

myocardium can be determined by gamma camera imaging are largely based on techniques that use planar imaging or, to a lesser extent, limited angle tomography. Experience in the applications of radionuclide imaging shows that there is considerable capacity for such images to mislead the observer. It is possible therefore that some of the conclusions which have been drawn by workers using such techniques in the past may be erroneous.

We have described a technique for the use of transverse tomographic section data to construct an easily recognisable display. We have suggested that this represents a useful step forward towards gaining acceptance of the use of thallium-201 for localising coronary artery disease. The implication is that with improvement in imaging techniques associated with the current more widespread access to single photon tomography,¹ the role of thallium-201 should be re-evaluated. Thus there are now reports indicating that transverse tomography with thallium-201 can show the location of disease determined angiographically.^{2,3} We have not suggested that thallium-201 tomography can universally replace coronary angiography. Its role is more likely to be complementary, not only in the exclusion of important coronary artery disease in patients with atypical symptoms, but also in other applications such as determining the significance of moderate coronary

artery lesions shown angiographically, or identifying areas that are potentially suitable for revascularisation.

C J Gibson,
Regional Medical Physics Department,
Dryburn Hospital, Durham

E E Laird, E D Williams, D Rankin,
Regional Medical Physics Department,
Sunderland District General Hospital

B Mittra,
Department of Medicine,
Sunderland District General Hospital.

References

- 1 Williams ED, ed. *An introduction to emission computed tomography*. Report No. 44. London: Institute of Physical Sciences in Medicine, 1985.
- 2 Garcia EV, Van Train K, Maddahi J, et al. Quantification of rotational Thallium-201 myocardial tomography. *J Nucl Med* 1985; 26: 17-26.
- 3 Tamaki N, Yonekura Y, Mukai T, et al. Segmental analysis of stress thallium myocardial emission tomography for localisation of coronary artery disease. *Eur J Nucl Med* 1984; 9: 99-105.

Notices

British Cardiac Society

The Autumn Meeting will be held at the Wembley Conference Centre, London, on 25 to 27 November 1986.

The closing date for receipt of abstracts has been changed to 11 July 1986 and is not as indicated in earlier notices.

Blood vessel imaging using ultrasound techniques

The 2nd International Conference Workshop on Blood Vessel Imaging Using Ultrasound Techniques will be held in Southampton on 4 and 5 September 1986. An associated introductory course will be held on 6 November 1986. Further information from: Mr K N Humphries, Scientific Director, Vascular Unit, Medical Physics Department, Level D, Centre Block, Southampton General Hospital, Southampton SO9 4XY.

AUTHOR INDEX

1986, Volume 55

- ABE Y *see* Saito D *et al*
ABID F *see* Ben Ismail M *et al*
ADGEY A A J *see* McIlwaine W J *et al*
MacLennan B A *et al*
Varma M P S *et al*
ADKINS G F (& Steele R H) Left coronary artery dissection: an unusual presentation: case report 411
AGOSTONI P G (& de Cesare N, Doria E, Polese A, Tamborini G, Guazzi M D) Afterload reduction: a comparison of captopril and nifedipine in dilated cardiomyopathy 391
AL KASAB S *see* Al Zaibag M *et al*
AL ZAIBAG (& Ribeiro P, Al Kasab S) Percutaneous transluminal valvotomy for rheumatic mitral stenosis using a double balloon technique 513 P
ALBERS C *see* Peart I *et al*
ALBIN H *see* Lévy S *et al*
ALEXANDRE J-M *see* Funck-Brentano C *et al*
ALLAN L *see* Ladusans E J *et al*
ALLISON M E M *see* Simpson I A *et al*
AMEISEN O *see* Kligfield P *et al*
AMELI M A SADR- *see* Sadr-Ameli M A
AMORIM D S *see* Marin-Neto J A *et al*
ANDO M *see* Momma K *et al*
ANGELINI G D (& Newby A C, Williams H M J, Kulatilake N, Passani S, Breckenridge I M) Medical and endothelial damage can be avoided during surgical preparation of autologous saphenous vein coronary bypass grafts 509 P
ANSON R CANEPA- *see* Canepa-Anson R
