

Page	Editorial
1	Understanding the nature of congenital division of the atrial chambers <i>R H Anderson</i>
	<b>Case reports: divided atria</b>
4	Remnant of the common pulmonary vein mistaken for a left atrial mass: clarification by transoesophageal echocardiography <i>W J Manning, C A Waksmonski, M F Riley</i>
6	A characteristic continuous wave Doppler signal in cor triatriatum? <i>M Alwi, Z A A Hamid, R Zambahari</i>
9	Cor triatriatum sinister, not mitral stenosis, in an adult with previous Sydenham's chorea: diagnosis and preoperative assessment by cross sectional echocardiography <i>M A de Belder, V Argano, C J Burrell</i>
	<b>Review</b>
12	Assessment of right ventricular function and its role in clinical practice <i>P Oldershaw</i>
	<b>Original articles</b>
16	Left ventricular filling characteristics in pulmonary hypertension: a new mode of ventricular interaction <i>B B Stojnic, S J D Brecker, H B Xiao, S M Helmy, M Mbaissouroum, D G Gibson</i>
21	Vasodilator myocardial perfusion imaging: demonstration of local electrophysiological changes of ischaemia <i>R M John, P I Taggart, P M Sutton, D C Costa, P J Ell, H Swanton</i>
31	Characteristics of presystolic flow in the superior vena cava: new thoughts on a forgotten sound <i>S J D Brecker, H B Xiao, M Mbaissouroum, D G Gibson</i>
38	Plasma concentration of atrial natriuretic peptide at admission and risk of cardiac death in patients with acute myocardial infarction <i>J Svanegaard, K Angelo-Nielsen, T Pindborg</i>
43	Coronary venous lipid peroxide concentrations after coronary angioplasty: correlation with biochemical and electrocardiographic evidence of myocardial ischaemia <i>K G Oldroyd, J R Paterson, A G Rumley, H Eteiba, A P Rae, J Shepherd, S M Cobbe, I Hutton</i>
48	Thallium scans in syndrome X <i>A C Tweddel, W Martin, I Hutton</i>
51	Use of an autoperfusion catheter in the treatment of acute refractory vessel closure after coronary balloon angioplasty: immediate and six month follow up results <i>J M Van Lierde, J J Glazier, F J Stammen, M C Vrolix, D Sionis, H De Geest, J H Piessens</i>
	<b>Case reports</b>
55	Regression of left ventricular hypertrophy in a transplanted heart <i>S C D Grant, A N Rahman, N H Brooks</i>
58	Giant right atrial diverticulum: an unusual cause of Wolff-Parkinson-White syndrome <i>K Shah, K Walsh</i>
	<b>Epidemiology</b>
60	Plasma triglyceride and high density lipoprotein cholesterol as predictors of ischaemic heart disease in British men: The Caerphilly and Speedwell Collaborative Heart Disease Studies <i>D Bainton, N E Miller, C H Bolton, J W G Yarnell, P M Sweetman, I A Baker, B Lewis, P C Elwood</i>
37	<b>Abstracts in cardiology</b>
	<b>British Cardiac Society</b>
67	<b>Proceedings of the British Cardiac Society</b>
159	<b>British Cardiac Society newsletter</b>
	<b>Correction</b>
160	Strenuous exercise, plasma fibrinogen, and factor VII activity <i>J B Connelly, J A Cooper, T W Meade</i>

