

## Editor

Catherine M Otto

## Deputy Editors

Paulus Kirchhof

David Shavelle

## Senior Consulting Editors

Roger Hall

Adam D Timmis

## Associate Editors

Steven Bradley

Gerhard-Paul Diller

Robert Doughty

Sabine Ernst

Judy W Hung

Gavin J Murphy

Satoshi Nakatani

David Newby

Kazem Rahimi

Antonio Luiz Ribeiro

Nona Sotoodehnia

## Editor of Open Heart

Pascal Meier

## Editor of Heart Asia

Ganesan Karthikeyan

## JournalScan Editor

Steven M Bradley

## Image Challenge Editor

Jason Linesfsky

## Statistical Advisors

Steven Cen

Enrico Colosimo

Mulugeta Gebregziabher

Caroline Haig

Suzanne Lloyd

Alex McConnachie

Barbara McKnight

Claudia-Martina Messow

Heather Murray

Katrina Poppe

Ken Rice

Colleen Sitlani

Andras Treszl

## Social Media Editor

Alistair Lindsay

## Education in Heart

### Series Editor

Sarah Clarke

### Section Editors

Andreas Baumbach

Peter Brady

Perry Elliot

Julian Halcox

Aung Myat

Bernard Prendergast

James Rudd

Carole Warnes

**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.

## International Advisory Board

S Abbara (USA)

J Antonio Marin-Neto (Brazil)

M Antunes (Portugal)

M Bennett (Canada)

A Bhatt (USA)

G Boriani (Italy)

M Brown (UK)

J Camm (UK)

BA Carabello (USA)

D Celermajer (Aus)

P Collinson (UK)

V Delgado (Netherlands)

K Dimopoulos (UK)

D Echeverri (Colombia)

U Elkayam (USA)

A Evangelista (Spain)

C Gale (UK)

P Grayburn (USA)

JW Ha (South Korea)

D Hildick-Smith (UK)

N Howell (UK)

H Ito (Japan)

B lung (France)

C Jerjes Sanchez Diaz (Mexico)

C Jux (Germany)

N Kapur (USA)

M Kearney (UK)

A Klein (UK)

G Kunst (UK)

M Legget (New Zealand)

B Lindman (USA)

G Lip (UK)

P Ludman (UK)

P MacCarthy (UK)

A Maggioni (Italy)

TH Marwick (Australia)

T Masuyama (Japan)

A Mathur (UK)

W McKenna (UK)

J McMurray (UK)

B Meier (Switzerland)

J Min (USA)

JL Monin (France)

S Neubauer (UK)

K O'Brien (USA)

K Oldroyd (UK)

P Ordunez (Cuba)

Y Otsuji (Japan)

A Owens (UK)

D Pennell (UK)

S Petersen (UK)

P Pibarot (Canada)

J Piek (Netherlands)

D Piñeiro (Argentina)

Z Popvic (USA)

B Prendergast (UK)

D Prior (Australia)

J Prutkin (USA)

P Punjabi (UK)

S Redwood (UK)

D Sahn (USA)

N Samani (UK)

R Schilling (UK)

U Sehtem (Germany)

I Simpson (UK)

LD Smith (UK)

JK Song (Korea)

S Thorne (UK)

P Tornos (Spain)

O Tutarel (Germany)

A Uebing (UK)

G Veldtmann (USA)

H White (New Zealand)

K Yamamoto (Japan)

R Yeh (USA)

J Yoshikawa (Japan)

S Yusuf (Canada)

## 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)

### Production Editor

Eleanor Gill

T: +44 (0)20 7383 6067

E: [production.heart@bmj.com](mailto:production.heart@bmj.com)

E: [production.heart@bmj.com](mailto:production.heart@bmj.com)

E: [production.heart@bmj.com](mailto:production.heart@bmj.com)

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)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

[www.bcs.com](http://www.bcs.com)

## Subscription Information

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

### Institutional Rates 2015

#### Print

£842; US\$1642; €1137

#### 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://group.bmj.com/group/subs-sales> (payment by Visa/Mastercard only)

Residents of some EC countries must pay VAT; for details, call us or visit [www.bmj.com/subscriptions/vatandpaymentinfo.dtl](http://www.bmj.com/subscriptions/vatandpaymentinfo.dtl)

### Personal Rates 2015

Print (includes online access at no additional cost)

£327; US\$638; €442

#### Online only

£167; US\$326; €226

#### Education in Heart online only

£75; US\$147; €102

### 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)