ARENDSMAN F W (& Radley-Smith R, Grieve L, Gibson D G, Yacoub M H) Computer assisted echocardiographic assessment of left ventricular function before and after anatomical correction of transposition of the great arteries 162
ÅFINASON A *see* Eliasson G J *et al*
ARNOLD R *see* Wright J G C *et al*
ASHFORD A Abrupt withdrawal of atenolol in patients with severe angina: comparison with the effects of treatment: correspondence 112
BAANDRUP U *see* Mortensen S A *et al*
BAGGER J P *see* Nielsen T T *et al*
BAILEY L *see* Chamberlain D *et al*
BALARAM U S V (& Karas S, Hallidie-Smith KA) Mechanisms of closure of perimembranous ventricular septal defects: a cross sectional and pulsed Doppler echocardiographic study 520 P
BALCON R *see* Lyons J *et al*
Norell M S *et al*
BALLANTYNE D *see* Northcote R J *et al*
Todd I C *et al*
BANIM S D *see* Caplin J L *et al*
BANKS D C *see* Wilcox R G *et al*
BARON D N *see* Mihailidis D P *et al*
BASSEIN L *see* Jones R I *et al*
BAYLISS J (& Canepa-Anson R, Norell M S, Poole-Wilson P, Sutton G) Vasodilation with captopril and prazosin in chronic heart failure: double blind study at rest and on exercise 265
BEATTIE J M (& Gaffney F A, Buja L M, Blomqvist C G) Left ventricular false tendons in man: identification of clinically significant morphological variants 525 P
BEAUFILS Ph (& Slama R) Myocarditis confirmed by biopsy presenting as acute myocardial infarction: correspondence 420
BEEN M (& Smith M A, Ridgway J P, Best J J K, de Bono D P, Muir A L) Changes in nuclear magnetic resonance during the first two weeks after myocardial infarction in man 504 P
BELCH J *see* Hutchinson S *et al*
BEN ISMAIL M (& Abid F, Trabelsi S, Taktak M, Fekih M) Cardiac valve prostheses, anticoagulation, and pregnancy 101
BENGSSON C *see* Lapidus L & Bengsson C
BENNETT D H *see* Schofield P M *et al*
BERGERONE S *see* Fubini A *et al*
BERGSTRA A *see* Hess J *et al*
BERRY J M *see* Khalil M N *et al*
BEST J J K *see* Been M *et al*
BEXTON R S (& Vallin H O, Camm A J) Diurnal variation of the QT interval—fluence of the autonomic nervous system 253
BIAGINI A *see* Donato L *et al*
BIBRA H Von *see* Von Bibra H
BINI R M *see* Wright J G C *et al*
BIRKHEAD J *see* Wilcox R G *et al*
BLOMBACK M *see* Hamsten A *et al*
BLÖMER H *see* Von Bibra H *et al*
BLOMQVIST C G *see* Beattie J M *et al*
BLOMSTRÖM-LUNDQVIST C (& Dohnal M, Hirsch I, Lindblad A, Hjalmarson A, Olsson S B, Edvardsson N) Effect of long term treatment with metoprolol and sotalol on ventricular repolarisation measured by use of transoesophageal atrial pacing 181
BLOOM S R *see* Webb S C *et al*
BODIN L *see* Orth-Gomér K *et al*
BOMAN H *see* Haugland H *et al*
BONO D P DE *see* de Bono D P
BOON N A (& Frew A J, Cobbs S M) An intra-patient comparison of ambulatory blood pressure during chronic DDD and VVI pacing 508 P
BORÉ P *see* Rajagopalan B *et al*
BORER J S *see* Kligfield P *et al*
BOURKE J *see* Cowan J C *et al*
BOWES R J *see* Schofield P M *et al*
BOWYER J J (& Busst C M, Denison D M, Shinebourne E A) Effect of long term oxygen treatment at home in children with pulmonary vascular disease 385
BRAY C L *see* Schofield P M *et al*
BRECKENRIDGE I M *see* Angelini G D *et al*
BRENTANO C FUNCK- *see* Funck-Brentano C
BRICAUD H *see* Lévy S *et al*
BROOKS N *see* Schofield P M *et al*
BROOKSBY I *see* Wilcox R G *et al*
BROWN M J *see* Corr L *et al*
BRUNO L (& Prandi M, Colombi P, La Vecchia L) Diagnostic and surgical management of patients with aneurysms of the thoracic aorta with various causes: echocardiography and contrast enhanced computed tomography in prophylactic replacement of the ascending aorta 81
BRUSCA A *see* Fubini A *et al*
BUCHALTER M *see* Guérét P & Buchalter M
BUJA L M *see* Beattie J M *et al*
BURCKHARDT D *see* Hoffman A *et al*
BURKART F *see* Hoffman A *et al*
BURNS-COX C *see* Wilcox R G *et al*
BURTEY J-P *see* Lévy S *et al*
BUSCH H J *see* Hess J *et al*
BUSST C M *see* Bowyer J J *et al*
CAMM A J (& Vohra J, Hesslein P, Cornu E) Sudden death in patients with supra-ventricular tachycardia terminating pacemakers 522 P
— *see also* Bexton R S *et al*
Davies D W *et al*

