

# Heart

Journal of the British Cardiovascular Society

## Editor

Adam D Timmis

## Deputy Editors

Perry Elliott

John E Sanderson

## Commissioning Editor

Iqbal Malik

## Associate Editors

Jeroen Bax, Michael Burch,  
Andrew Clark, Stuart Cook,  
Brian Griffin, Christian Hamm,  
Bernard Keavney, Charles Knight,  
Reg Liew, Jim Nolan, Jill Pell,  
Raphael Rosenhek, Cheuk-Man Yu

## Technology and Guidelines in Heart

Ceri Davies

## Images in Cardiology

Ajay Jain, Andrew Wragg

## Correspondence Editor

Michael Burch

## JournalScan

Alistair Lindsay

## Statistical Advisor

Alex McConnachie,  
Paul Johnson, Claudia-Martina  
Messow, Suzanne M Lloyd

## Education in Heart

### Series Editor

Jeroen Bax

### Project Manager

John Weller

### Section Editors

Josep Brugada, Martin Cowie,  
Christian Hamm, Johannes  
Holzmeister, Peter Mills,  
Catherine Otto, Frank Ruschitzka,  
Jim Thomas, Alec Vahanian,  
Christopher Wren

### California Chapter ACC

P K Shah (USA)

S Kaul (USA)

**Aims and Scope:** Heart is an international journal of cardiology. Clinical cardiology is its central theme; however, Heart also publishes basic science papers with a clear clinical application

## International Advisory Board

F Andreotti (Italy)

S Bhandari (India)

G Baxter (UK)

M Bennett (UK)

J Bermejo (Spain)

P Camici (UK)

D Celermajer (New Zealand)

K Channon (UK)

S Connolly (Canada)

M Cowie (UK)

N Danchin (France)

G Derumeaux (France)

A F Dominiczak (UK)

J Floras (Canada)

K Fox (UK)

W H Fung (Hong Kong)

R J Gibbons (USA)

P Grayburn (USA)

J Gunn (UK)

J W Ha (Republic of Korea)

L Harris (Canada)

H Hemingway (UK)

P Jais (France)

K Karsch (UK)

J Carlos Kaski (UK)

B Keogh (UK)

P Kistler (Australia)

R Kloner (USA)

M Komajda (France)

C Choy Lang (UK)

G A Lanza (Italy)

C Leclercq (France)

M Legget (New Zealand)

G Lip (UK)

P Ludman (UK)

T Luscher (Switzerland)

P MacCarthy (UK)

A Maggioni (Italy)

B Maron (USA)

T Marwick (Australia)

A Mathur (UK)

W McKenna (UK)

J McMurray (UK)

B Meier (Switzerland)

J-L Monin (France)

M Mullen (UK)

B Munt (Canada)

A Murday (UK)

S Neubauer (UK)

D Newby (UK)

C Newman (UK)

S Ohri (UK)

D Pennell (UK)

S Petersen (UK)

P Pibarot (Canada)

M F Piepoli (UK)

D Poldermans (The Netherlands)

B Prendergast (UK)

P Punjabi (UK)

S Redwood (UK)

R Schilling (UK)

D Sahn (USA)

J Schuijff (The Netherlands)

U Sechtem (Germany)

A Shah (UK)

I Simpson (UK)

L D R Smith (UK)

J Soler-Soler (Spain)

C Stefanadis (Greece)

W Stevenson (USA)

J Thomas (USA)

D Thompson (UK)

S Thorne (UK)

E Topol (USA)

P Tornos (Spain)

D Tousoulis (Greece)

M Turner (UK)

A Vahanian (France)

P Vardas (Greece)

S Viskin (Israel)

N Watanabe (Japan)

H Watkins (UK)

H White (New Zealand)

W Wijns (Belgium)

P Wilkinson (UK)

J Yoshikawa (Japan)

S Yusuf (Canada)

Y Zhang (China)

Editor: BMJ

## Contact Details

### Editorial Office

Heart, BMJ Publishing Group Ltd,  
BMA House,  
Tavistock Square,  
London WC1H 9JR, UK  
T: +44 (0)20 7383 6394  
F: +44 (0)20 7383 6668  
E: [heartjournal@bmjgroup.com](mailto:heartjournal@bmjgroup.com)

### British Cardiovascular Society

9 Fitzroy Square  
London W1T 5HW, UK  
T: +44 (0)20 7383 3887  
F: +44 (0)20 7388 0903  
E: [enquiries@bcs.com](mailto:enquiries@bcs.com)  
[www.bcs.com](http://www.bcs.com)

### Permissions

See <http://journals.bmj.com/misc/permissions.dtl>

### Subscriptions

For all subscription enquiries and orders  
T: +44 (0)20 7383 6270  
F: +44 (0)20 7383 6402  
E: [support@bmjgroup.com](mailto:support@bmjgroup.com)

### Display Advertising Sales

Nick Gray  
T: +44 (0)20 7383 6386  
F: +44 (0)20 7383 6556  
E: [ngray@bmjgroup.com](mailto:ngray@bmjgroup.com)  
<http://group.bmj.com/group/advertising>

### Online Advertising Sales

Marc Clifford  
T: +44 (0) 20 7383 6161  
F: +44 (0) 20 7383 6556  
E: [mclifford@bmjgroup.com](mailto:mclifford@bmjgroup.com)  
<http://group.bmj.com/group/advertising>

### Supplement Enquiries

T: +44 (0)20 7383 6088  
F: +44 (0)20 7383 6668  
E: [journals@bmjgroup.com](mailto:journals@bmjgroup.com)

### Author Reprints

Reprints Administrator  
T: +44 (0)150 251 5161  
F: +44 (0)20 7554 6185  
E: [admin.reprints@bmjgroup.com](mailto:admin.reprints@bmjgroup.com)

### Commercial Reprints (except USA & Canada)

Nadia Gurney-Randall  
T: +44 (0)20 8445 5825  
F: +44 (0)20 8445 5870  
M: 07866 262344  
E: [ngurneyrandall@bmjgroup.com](mailto:ngurneyrandall@bmjgroup.com)

### Commercial Reprints (USA & Canada)

Marsha Fogler  
T: +1 800 482 1450 (toll free in the USA)  
T: +1 856 489 4446 (outside the USA)  
F: +1 856 489 4449  
E: [fogler@medicalreprints.com](mailto:fogler@medicalreprints.com)