension: a multicenter, double-blind, randomized clinical trial

J. Bermejo, R. Yotti, R. García-Orta, P.L. Sánchez-Fernández, M. Castaño, J. Segovia-Cubero, P. Escribano-Subías, J.A. San Román, X. Borrás, A. Alonso-Gómez, J. Botas, M.G. Crespo-Leiro, S. Velasco, A. Bayés-Genis, A. López, R. Muñoz-Aguilera, E. de Teresa, J.R. González-Juanatey, A. Evangelista, T. Mombiela, A. González-Mansilla, J. Elizaga, J. Martín-Moreiras, J.M. González-Santos, E. Moreno-Escobar, and F. Fernández-Avilés; on behalf of the Sildenafil for Improving Outcomes after Valvular Correction (SIOVAC) investigators

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Editorial

Aiming at the appropriate target for the treatment of pulmonary hypertension due to left heart disease
N. Galiè, A. Manes, F. Dardi, and M. Palazzini

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CLINICAL RESEARCH

Valvular heart disease

New insights into mitral valve dystrophy: a Filamin-A genotype-phenotype and outcome study

T. Le Tourneau, S. Le Scouarnec, C. Cueff, D. Bernstein, J.J.J. Aalberts, S. Lecointe, J. Mérot, J.A. Bernstein, T. Oomen, C. Dina, M. Karakachoff, H. Desal, O. Al Habash, F.N. Delling, R. Capoulade, A.J.H. Suurmeijer, D. Milan, R.A. Norris, R. Markwald, E. Aikawa, S.A. Staugenhaupt, X. Jeunemaitre, A. Hagège, J.-C. Roussel, J.-N. Trochu, R.A. Levine, F. Kyndt, V. Probst, H. Le Marec, and J.-J. Schott

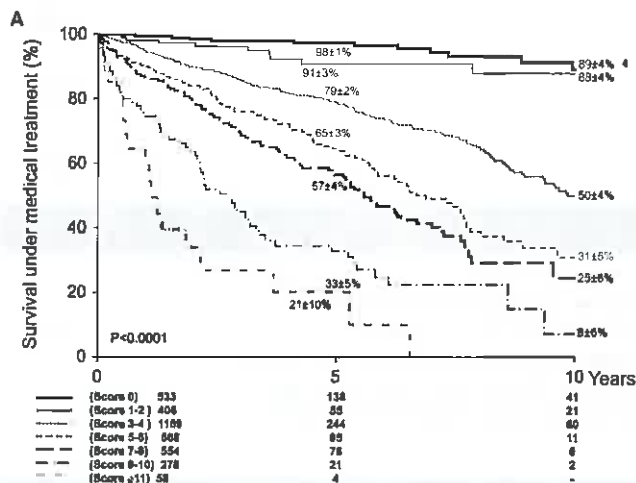
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Editorial

Filamin A mitral valve disease: prolapse, dystrophy, or dysplasia?

G. Thiene and C. Basso

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The MIDA Mortality Risk Score: development and external validation of a prognostic model for early and late death in degenerative mitral regurgitation

F. Grigioni, M.-A. Clavel, J.-L. Vanoverschelde, C. Tribouilloy, R. Pizarro, M. Huebner, J.-F. Avierinos, A. Barbieri, R. Suri, A. Pasquet, D. Rusinaru, G.D. Gargiulo, P. Oberti, A. Thérion, F. Bursi, H. Michelena, S. Lazam, C. Szymanski, V.T. Nkomo, M. Schumacher, L. Bacchi-Reggiani, and M. Enriquez-Sarano, on behalf of the MIDA Investigators

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Editorial

Predicting the outcome of degenerative mitral regurgitation: a step forward but still a long way to go!

A. Vahanian and B. Iung

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Educational needs and application of guidelines in the management of patients with mitral regurgitation.

A European mixed-methods study

B. Iung, V. Delgado, P. Lazure, S. Murray, P.A. Sirnes, R. Rosenhek, S. Price, M. Metra, C. Carrera, M. De Bonis, M. Haude, G. Hindricks, J. Bax, and A. Vahanian

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Editorial

Knowledge and application of European Society of Cardiology (ESC) Guidelines in the management of mitral regurgitation: this is not bad but we can do much better

P. Pibarot and P. Lancellotti

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Inter-ethnic differences in valve morphology, valvular dysfunction, and aortopathy between Asian and European patients with bicuspid aortic valve

W.K.F. Kong, M.V. Regeer, K.K. Poh, J.W. Yip, P.J. van Rosendaal, T.C. Yeo, E. Tay, V. Kamperidis, E.T. van der Velde, B. Mertens, N. Ajmone Marsan, V. Delgado, and J.J. Bax

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CARDIOVASCULAR FLASHLIGHTS

Quadracuspid mitral valve: a rare phenotype associated with hypertrophic cardiomyopathy

M.L. Kauss, W. Miranda, L.J. Sinak, and H.I. Michelena

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First in human transcatheter COMBO mitral valve repair with direct ring annuloplasty and neochord leaflet implantation to treat degenerative mitral regurgitation: feasibility of the simultaneous toolbox concept guided by 3D echo and computed tomography fusion imaging

R.S. von Bardeleben, A. Colli, E. Schulz, T. Ruf, K. Wrobel, C.-F. Vahl, G. Gerosa, C. Werner, T. Münzel, and A. Beiras-Fernandez

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CORRIGENDA

Corrigendum to: 2016 ESC/EAS Guidelines for the Management of Dyslipidaemias

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Corrigendum to: Diagnosis and Management of Acute Deep Vein Thrombosis: a joint consensus document from the european society of cardiology working groups of aorta and peripheral circulation and pulmonary circulation and right ventricular function

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