- Nathan A W *et al*
CAMPBELL N P S *see* McIlwaine W J *et al*
 MacLennan B A *et al*
CAMPBELL R W F *see* Cowan J C *et al*
CANDAN I (& Erol C, Sonel A) Cross sectional echocardiographic appearance in presumed congenital absence of the left pericardium: case report 405
CANEPA-ANSON R *see* Bayliss J *et al*
 Lipkin D P *et al*
CAPLIN J L (& Dymond D S, O'Keefe J C, Flatman W D, Dyke L, Banim S O, Spurrell R A J) Relation between coronary anatomy and serial changes in left ventricular function on exercise: a study using first pass radionuclide angiography with gold-195 m 120
CARTMILL T *see* Meldrum-Hanna W *et al*
CARTMILL T B *see* Meldrum-Hanna W G *et al*
CASAZZA F (& Ferrari F, Finocchiaro G, Hartwig J, Piccone U, Trammarin R, Morpurgo M) Echocardiographic evaluation of verapamil in Friedreich's ataxia 400
CASHMAN P M M *see* Jones R I *et al*
CASTELLANO G *see* Fubini A *et al*
CECCHI E *see* Fubini A *et al*
CELERMAJER J *see* Meldrum-Hanna W *et al*
CELERMAJER J M *see* Meldrum-Hanna W G *et al*
CERVESATO E *see* Nicolosi G L *et al*
CESARE N DE *see* de Cesare N
CHAMBERLAIN D (& Bailey L, Julian D) Staffing and facilities in cardiology in the United Kingdom 1984: case report 311
CHAMBERLAIN D A *see* Rosenthal E *et al*
CHAMBERS J (& Leech G) Echocardiographic demonstration of pulmonary valve endocarditis associated with congenital ventricular septal defect: case report 494
CHANNER K S (& Culling W, Wilde P, Jones J V) A new non-invasive method of estimating left ventricular end diastolic pressure using pulsed Doppler ultrasound 511 P
CHATELLIER G *see* Funck-Brentano C *et al*
CHIDAMBARAM M *see* Ionescu M I *et al*
CHIERCHIA S *see* Glazier J J *et al*
CHIVERS A T *see* McIlwaine W J *et al*
CHOO M H (& Gibson D G) U waves in ventricular hypertrophy: possible demonstration of mechano-electrical feedback 428
CLARK D L *see* Rees M R *et al*
CLELAND J *see* Jack C M *et al*
 Varma M P S *et al*
CLELAND J G F (& Gillen G, Dargie H J) Haemodynamic effects of frusemide in the presence and absence of angiotensin converting enzyme inhibitors 502 P
 (& Stirling K W, Henderson E, Dargie H J) Symptom limited exercise and respiratory gas exchange in heart failure 519 P
COBBE S M *see* Boon N A *et al*
COHEN M V *see* Rosoff M H & Cohen M V
COLEMAN E N *see* Houston A B *et al*
COLLINS P (& Sheridan D) Improvement in angina pectoris with alpha adrenoceptor blockade: correspondence reply 219
COLOMBI P *see* Bruno L *et al*
CONROY R M *see* Katz R *et al*
CONTINI C *see* Donato L *et al*
CONWAY M *see* Massie B *et al*
CORBELLI J-L *see* Lévy S *et al*
CORNU E *see* Camm A J *et al*
CORR L (& Grounds R M, Whitwam J G, Brown M J) Plasma catecholamine secretion during cardiac surgery: a double blind comparison of trimetaphan camsylate with sodium nitroprusside 526 P
CORRALL R J M *see* O'Brien I A D *et al*
CORRIE J *see* Rademaker M *et al*
COWAN J C (& Hilton C J, Griffiths C J, Bourke J, Tan-suphaswadikul S, Murray A, Campbell R W F) Epicardial repolarisation mapping in man 524 P
COWAN M D *see* Reid J M *et al*
COWLEY A J (& Stainer K, Rowley J M, Hampton J R) Abnormalities of the peripheral circulation and respiratory function in patients with severe heart failure 75
Cox C BURNS- *see* Burns-Cox C
CRAKE T (& Quyyumi A A, Wright C, Mockus L, Fox, K M) The effect of receptor antagonist therapy on the diagnostic accuracy of non-invasive tests used in the detection of coronary artery disease 519 P
CRAWFORD D *see* Ladusans E J *et al*
CRICK J C P *see* Griffin B *et al*
 Timmis A D *et al*
CRIPPS T (& Dennis M S, Joy M) The need for invasive cardiovascular assessment and operation: viewpoint of a district general hospital 488
CULLING W *see* Channer K S *et al*
CUMBERLAND D C (& Sanborn T A, Tayler D I, Welsh C L, Greenfield A, Gubin J) Percutaneous laser thermal angioplasty 512 P
CUNNINGHAM A D *see* Levy R D *et al*
CUNNINGHAM D *see* Levy R D *et al*
CURRY P V L *see* Ladusans E J *et al*
DANCY M Comparison of electrocardiographic and echocardiographic measures of left ventricular hypertrophy in the assessment or aortic stenosis 155
DANDONA P *see* Mikailidis D P *et al*
DANIEL M K *see* McLennan F M *et al*
DARGIE H J *see* Cleland J G F *et al*
 Findlay I N *et al*
 McAlpine H M *et al*
DAVIES D W (& Nathan A W, Camm A J) Three deaths after attempted high energy catheter ablation of ventricular tachycardia 506 P
 (& Wainwright R J, Large S R, Edmondson S J, Rees G M, Camm A J) Recognition of ventricular tachycardia and ventricular fibrillation from the timings of epicardial electrograms 523 P
DAVIES M J *see* Thomas A C *et al*
DE BONO D P *see* Been M *et al*
DE CESARE N *see* Agostoni P G *et al*
DE FAIRE U *see* Hamsten A *et al*
DE LEVAL M R Surgical management of the neonate with congenital heart disease: editorial 1
—see also Ortiz E *et al*
 Sullivan I D *et al*
DEIRANIYA A K *see* Schofield P M *et al*
DENISON D M *see* Bowyer J J *et al*
DENNIS M S *see* Cripps T *et al*
DHALLA N *see* Martin R *et al*
DI LEO M *see* Fubini A *et al*
DICKINSON D F *see* Gerlis L M *et al*
DILLY N *see* Thomas A C *et al*
DILLY S *see* Thomas A C *et al*
DOHNAL M *see* Blomström-Lundqvist C *et al*
DOIG W B *see* Houston A B *et al*
DONATO L (& Biagini A, Contini C, l'Abbate A, Edmin M, Piacenti M, Palla R) Treatment of end stage heart failure by ultrafiltration 503 P
DONNELLY M D I *see* McIlwaine W J *et al*
DORE C *see* Jones R I *et al*
DORIA E *see* Agostoni P G *et al*
DOYLE D V *see* Fitzpatrick A P *et al*
DUNCAN F M *see* Rademaker M *et al*
DYKE L *see* Caplin J L *et al*
DYMOND D S *see* Caplin J L *et al*
EARLY M Y *see* Khalil M N *et al*
EDHAG D *see* Henriksson P *et al*
EDMONDSON S J *see* Davies D W *et al*
EDWARDSSON N *see* Blomström-Lundqvist C *et al*
EDWARDS C R W *see* Rademaker M *et al*
EDWARDS D (& Whittaker S, Prior A) Cardiogenic shock without a critically raised left ventricular end diastolic pressure: management and outcome in eighteen patients 549

