

## International Advisory Board

M Antunes (Portugal)  
M Bennett (Canada)  
A Bhatt (USA)  
G Boriani (Italy)  
AF Burden (UK)  
BA Caraballo (USA)  
D Celermajer (Aus)  
JB Chambers (UK)  
P Collier (USA)  
P Collinson (UK)  
N Danchin (France)  
V Delgado (Netherlands)  
K Dimopoulos (UK)  
E Donal (France)  
U Elkayam (USA)  
A Evangelista (Spain)  
C Gale (UK)  
JR Gimeno (Spain)  
P Grayburn (USA)  
D Hildick-Smith (UK)  
N Howell (UK)  
B Jung (France)  
C Jux (Germany)  
N Kapur (USA)  
M Kearney (UK)  
G Kunst (UK)  
P Lambiase (UK)  
P Lancellotti (Belgium)  
D Lane (UK)  
C Lavie (UK)  
M Legget (New Zealand)  
D Leung (Australia)  
B Lindman (USA)  
G Lip (UK)  
P Ludman (UK)  
P MacCarthy (UK)  
TH Marwick (Australia)  
A Mathur (UK)  
B Mayosi (South Africa)  
D Messika-Zeitoun (France)  
J Min (USA)  
L Mont (Spain)  
C Morillo (Canada)  
C Mueller (Switzerland)  
K Oldroyd (UK)  
P Ordunez (Cuba)  
Y Otsuji (Japan)  
A Owens (UK)  
S Petersen (UK)  
P Pibarot (Canada)  
J Piek (Netherlands)  
D Piñero (Argentina)  
Z Popovic (USA)  
B Prendergast (UK)  
D Prior (Australia)  
J Prutkin (USA)  
J Ramon Gimeno (Spain)  
S Redwood (UK)  
L Rohde (Brazil)  
N Samani (UK)  
U Sechtem (Germany)  
I Simpson (UK)  
LD Smith (UK)  
JK Song (Korea)  
R Sutton (UK)  
S Thorne (UK)  
P Tornos (Spain)  
J Townend (UK)  
O Tutarel (Germany)  
A Uebing (UK)  
G Veldtmann (USA)  
H White (New Zealand)  
S Windecker (Switzerland)  
K Yamamoto (Japan)

**Aims and Scope:** Heart is an international peer reviewed journal that keeps cardiologists up to date with advances in the diagnosis and treatment of cardiovascular disease. Topics cover the breadth of cardiovascular disease with special emphasis on valve disease, congenital heart disease, and inherited cardiovascular conditions as well as coronary disease, heart failure, arrhythmias, imaging, epidemiology, global health, genomics and translational science.

## Editorial Board

### Editor

Catherine M Otto

### Deputy Editors

Paulus Kirchhof

David Shavelle

### Senior Consulting Editors

Roger Hall

Adam D Timmis

### Associate Editors

Steven Bradley

Martin Cowie

Gerhard-Paul Diller

Sabine Ernst

Judy W Hung

Antonio Luiz Ribeiro

Satoshi Nakatani

David Newby

Kazem Rahimi

Jolien Roos-Hesselink

Nona Sotoodehnia

### JournalScan Editor

James M McCabe

### Cardiology in Focus,

### Section Editor

Jubin Joseph

### Image Challenge Editor

Jason Linefsky

### Digital Media Editor

James Rudd

### Editor of Open Heart

Pascal Meier

### Editor of Heart Asia

Ganesan Karthikeyan

### Statistical Advisors

Derek Bennett

Steven Cen

Enrico Colosimo

Mulugeta Gebregziabher

Caroline Haig

Alex McConnachie

Claudia-Martina Messow

Heather Murray

José Luiz Padilha

Katrina Poppe

Rodrigo Reis

Colleen Sitlani

### Education in Heart

### Series Editor

Sarah Clarke

### Section Editors

Andreas Baumbach

Peter Brady

Susan Connolly

Perry Elliot

Paul Kalra

Eric V Krieger

Aung Myat

Simon Ray

## Contact Details

### Editorial Office

Heart, BMJ Publishing Group Ltd,  
BMA House,  
Tavistock Square,  
London WC1H 9JR, UK  
T: +44 (0)20 7383 6622  
E: [heartjournal@bmj.com](mailto:heartjournal@bmj.com)

### Publisher

Christiane Notarmarco  
T: +44 (0)20 7874 7096  
E: [cnotarmarco@bmj.com](mailto:cnotarmarco@bmj.com)

### Associate Publisher & Supplement Enquiries

Lindsey Fountain  
T: +44 (0)20 7383 6795  
E: [lfountain@bmj.com](mailto:lfountain@bmj.com)

### Production Editor

Eleanor Naylor  
T: +44 (0)20 7383 6067  
E: [production.heart@bmj.com](mailto:production.heart@bmj.com)

### British Cardiovascular Society

9 Fitzroy Square  
London W1T 5HW, UK  
T: +44 (0)20 7383 3887  
E: [enquiries@bcs.com](mailto:enquiries@bcs.com)  
[www.bcs.com](http://www.bcs.com)

### Permissions

See <http://www.bmj.com/company/products-services/rights-and-licensing/permissions/>

### Subscriptions

For all subscription enquiries and orders  
T: +44 (0)20 7111 1105  
W: <http://heart.bmj.com/pages/subscribe/>

### Display Advertising Sales

Sophie Fitzsimmons  
T: +44 (0)20 7383 6783  
E: [sfzsimmons@bmj.com](mailto:sfzsimmons@bmj.com)  
<http://www.bmj.com/company/raise-visibility-and-reach/>

### Online Advertising Sales

Marc Clifford  
T: +44 (0) 20 7383 6161  
E: [mclifford@bmj.com](mailto:mclifford@bmj.com)  
<http://group.bmj.com/advertising>

### Display & Online Advertising Sales (USA)

Jim Cunningham  
T: +1 201 767 4170  
E: [jcunningham@cunnasso.com](mailto:jcunningham@cunnasso.com)

### Author Reprints

Reprints Administrator  
T: +44 (0)150 251 5161  
E: [admin.reprints@bmj.com](mailto:admin.reprints@bmj.com)

### Commercial Reprints

(except USA & Canada)  
Nadia Gurney-Randall  
T: +44 (0)20 8445 5825  
M: 07866 262344  
E: [ngurneyrandall@bmj.com](mailto:ngurneyrandall@bmj.com)

### Commercial Reprints (USA & Canada)

Ray Thibodeau  
T: +1 267 895 1758  
M: +1 215 933 8484  
E: [ray.thibodeau@contentednet.com](mailto:ray.thibodeau@contentednet.com)

## Subscription Information

Heart is published fortnightly; subscribers receive all supplements and Education in Heart  
ISSN 1355-6037 (print); 1468-201X (online)

### Institutional Rates 2017

#### Print

£930; US\$1814; €1256

#### Online

Site licences are priced on FTE basis and allow access by the whole institution.

Personal print or online only and institutional print subscriptions may be purchased online at <http://journals.bmj.com/content/subscribers?heart> (payment by Visa/Mastercard only)

Residents of some EC countries must pay VAT; for details, call us or visit <http://journals.bmj.com/content/subscribers?heart>

### Personal Rates 2017

Print (includes online access at no additional cost)

£362; US\$706; €489

#### Online only

£185; US\$361; €250

#### Education in Heart online only

£83; US\$162; €113