Page	Editorial
161	Extending the use of autologous arterial conduits in myocardial revascularisation <i>G D Angelini, A J Bryan</i>
	<b>Viewpoint</b>
163	Pacemaker syndrome: an iatrogenic condition <i>C M Travill, R Sutton</i>
	<b>Original articles</b>
167	Monitoring of streptokinase resistance titre in acute myocardial infarction patients up to 30 months after giving streptokinase or anistreplase and related studies to measure specific antistreptokinase IgG <i>R Fears, H Ferres, E Glasgow, R Standring, K J Hogg, J D Gemmill, J M A Burns, A P Rae, F G Dunn, W S Hillis</i>
171	Streptokinase induced defibrination assessed by thrombin time: effects on residual coronary stenosis and left ventricular ejection fraction <i>K Ranjadayalan, R Stevenson, B Marchant, V Umachandran, S W Davies, D Syndercombe-Court, C N Gutteridge, A D Timmis</i>
176	Early and long term results of re-operation for coronary artery disease <i>E S Akl, E Ozdogan, S K Ohri, M Barbir, Kiti-Chei, J A R Gaer, A G Mitchell, M H Yacoub</i>
181	Influence of power and aerobic exercise training on haemostatic factors after coronary artery surgery <i>D Wosornu, W Allardyce, D Ballantyne, P Tansey</i>
187	Jugular venous 'a' wave in pulmonary hypertension: new insights from a Doppler echocardiographic study <i>B B Stojnic, S J D Brecker, H B Xiao, D G Gibson</i>
192	Continuous wave Doppler echocardiography after surgical repair of coarctation of the aorta <i>K C Chan, D F Dickinson, G A Wharton, J L Gibbs</i>
195	Optimal pacing modes after cardiac transplantation: is synchronisation of recipient and donor atria beneficial? <i>G Parry, K Malbut, J H Dark, R S Bexton</i>
199	Arrhythmias after the Fontan procedure <i>N S Peters, J Somerville</i>
205	Repeatability of measurements and sources of variability in tests of cardiovascular autonomic function <i>G P Lawrence, P D Home, A Murray</i>
212	Raised international normalised ratio (INR): Is it a cause or an effect of late cardiac tamponade? <i>P S Wong, W B Pugsley</i>

**Case reports**

- 214 Rare variant of truncus arteriosus with intact ventricular septum and hypoplastic right ventricle *B Zeevi, L Dembo, M Berant*
- 216 Unmasking of a second atrioventricular accessory connection by adenosine in a child with a long RP' reentrant tachycardia *M M Wienecke, C L Case, P C Gillette*
- 218 *Propionibacterium acnes* causing an aortic root abscess *S M Horner, M F Sturridge, R H Swanton*
- 221 Dilated cardiomyopathy associated with chronic overuse of an adrenaline inhaler *M J Stewart, D M Fraser, N Boon*

**Technology**

- 223 Validation of the beat to beat measurement of blood velocity in the human ascending aorta by a new high temporal resolution Doppler ultrasound spectral analyser *A J S Coats, C Murphy, J Conway, P Sleight*
- 230 A new system for ambulatory pulmonary artery pressure recording *J S R Gibbs, D MacLachlan, K M Fox*

**Measurement**

- 236 Calculation of aortic regurgitation orifice area by Doppler echocardiography: an application of the continuity equation *A C Yeung, T Plappert, M G St John Sutton*

**Audit**

- 241 Cost effectiveness of the implantable cardioverter defibrillator: a preliminary analysis *B J O'Brien, M J Buxton, J A Rushby*

**Views from the past**

- 246 Walter Hayle Walshe (1812–1892) and his book *Diseases of the Heart* *G E Bauer*

**180 Abstracts in cardiology****249 Letters to the editor****250 Book reviews****251 British Cardiac Society newsletter****252 Notice**

No 9 SEPTEMBER 1992 Page

**Editorials**

- 253 Graft vascular disease in heart transplant patients *J Mann*
- 255 Coronary artery disease after heart transplantation: clinical aspects *C D Scott, J H Dark*
- 257 Ventricular remodelling after myocardial infarction *M A Vannan, D J E Taylor*

**Original articles**

- 260 Coronary occlusive disease and late graft failure after cardiac transplantation *P A Mullins, N R Cary, L Sharples, J Scott, D Aravot, S R Large, J Wallwork, P M Schofield*
- 266 Impairment of coronary flow reserve in orthotopic cardiac transplant recipients with minor coronary occlusive disease *P A Mullins, A Chauhan, L Sharples, N R Cary, S R Large, J Wallwork, P M Schofield*
- 272 Nuclear magnetic resonance spectroscopy of excised human hearts *F Brunotte, B Peiffert, J M Escanye, G Pinelli, J Zamorano, P M Walker, J Robert, J P Villemot*
- 276 Intravascular ultrasound imaging of the coronary arteries: an in vitro evaluation of measurement of area of the lumen and atheroma characterisation *M H Anderson, I A Simpson, D Katritis, M J Davies, D E Ward*
- 282 Lower threshold for adenosine-induced chest pain in patients with angina and normal coronary angiograms *B Lagerqvist, C Sylvén, A Waldenström*
- 286 Detection of myocardial ischaemia by transthoracic leads in ambulatory electrocardiographic monitoring *C M Jespersen, V Rasmussen*
- 291 Optimal control of myocardial ischaemia: the benefit of a fixed combination of atenolol and nifedipine in patients with chronic stable angina *H El-Tamimi, G J Davies*
- 296 Usefulness of Doppler echocardiographic assessment of diastolic filling in distinguishing "athlete's heart" from hypertrophic cardiomyopathy *J F Lewis, P Spirito, A Pelliccia, B J Maron*
- 301 Protrusion of the device: a complication of catheter closure of patent ductus arteriosus *J Ottenkamp, J Hess, M D Talsma, T N Buis-Liem*
- 304 Subclinical cardiomyopathy in Becker muscular dystrophy *S E Steare, V Dubowitz, A Benatar*
- 309 Influence of cardiopulmonary bypass on water balance hormones in children *M Burch, L Lum, M Elliott, N Carter, D Slater, A Smith, A Ationu*
- 313 Magnetic resonance imaging of hearts with atrioventricular valve atresia or double inlet ventricle *I C Huggon, E J Baker, M N Maisey, A P Kakadekar, P Graves, S A Qureshi, M Tynan*
- 320 Successful repair of pulmonary atresia with ventricular septal defect without the use of a conduit: a new surgical option: Report of two cases *Z Al-Halees, O Galal, N Wilson*