- EGLEN A *see* Rademaker M et al
 EKMAN I *see* Nylander E et al
 EKTEISH F M S A (& Hajar R, Folger G M) Persistence of third aortic arch with fourth aortic arch agenesis: case report 607
 ELIASSON G J (& Pálsson K, Eyjólfsson K, Árnason A, Hardarson T, Sigfusson N) Left bundle branch block: prevalence, incidence, follow up echocardiography, and exercise testing 515 P
 ELLIOTT A T *see* Findlay I N et al
 ELSTOR J E *see* Nathan A W et al
 ELWOOD J H *see* McIlwaine W J et al
 EMANUEL R *see* Hayward R et al
 EMDIN M *see* Donato L et al
 EROL Ç *see* Candan I et al
 ERWIN J (& McWilliams E, Gearty G, Maurer B) Haemodynamic assessment of dual chamber pacing in hypertrophic cardiomyopathy using radionuclide ventriculography 507 P
 — *see also* Quigley P J et al
 EVANS A E *see* McIlwaine W J et al
 EYJOLFSSON K *see* Eliasson G J et al
 EYKYN S The challenge and the reproach of infective endocarditis: correspondence 418
- FAIRE U DE *see* de Faire U
 FAUGÈRE G *see* Shenasa M et al
 FAY T *see* Pumphrey C W et al
 FEKIH M *see* Ben Ismail M et al
 FERRARI F *see* Cassazza F et al
 FIELDS L E *see* Fox K A A et al
 FINDLAY I N & MacLeod K, Ford M, Gillen G, Elliott A T, Dargie H J) Treatment of angina pectoris with nifedipine and atenolol: efficacy and effect on cardiac function 240
 — *see also* McAlpine H M et al
 FINOCCHIARO G *see* Cassazza F et al
 FIORETTI P *see* Zijlstra F et al
 FISHER E A *see* Thanopoulos B D et al
 FITZPATRICK A P (& Lanham J G, Doyle D V) Cardiac tumours simulating collagen vascular disease 592
 FLANNIGAN C *see* Northcote R J et al
 FLATMAN W D *see* Chaplin J L et al
 FLINT J *see* Murray R G & Flint J
 FOLGER G M *see* Ekteish F M S A et al
 FOREES C *see* Hutchinson S et al
 FORD M *see* Findlay I N et al
 FOX K *see* Reid C J et al
 FOX K A A (& Robinson A K, Rodriguez R U, Fields L E, Sarnoff S S, Sobel B E) Absorption of intramuscular human recombinant tissue type plasminogen activator (rt-PA) facilitated by methyamine; potential applications for coronary thrombolysis 503 P
 FOX K M *see* Crake T et al
 Levy R et al
 Levy R D et al
 FRANC F *see* Thomas A C et al
 FRASER A G *see* Mulligan I P et al
 FRASER J R *see* Walker P R et al
 FREW A J *see* Boon N A et al
 FRICK M H *see* Toivonen L K et al
 FROMER M *see* Shenasa M et al
 FROSTICK S *see* Massie B et al
 FUBINI A (& Cecchi E, Spinelli M T, Di Leo M, Bergerone S, Ozcan F, Presbitero P, Morello P, Castellano G, Turco G, Brusca A) Use of radionuclide angiography and an electrocardiographic stress test to diagnose multivessel disease after a first episode of uncomplicated myocardial infarction 535
 FUJIWARA H *see* Tanaka M et al
 FUNCK-BRENTANO C (& Chatellier G, Alexandre J-M) Reversible renal failure after combined treatment with enalapril and frusemide in a patient with congestive heart failure: case report 596
- GAFFNEY F A *see* Beattie J M et al
 GALLO L *see* Marin-Neto J A et al
- GAMMAGE M D (& Murray R G, Littler W A) Isosorbide mononitrate by intravenous bolus administration in acute left ventricular failure 515 P
 GARDENER J *see* Lyons J et al
 GEARTY G *see* Erwin J et al
 GEARTY G F *see* Quigley P J et al
 GEDDES J S *see* Jack C M et al
 McILWAINE W J et al
 GÉRARD R *see* Lévy S et al
 GERLIS L M (& Wilson N, Dickinson D F) Abnormalities of the mitral valve in congenitally corrected transposition (discordant atrioventricular and ventriculoarterial connections) 475
 GERSB J B *see* McLaran C J et al
 GHARZUDDINE W *see* Malouf J et al
 GIBSON C J & Laird E E, Williams E D, Rankin D, Mittra B) New technique for showing the relation of tomographic myocardial perfusion images obtained with thallium-201 to the coronary arteries: correspondence reply 610
 GIBSON D (& Mehmel H, Schwartz F, Li K, Kübler W) Asynchronous left ventricular wall motion early after coronary thrombosis 4
 GIBSON D G (& Mehmel H, Schwartz F, Li K, Kübler W) Changes in left ventricular regional asynchrony after intracoronary thrombolysis 505 P
 — *see also* Arensman F W et al
 Choo M H & Gibson D G
 GILLAN G *see* McAlpine H M et al
 GILLETT G *see* Cleland J G F et al
 Findlay I N et al
 GLAZIER J J (& Chierchia S, Margonato A, Maseri A) Increase in S wave amplitude during transient myocardial ischaemia 523 P
 GOLDBERG M J *see* Mehta D et al
 GOMÉR K ORTH— *see* Orth-Gomér K
 GOODWIN J F The challenge and the reproach of infective endocarditis: correspondence reply 418
 GOOR D A *see* Mohr R et al
 GRAHAM T P *see* Sullivan I D et al
 GREEN K *see* Henriksson P et al
 GREENFIELD A *see* Cumberland D C et al
 GREENSPAN A M *see* Rae A P et al
 GRIBBEN J *see* Simpson I A et al
 GRIEVE L *see* Arensman F W et al
 GRIFFIN B (& Crick J C P, Timmis A D, Sowton E) Evaluation of myocardial ischaemia during percutaneous transluminal coronary angioplasty 512 P
 — *see also* Timmis A D et al
 GRIFFITHS C J *see* Cowan J C et al
 GROUNDS R M *see* Corr L et al
 GUZZI M D *see* Agostoni P G et al
 GUBEN J *see* Cumberland D C et al
 GUERET P (& Buchalter M) Cardiac tamponade in a case of meningoococcal meningitis: case report 214
- HAITES N E *see* Mackenzie J D et al
 McLennan F M et al
 HAJAR R *see* Ekteish F M S A et al
 HALL R *see* Von Bibra H et al
 HALL R J C *see* Odemuyiwa O & Hall R J C
 Peart I et al
 HALLIDIE-SMITH K A Ventricular septal defect and pulmonary hypertension (PHT): a long term follow up study 501 P
 — *see also* Balaram U S V et al
 HAMASHIMA Y *see* Tanaka M et al
 HAMILTON D I *see* Wright J G C et al
 HAMMILL S C *see* McLaran C J et al
 HAMPTON J R *see* Cowley A J et al
 Wilcox R G et al
 HAMSTEN A (& Blomback M, Wiman B, Svensson J, Szamosi A, de Faire U, Mettinger L) Haemostatic function in myocardial infarction 58

- HANDLER C E Investigation of symptom free patients after myocardial infarction: editorial 531
- HANNA W MELDRUM— see Meldrum-Hanna W
- HANNA W G MELDRUM— see Meldrum-Hanna W G
- HARAOKA S see Saito D et al
- HARDARSON T see Eliasson G J et al
- HARJULA A see Kupari M et al
- HARMSEN E see Rajagopalan B et al
- HARTLEY G see Khalil M N et al
- HARTWIG J see Casazza F et al
- HASTREITER A R see Thanopoulos B D et al
- HATTORI R see Sakaguchi K et al
- HAUGLAND H (& Ohm O-J, Boman H, Thorsby E) Hypertrophic cardiomyopathy in three generations of a large Norwegian family: a clinical, echocardiographic, and genetic study 168
- HAWKER R see Meldrum-Hanna W et al
- HAWKER R E see Meldrum-Hanna W G et al
- HAYES M J see Wilcox R G et al
- HAYWARD R (& Emanuel R, Nabarro J D N) Acromegalic heart disease: clinical features and results of treating the acromegaly 520 P
- HENDERSON A H see Mulligan I P et al
- HENDERSON E see Cleland J G F et al
- McAlpine H M et al
- HENDRY W G see Webb S C et al
- HENRIKSSON P (& Wennmalm Å, Edhag O, Vesterqvist O, Green K) In vivo production of prostacyclin and thromboxane in patients with acute myocardial infarction 543
- HESS J (& Mooyaart E L, Busch H J, Bergstra A, Landsman M L J) Percutaneous transluminal balloon angioplasty in restenosis of coarctation of the aorta 459
- HESSLEIN P see Camm A J et al
- HICKET A J (& Wilcken D E L) Age and the clinical profile of idiopathic mitral valve prolapse 582
- HILAIRE J see Lévy S et al
- HILTON C J see Cowan J C et al
- HIRSCH I see Blomström-Lundqvist C et al
- HJALMARSON A see Blomström-Lundqvist C et al
- HODSON M E see Redington A N et al
- HOFFMANN A (& Pfisterer M, Stulz P, Schmitt H E, Burkart F, Burckhardt D) Non-invasive grading of aortic regurgitation by Doppler ultrasonography 283
- HOGSTEDT C see Orth-Gomér K et al
- HOLMES D R see McLaran C J et al
- HONEY M A case of fatal peripartum cardiomyopathy: correspondence 114
- HORNLING R S see Jones R I et al
- HOROWITZ L N see Rae A P et al
- HOUSTON A B (& Simpson I A, Sheldon C D, Doig W B, Coleman E N) Doppler ultrasound in the estimation of the severity of pulmonary infundibular stenosis in infants and children 381
— see also Simpson I A et al
- HUBNER P J B see Khalil M N et al
- HUTCHINSON S (& Belch J, Smith E, Forbes C, Lorimer A R) Free radical generation in coronary and peripheral vascular disease 527 P
- HUTTON I see Simpson I A et al
- Tweddel A et al
- IHLEN H see Zhang Y et al
- IKRAM S see Rosenthal E et al
- IMAI Y see Momma K et al
- IONESCU M I (& Tandon A P, Chidambaram M, Silverton N P) Ten years' clinical experience with the pericardial xenograft 509 P
- ISMAIL M BEN see Ben Ismail M
- JACK C M (& Cleland J, Geddes J S) Left atrial rhabdomyosarcoma and the use of digital gated computed tomography in its diagnosis: case report 305
- JACKSON N C see Silverton N P et al
- JAMES M A see Walker P R et al
- JAMIESON M P G see Reid J M et al
- JOHNSON D see Meldrum-Hanna W et al
- JONES J M B see Simpson I A et al
- JONES J V see Channer K S et al
- JONES M see Schofield P M et al
- JONES O see Ladusana E J et al
- JONES R I (& Cashman P M M, Hornung R S, Prince H, Bassein L, Raftery E B) Ambulatory blood pressure and assessment of pacemaker function 462
(& Lahiri A, Cashman P M M, Dore C, Raftery E B) Left ventricular function during isometric hand grip and cold stress in normal subjects 246
— see also O'Hara M J et al
- JOY M see Cripps T et al
- Wilcox R G et al
- JULIAN D see Chamberlain D et al
- JUNQUEIRA L F see Marin-Neto J A et al
- KALOGEROPOULOS C K see Kolettis M T et al
- KARAS S see Balaram U S V et al
- KARLSSON E see Nylander E et al
- KASAB S AL see Al Kasab S
- KATZ R (& Conroy R M, Robinson K, Mulcahy R) The aetiology and prognostic implications of reciprocal electrocardiographic changes in acute myocardial infarction 423
- KAWAI C see Sakaguchi K et al
- Tanaka M et al
- KAY H R see Rae A P et al
- KHALIL M N (& Thornback J R, Patel K M, Early M Y, Hartley G, Taylor D N, Berry J M, Hubner P J B) The clinical value of a new myocardial imaging agent - technetium-99m tertiary butyl isonitrile (Tc-99m BIN) 510 P
- KHAN M M see MacLennan B A et al
- Varma M P S et al
- KLIGFIELD P (& Okin P M, Ameisen O, Borer J S) Identification of anatomically and functionally severe coronary artery disease by the ST segment/heart rate slope 517 P
- Lead specificity of the maximum ST/heart rate slope response: correspondence 529
- KOLETTIS M T (& Kalogeropoulos C K, Tzannetis G S, Vitakis S K, Xaplanteris P P, Novas I A) Radiation of anginal pain to the legs 211
- KRIKLER D M see Webb S C et al
- KRON J (& Standerfer R J, Starr A) Severe mitral regurgitation in a woman with a double orifice mitral valve; case report 109
- KÜBLER W see Gibson D et al
- KÜBLER W see Gibson D G et al
- KULATILAKE N see Angelini G D et al
- KUPARI M (& Harjula A, Mattila S) Auscultatory characteristics of normally functioning Lillehei-Kaster, Björk-Shiley, and St Jude heart valve prostheses 364
- KUROSAWA H see Momma K et al
- KUTAYLI F see Malouf J et al
- L'ABBATE A see Donato L et al
- LA VECCHIA L see Bruno L et al
- LADUSANS E J (& Crawford D, Allan L, Tynan M, Curry P V L) Natural history and prognosis of fetal tachycardias 500 P
(& Jones O, Tynan M, Curry P V L) Activity sensing rate responsive permanent cardiac pacing in very young children 508 P
- LAHIRI A see Jones R I et al
- O'Hara M J et al
- Rodrigues R et al
- LAIRD E E see Gibson C J et al
- LANDSMAN M L J see Hess J et al
- LANHAM J G see Fitzpatrick A P et al
- LAPIDUS L (& Bengtsson C) Socioeconomic factors and physical activity in relation to cardiovascular disease and death. A 12 year follow up of participants in a population study of women in Gothenburg, Sweden 295