**Case reports**

- 323 Fabry's disease with complete atrioventricular block: histological evidence of involvement of the conduction system *Y Ikari, K Kuwako, T Yamaguchi*
- 326 Right-sided endomyocardial fibrosis with recurrent pulmonary emboli leading to irreversible pulmonary hypertension *P A Ribeiro, R Muthusamy, C M G Duran*
- 330 Anomalous origin of the right coronary artery from the pulmonary artery in association with congenital aneurysm of the sinus of Valsalva: angiographic diagnosis of a rare association *A S Sundar, K A A Fox*

**Technology**

- 333 Cardiac assistance from skeletal muscle: a critical appraisal of the various approaches *S Salmons, J C Jarvis*

**British Cardiac Society**

- 339 Surgical cover for percutaneous transluminal coronary angioplasty *The Council of the British Cardiovascular Intervention Society*

**342 Letters to the editor****343 British Cardiac Society newsletter****344 Notice**

- 345 Speeding up the review process *M J Davies, K Fox, P Mills*  
 346 How can myocarditis be diagnosed and should it be treated? *M J Davies, D E Ward*

**Viewpoints**

- 348 Answers to complex questions cannot be derived from "simple" trials *E J Topol, R M Califf*  
 352 Beyond the mega-trial: certainty and uncertainty *J R Hampton, A M Skene*

**Original articles**

- 356 Changes in left ventricular function and wall thickness in heart transplant recipients and their relation to acute rejection: an assessment by digitised M mode echocardiography *H F J Mannaerts, A H M M Balk, M L Simoons, J Tijssen, S G van der Borden, P Zondervan, G R Sutherland, J R T C Roelandt*  
 365 Fall in pulmonary vascular resistance in patients awaiting heart transplantation *S C D Grant, R D Levy, N H Brooks*  
 369 Early vasodilator treatment in myocardial infarction: appropriate for the majority or minority? *A D Hargreaves, T Kolettis, A J Jacob, L L Flint, L W Turnbull, A L Muir, N A Boon*  
 374 Evidence of increased platelet activation after thrombolysis in patients with acute myocardial infarction *G Rasmans, O Vesterqvist, K Gréen, O Edhag, P Henriksson*  
 377 Left atrial and left ventricular diastolic function during acute myocardial ischaemia *J T Stewart, M Grbic, U Sigwart*  
 382 Nocturnal hypoxia and arrhythmias in patients with impaired left ventricular function *T Cripps, G Rucker, J Stradling*  
 387 Increased circulating atrial natriuretic factor concentrations in patients with chronic heart failure after inhibition of neutral endopeptidase: effects on diastolic function *D B Northridge, A Jardine, E Henderson, S G Dilly, H J Dargie*  
 392 Efficacy of flecainide, sotalol, and verapamil in the treatment of right ventricular tachycardia in patients without overt cardiac abnormality *J S Gill, D Mehta, D E Ward, A J Camm*  
 398 Comparison of unipolar and bipolar ventricular paced evoked responses *M W Baig, J C Cowan, E J Perrins*  
 403 Effects of abnormal activation on the time course of the left ventricular pressure pulse in dilated cardiomyopathy *H B Xiao, S J D Brecker, D G Gibson*

**Case reports**

- 408 Mitochondrial DNA deletion diagnosed by analysis of an endomyocardial biopsy specimen from a patient with Kearns-Sayre syndrome and complete heart block *A M Remes, I E Hassinen, K Majamaa, K J Peuhkurinen*  
 412 Apparent obstruction of the superior vena cava and a continuous murmur: signs of a fistula between a vein graft aneurysm and the right atrium *M P Richardson, S I Thuraisingham, J Dunning*  
 414 A posteroseptal accessory pathway located in a coronary sinus aneurysm: diagnosis and radiofrequency catheter ablation *A K Pedersen, R Benetis, P E B Thomsen*

**Measurement**

- 417 Restenosis after coronary angioplasty: a proposal of new comparative approaches based on quantitative angiography *P W Serruys, D P Foley, P J de Feyter*  
 425 Effect of increasing heart rate on Doppler indices of left ventricular performance in healthy men *T Oniki, Y Hashimoto, S Shimizu, T Kakuta, M Yajima, F Numano*

**Audit**

- 430 Cardiac surgery: moving away from intensive care *J L Chong, R Pillai, A Fisher, C Grebenik, M Sinclair, S Westaby*  
 434 Cardiac interventional procedure in the United Kingdom during 1990 *P J B Hubner on behalf of the British Cardiovascular Intervention Society*

**British Cardiac Society**

- 437 **Guidelines for training in percutaneous transluminal coronary angioplasty (PTCA)** *Council of the British Cardiovascular Intervention Society (BCIS)*  
 440 **British Cardiac Society newsletter**  
 440 **Notice**

- 441 Magnesium and the myocardium *T A Millane, A J Camm*

**Original articles**

- 443 Alcohol and sudden cardiac death *G Wannamethee, A G Shaper*  
 449 Streptokinase resistance: when might streptokinase administration be ineffective? *M B Buchalter, G Suntharalingam, I Jennings, C Hart, R J Luddington, R Chakraverty, S K Jacobson, P L Weissberg, T P Baglin*  
 454 Evidence for oxidative stress in unstable angina *J McMurray, M Chopra, I Abdullah, W E Smith, H J Dargie*  
 458 Modification of the circadian rhythm of onset of acute myocardial infarction by long-term antianginal treatment *K L Woods, S Fletcher, C Jagger*  
 462 Early diagnosis of acute myocardial infarction by a newly developed rapid immunoturbidimetric assay for myoglobin *J Mair, E Artner-Dworzak, P Lechleitner, B Morass, J Smidt, I Wagner, F Dienstl, B Puschendorf*  
 469 Short-stepping gait in severe heart failure *S W Davies, C A Greig, S L Jordan, D W Grieve, D P Lipkin*  
 473 Ventilation in chronic heart failure: effects of physical training *P Davey, T Meyer, A Coats, S Adamopoulos, B Casadei, J Conway, P Sleight*  
 478 Management of the cardiovascular manifestations of poisoning by the Indian red scorpion (*Mesobuthus tamulus*) *H S Bawaskar, P H Bawaskar*  
 481 Use of casts in the necropsy diagnosis of fetal congenital heart disease *A C Cook, N L K Fagg, L D Allan*  
 485 Left ventricular performance in children: transthoracic versus transoesophageal measurement of M mode derived indices *T C Martins, M L Rigby, A N Redington*  
 488 Transoesophageal echocardiography in neonates, infants and children: applicability and diagnostic value in everyday practice of a cardiothoracic unit *P J Scott, M E Blackburn, G A Wharton, N Wilson, D F Dickinson, J L Gibbs*