- LARGE S R *see* Davies D W *et al*
 LAU K C *see* Leung M P *et al*
 LAWRENCE G *see* Schofield P M *et al*
 LAWSON R A M *see* Schofield P M *et al*
 LAYTON C *see* Lyons J *et al*
 Norell M S *et al*
 LEECH G *see* Chambers J & Leech G
 LEO M D *see* Di Leo M
 LEUNG M P (& Mok C K, Lo R N S, Lau K C) An echocardiographic study of perimembranous ventricular septal defect with left ventricular to right atrial shunting 45
 LEVAL M D *see* de Leval M
 LEVAL M R D *see* de Leval M R
 LEVY R (& Shapiro L M, Wright C, Mockus L, Fox K M) The significance of ST segment depression in syndrome X assessed by ambulatory pulmonary artery pressure monitoring 518 P
 LEVY R D (& Cunningham D, Shapiro L M, Wright C, Mockus L, Fox, K M) Continuous ambulatory pulmonary artery pressure monitoring. A new method using a transducer tipped catheter and a simple recording system 336
 (& Shapiro L M, Cunningham A D, Wright C, Mockus L, Fox K M) Diurnal variation in pulmonary artery diastolic pressure: a mechanism for early morning myocardial ischaemia 518 P
 LEVY S (& Hilaire J, Albin H, Corbelli J-L, Burtey J-P, Bricaud H, Gérard R) A new method for evaluating the effect of anti-arrhythmic drugs on atrioventricular nodal conduction 569
 LEWIS M J *see* Mulligan I P *et al*
 LEWIS S *see* Rosenthal E *et al*
 LI K *see* Gibson D *et al*
 Gibson D G *et al*
 LINDBLAD A *see* Blomström-Lundqvist C *et al*
 LIPKIN D P (& Canepa-Anson R, Steohens M R, Poole-Wilson P) A) Factors determining symptoms in heart failure: comparison of fast and slow exercise tests 439
 LITTNER W A *see* Gammie M D *et al*
 Tan L B *et al*
 LO R N S *see* Leung M P *et al*
 LORIMER A R *see* Hutchison S *et al*
 LOUIE E K (& Maron B J) Familial spontaneous complete heart block in hypertrophic cardiomyopathy 469
 LUNDQVIST C BLOMSTRÖM- *see* Blomström-Lundqvist C
 LYONS J (& Norell M, Gardener J, Balcon R, Layton C) Phase and amplitude analysis of exercise digital left ventriculograms: a new method of detecting myocardial ischaemia 526 P
 — *see also* Norell M S *et al*
 McALPINE H M (& Findlay I N, Gillan G, Henderson E, Wilson J T, Dargie H J) Neuroendocrine mechanisms in acute myocardial infarction 503 P
 MACARTNEY F J *see* Sullivan I D *et al*
 MCCCLUSKEY D R *see* Varma M P S *et al*
 McGHIE I *see* Tweddell A *et al*
 MACIEL B C *see* Marin-Neto J A *et al*
 MCILWAINE W J (& Donnelly M D I, Mallaghan M, Chivers A T, Evans A E, Elwood J H, Adey A A J, Campbell N P S, Geddes J S) Deaths from ischaemic heart disease in Belfast 330
 MCKAY R *see* Wright J G C *et al*
 MACKENZIE J D (& Haites N E, Rawles J M) Method of assessing the reproducibility of blood flow measurement factors influencing the performance of thermodilution cardiac output computers 14
 — *see also* McLennan F M *et al*
 MCKILLOP G *see* Todd I C *et al*
 MCILARAN C J (& Gersh B J, Osborn M J, Wood D L, Sugrue D D, Holmes D R, Hammill S C) Increased vagal tone as an isolated finding in patients undergoing electro-physiological testing for recurrent syncope: response to long term anticholinergic agents 53
 MACLENNAN B A (& McMaster A, Webb S W, Khan M M, Adey A A J) High dose intravenous streptokinase in acute myocardial infarction - short and long term prognosis 231
 (& Maguire C, Campbell N F S) Doppler echocardiographic determination of flow from five cardiac locations: a comparison with thermodilution 517 P
 MCLENNAN F M (& Haites N E, Mackenzie J D, Daniel M K, Rawless J M) Reproducibility of linear cardiac output measurement by Doppler ultrasound alone 25
 MACLEOD K *see* Findlay I N *et al*
 MCCLINTIC A J (& Tweddell A) Place of anti-arrhythmic therapy in acute myocardial infarction? 522 P
 MCMASTER A *see* MacLennan B A *et al*
 MACMILLAN R M *see* Rees M R *et al*
 MCWILLIAMS E *see* Erwin J *et al*
 MAGUIRE C *see* MacLennan B A *et al*
 MALCOLM A D *see* Wilcox R G *et al*
 MALLAGHAN M *see* McIlwaine W J *et al*
 MALOUF J (& Gharzuddine W, Kutayli F) A reappraisal of the prevalence and clinical importance of left ventricular false tendons in children and adults 587
 MANNINEN V *see* Toivonen L K *et al*
 MARANHAD V *see* Rees M R *et al*
 MARGONATO A *see* Glazier J J *et al*
 MARIN-NETO J A (& Maciel B C, Gallo L, Junqueira L F, Amorim D S) Effect of parasympathetic impairment of the haemodynamic response to handgrip in Chaga's heart disease 204
 MARKLUND T *see* Nylander E *et al*
 MARON B J *see* Louie E K & Maron B J
 MARTIN R (& Mitchell A, Dhaballa N) Late pericardial tamponade and coronary arteriovenous fistula after trauma: case report 216
 — (& Radley-Smith R, Yacoub M H) Arrhythmias before and after anatomical correction of transposition of the great arteries 500 P
 MARTIN W *see* Tweddell A *et al*
 MASERI A *see* Glazier J J *et al*
 MASSIE B (& Conway M, Yonge R, Frostick S, Rajagopalan B, Radha G K) ³¹P nuclear magnetic resonance evaluation of skeletal muscle metabolism during exercise in congestive heart failure 527 P
 MATHER H G *see* Wilcox R G *et al*
 MATTILA S *see* Kupari M *et al*
 MAURER B *see* Erwin J *et al*
 MAURER B J *see* Quigley P J *et al*
 MEHMEL H *see* Gibson D *et al*
 MEHMEL H *see* Gibson D G *et al*
 MEHTA D (& Warwick G L, Goldberg M J) QT prolongation after ampicillin anaphylaxis: case report 308
 MEIJLER F L Comparative aspects of the dual role of the human atrioventricular node 286
 MELDRUM-HANNA W G (& Cartmill T B, Hawker R E, Celermajer J M, Wright C M) Accessory mitral valve tissue causing left ventricular outflow tract obstruction 376
 — (& Cartmill T, Johnson D, Celermajer J, Hawker R) Late results of right ventricular outflow tract reconstruction with Björk-Shiley valved conduits 371
 METTINGER L *see* Hamsten A *et al*
 MIKHAILIDIS D P (& Dandona P, Baron D N) Effect of timolol on changes in serum potassium concentration during acute myocardial infarction: correspondence 113
 MITCHELL A *see* Martin R *et al*
 MITCHELL A G (& Yacoub M H) Haemodynamic function over five years after orthotopic cardiac transplantation 521 P
 — Ventricular function following heterotopic cardiac transplantation 509 P
 — *see also* Reid C J *et al*
 MITTRA B *see* Gibson C J *et al*
 MOCKUS L *see* Crake T *et al*
 Levy R *et al*
 Levy R D *et al*
 MODENA L *see* Nicolosi G L *et al*
 MOHR R (& Smolinsky A, Ziskind Z, Quang H T, Goor D A) Negative right ventricular diastolic pressure after operation for pulmonary valve stenosis: the phenomenon and its relation to volume load and conal contraction 92
 MOK C K *see* Leung M P *et al*

- MOMMA K (& Takao A, Ando M, Nakazawa M, Satomi G, Imai Y, Takanashi Y, Kurosawa H) Juxtaductal left pulmonary artery obstruction in pulmonary atresia 39
- MONTANES P *see* Rozkovec A *et al*
- MOOYAART E L *see* Hess J *et al*
- MORELLO P *see* Fubini A *et al*
- MORPURGO M *see* Casazza F *et al*
- MORTENSEN S A (& Olsen H S, Baandrup U) Chronic anthracycline cardiotoxicity: haemodynamic and histopathological manifestations suggesting a restrictive endomyocardial disease 274
- MORTON P *see* Richardson S G *et al*
- MUIR A L *see* Been M *et al*
- MULCAHY R *see* Katz R *et al*
- MULLIGAN I P (& Fraser A G, Tirlapur V G, Lewis M J, Henderson A H) Chronic enalapril treatment reduces myocardial nor-adrenaline response to exercise in heart failure 502 P
- MURRAY A *see* Cowan J C *et al*
- MURRAY D P *see* Tan L B *et al*
- MURRAY N H (& Rothman M T) Planned day case Sones's technique cardiac catheterisation 515 P
- MURRAY R G (& Flint J) New technique for showing the relation of tomographic myocardial perfusion images obtained with thallium-201 to the coronary arteries: correspondence 610
—*see also* Gammie M D *et al*
 Tan L B *et al*
- MURTAGH J G *see* Richardson S G *et al*
- MYHRE E *see* Zhang Y *et al*
- NABARRO J D N *see* Hayward R *et al*
- NADEAU R *see* Shenasa M *et al*
- NAGASHIMA H *see* Saito D *et al*
- NAKATSU T *see* Saito D *et al*
- NAKAWA M *see* Momma K *et al*
- NATHAN A W (& Elistob J E, Camm A J) The misdiagnosis of ventricular tachycardia – results of a postal survey 513 P
—*see also* Davies D W *et al*
- NELSON G I C *see* Silverton N P *et al*
- NETO J A MARIN- *see* Marin-Neto J A
- NEWBY A C *see* Angelini G D *et al*
- NICOLOSI G L (& Pungercic E, Cervesato E, Modena L, Zanuttini D) Analysis of interobserver and intraobserver variation of interpretation of the echocardiographic and Doppler flow determination of cardiac output by the mitral orifice method 446
- NIELSEN T T (& Bagger J P, Thomassen A) Improved myocardial lactate extraction after propranolol in coronary artery disease: effected by peripheral glutamate and free fatty acid metabolism 140
- NIEMINEN M S *see* Toivonen L K *et al*
- NITTER-HAGUE S *see* Zhang Y *et al*
- NONOGI H *see* Sakaguchi K *et al*
- NORELL M *see* Lyons J *et al*
- NORELL M S (& Lyons J, Layton C, Balcon R) Outcome of early surgery after coronary angioplasty 223
—*see also* Bayliss J *et al*
- NORTHCOTE R J (& Flannigan C, Ballantyne D) Sudden death and vigorous exercise – a study of 60 deaths associated with squash 198
- NOVAS I A *see* Kolettis M T *et al*
- NYLANDER E (& Ekman I, Marklund T, Sinnerstad B, Karlsson E, Wranne B) Severe aortic stenosis in elderly patients 480
- OAKLEY C M *see* Rozkovec A *et al*
- OAKLEY G D G Coronary angioplasty – what can we reasonably expect? editorial 221
- O'BRIEN I A D (& O'Hare P, Corrall R J M) Heart rate variability in healthy subjects: effect of age and the derivation of normal ranges for tests of autonomic function 348
- ODEMUYIWA O (& Hall R J C) Assessing the severity of valve stenosis: editorial 117
—*see also* Peart I *et al*
- O'HARA M J (& Jones R I, Lahiri A, Raftery E B) Changes in left ventricular function during exercise and their relation to ST segment changes in patients with angina 148
- O'HARE P *see* O'Brien I A D *et al*
- OHM O-I *see* Haugland H *et al*
- O'KANE H O *see* Varma M P S *et al*
- O'KEEFE D B *see* Richardson S G *et al*
- O'KEEFE J C *see* Caplin J L *et al*
- OKIN P M *see* Kligfield P *et al*
- OLDERSHAW P J *see* Redington A N *et al*
- OLESEN H S *see* Mortensen S A *et al*
- OLSSON S B *see* Blomström-Lundqvist C *et al*
- ONODERA T *see* Tanaka M *et al*
- ORTH-GOMÉR K (& Hogstedt C, Bodin L, Söderholm B) Frequency of extrasystole in healthy male employees 259
- ORTIZ E (& de Leval M, Somerville J) Ductus arteriosus associated with an anomalous left coronary artery arising from the pulmonary artery: catastrophe after duct ligation: case report 415
- ORZAN F *see* Fubini A *et al*
- OSBORN M J *see* McLaran C J *et al*
- PALLA T *see* Donato L *et al*
- PÄLSSON K *see* Eliasson G J *et al*
- PAPOUCHADO M *see* Walker P R *et al*
- PASSANI S *see* Angelini G D *et al*
- PATEL K M *see* Kahlil M N *et al*
- PEART I (& Seth L, Albers C, Odemuyiwa O, Hall R J C) Post-infarction exercise testing in patients under 55 years: relation between ischaemic abnormalities and the extent of coronary artery disease 67
- PFISTERER M *see* Hoffman A *et al*
- PIACENTI M *see* Donato L *et al*
- PICCONE U *see* Casazza F *et al*
- POLESE A *see* Agostoni P G *et al*
- POOLE-WILSON P *see* Bayliss J *et al*
- POOLE-WILSON P A *see* Lipkin D P *et al*
 Webb S C & Poole-Wilson P A
- PRANDI M *see* Bruno L *et al*
- PRESIBTERO P *see* Fubini A *et al*
- PRESCOTT M *see* Schofield P M *et al*
- PRINCE H *see* Jones R I *et al*
- PRIOR A *see* Edwards D *et al*
- PUMPHREY C W (& Fay T, Weir I) Aortic dissection during pregnancy: case report 106
- PUNGERCIC E *see* Nicolosi G L *et al*
- QUANG H T *see* Mohr R *et al*
- QUIGLEY P J (& Erwin J, Maurer B J, Walsh M J, Gearty G F) Percutaneous transluminal coronary angioplasty in unstable angina: comparison with stable angina 227
- QURESHI S A (& Radley-Smith R, Yacoub M H) Determinants of survival after repair of total anomalous pulmonary venous drainage 521 P
- QUYYUMI A A *see* Crake T *et al*
- RADDA G K *see* Massie B *et al*
 Rajagopalan B *et al*
- RADEMAKER M (& Shaw T R D, Williams B C, Duncan F M, Corrie J, Eglen A, Edwards C R W) Intravenous captopril treatment in patients with severe cardiac failure 187
- RADLEY-SMITH R *see* Arensman F W *et al*
 Martin R *et al*
 Qureshi S A *et al*
- RAE A P (& Greenspan A M, Kay H R, Horowitz L N) Drug related arrhythmia induction during electrophysiological testing 514 P
—*see also* Simpson I A *et al*
- RAFTERY E B *see* Jones R I *et al*
 O'Hara M J *et al*
 Rodrigues R *et al*
- RAJAGOPALAN B (& Ramsey J, Harmsen E, Bore P, Radda G K) Biochemical changes during repeated occlusion and reperfusion of a coronary artery in the rabbit: a ³¹P magnetic resonance spectroscopy study 527 P