- 493 Comparative value of transthoracic and transoesophageal echocardiography before balloon dilatation of the mitral valve *M R Thomas, M J Monaghan, D W Smyth, J M Metcalfe, D E Jewitt*
- 498 Echocardiographic demonstration of important abnormalities of the mitral valve in congenitally corrected transposition *D J Penny, J Somerville, A N Redington*
- Concept**
- 501 An analysis of the incidence of myocardial metastasis from solid cancers *L Weiss*
- Practice reviewed**
- 505 Conservative surgery of the mitral valve: a report of the first 100 cases from one unit and one surgeon *A Kenny, C A Fuller, L M Shapiro, F C Wells*
- Measurement**
- 510 Transoesophageal Doppler echocardiographic measurement of cardiac output by the mitral annulus method *H Shimamoto, H Kito, K Kawazoe, T Fujita, Y Shimamoto*
- Epidemiology**
- 516 Comparison of trends in ischaemic heart disease between North Karelia, Finland, and Kaunas, Lithuania, from 1971 to 1987 *D Rastenyte, V Salomaa, H Mustaniemi, D Rasteniene, R Grazuleviciene, Z Cepaitis, J Kankaanpää, K Kuulasmaa, J Torppa, J Bluzhas, J Tuomilehto*
- Case reports**
- 524 Intravascular ultrasound to assess left main stem coronary artery lesion *S W Davies, S J Winterton, M T Rothman*
- 527 Rapid reversal of heart failure in a patient with pheochromocytoma and catecholamine-induced cardiomyopathy who was treated with captopril *M Salathe, P Weiss, R Ritz*
- 529 Delayed complications after myocardial contusion *E D Grech, P A Dodds, R A Perry*
- Audit**
- 531 Impact of the recommendations of the British Pacing and Electrophysiology Group on pacemaker prescription and on the immediate costs of pacing in the Northern Region *S G Ray, M J Griffith, S Jamieson, R S Bexton, R G Gold*
- 535 **British Cardiac Society newsletter**
- 536 **Notices**
- No 12 DECEMBER 1992 Page **Editorial**
- 537 Viable myocardium and reinjection of thallium *S R Underwood, D J Pennell*
- Reviews**
- 540 Adaptation of the maternal heart in pregnancy *S Hunter, S C Robson*
- 544 Non-rheumatic atrial fibrillation: warfarin or aspirin for all? *J Nolan, P Bloomfield* (Neurological comment *C Warlow*)
- Original articles**
- 549 Myocardial dysfunction in patients infected with HIV: prevalence and risk factors *A J Jacob, G R Sutherland, A G Bird, R P Brettle, C A Ludlam, A McMillan, N A Boon*
- 554 Similar prevalence of enteroviral genome within the myocardium from patients with idiopathic dilated cardiomyopathy and controls by the polymerase chain reaction *P J Keeling, S Jeffery, A L P Caforio, R Taylor, G F Bottazzo, M J Davies, W J McKenna*
- 560 Effect of exercise training on the total ischaemic burden: an assessment by 24 hour ambulatory electrocardiographic monitoring *I C Todd, D Ballantyne*
- 567 Relation of left ventricular isovolumic relaxation time and incoordination to transmitral Doppler filling patterns *S J D Brecker, C H Lee, D G Gibson*
- 574 Analysis of left ventricular regional wall motion in normal neonates *A Miyazaki, F Ichida, I Hashimoto, S Tsubata, T Okada*
- 580 Correlation between echocardiographic and morphological investigations of lesions of the tricuspid valve diagnosed during fetal life *R Oberhoffer, A C Cook, D Lang, G Sharland, L D Allan, N L K Fagg, R H Anderson*
- 586 Myocardial disarray in Noonan syndrome *M Burch, J M Mann, M Sharland, E A Shinebourne, M A Patton, W J McKenna*
- 589 Reappraisal of the coupling interval of ventricular extrasystoles as an index of ectopic mechanisms *Y Murakawa, H Inoue, T Koide, A Nozaki, T Sugimoto*
- 596 Different distribution of abnormal endocardial electrograms within the right atrium in patients with sick sinus syndrome *O A Centurion, M Fukatani, A Konoe, M Tanigawa, A Shimizu, S Isomoto, M Kaibara, K Hashiba*
- 601 Non-atherosclerotic coronary artery disease and sudden death in the young *D Corrado, G Thiene, P Cocco, C Frescura*
- Measurement**
- 608 Adjustment for the influence of age and heart rate on Doppler measurements of left ventricular filling *R A H Stewart, J Joshi, N Alexander, P Nihoyannopoulos, C M Oakley*
- Technique**
- 613 Percutaneous balloon pericardiectomy in the management of recurrent malignant pericardial effusions *G Jackson, D Keane, B Mishra*
- Case reports**
- 616 Pulmonary artery rupture in pregnancy complicating patent ductus arteriosus *N J Green, T P Rollason*
- 619 Leaking false aneurysm of right coronary saphenous vein graft: successful treatment by percutaneous coil embolisation *W R Dimitri, A W Reid, F G Dunn*
- British Cardiac Society**
- 621 Seventh survey of staffing in cardiology within the UK 1991 *From the British Cardiac Society, the Cardiology Committee of the Royal College of Physicians, and the Trafford Centre for Medical Research, University of Sussex*
- 630 The future of paediatric cardiology in the United Kingdom *Joint working party of the British Cardiac Society and the Royal College of Physicians of London*
- 634 **Letters to the editor**
- 636 **Book reviews**
- 638 **British Cardiac Society newsletter**
- 640 **Index**