- see also* Massie B *et al*
- RAMSEY J *see* Rajagopalan B *et al*
- RANKIN A C *see* Simpson I A *et al*
- RANKIN D *see* Gibson C J *et al*
- RAPHAEL M J (& Tomlinson N E) Radiation hazards for cardiologists: editorial 421
- RAWLES J M *see* Mackenzie J D *et al*
- McLennan F M *et al*
- Towfig B A *et al*
- REDINGTON A N (& Rigby M L, Hodson M E, Oldershaw P J) Characterisation of the normal right ventricular pressure-volume loop using biplane ventriculography and simultaneous high fidelity pressure measurement 525 *P*
- REES G M *see* Davies D W *et al*
- REES J R *see* Walker P R *et al*
- REES M R (& Macmillan R M, Maranhao V, Clark D L) Can left ventricular ejection fraction by cine computer tomography be determined by a single slice? 510 *P*
- REID C J (& Mitchell A G, Fox K, Yacoub M H) Accelerated graft coronary arteriosclerosis after cardiac transplantation: can it be diagnosed non-invasively? 522 *P*
- REID J M (& Jamieson M P G, Cowan M D) Unilateral pulmonary vein stenosis: case report 599
- RIBEIRO P *see* Al Zaibag M *et al*
- RICHARDSON S G (& Morton P, Murtagh J G, Scott M E, O'Keeffe D B) Analysis of electrocardiographic changes occurring during thrombolytic therapy for acute myocardial infarction 505
- RIDGWAY J P *see* Been M *et al*
- RIGBY M L *see* Redington A N *et al*
- ROBERTS K D *see* Sibley Y D L *et al*
- ROBINSON K *see* Katz R *et al*
- ROBINSON P J *see* Sullivan I D *et al*
- ROBISON A K *see* Fox K A A *et al*
- RODRIGUEZ R (& Lahiri A, Raftery E B) An objective non-invasive method for detecting early diastolic dysfunction in patients with coronary artery disease 511 *P*
- RODRIGUEZ R U *see* Fox K A A *et al*
- ROELANDT J R T C *see* Zijlstra F *et al*
- ROOTWELL K *see* Zhang Y *et al*
- ROSENTHAL E (& Lewis S, Sram I, Thomas N, Ikram S, Vincent R, Chamberlain D A) External non-invasive temporary cardiac pacing 524 *P*
- ROSOFF M H (& Cohen M V) Profound bradycardia after amyl nitrite in patients with a tendency to vasovagal episodes 97
- ROTHMAN M T *see* Murray N H & Rothman M T
- ROWLEY J M *see* Cowley A J *et al*
- Wilcox R G *et al*
- ROZKOVEC A (& Montanes P, Oakley C M) Factors that influence the outcome of primary pulmonary hypertension 449
- SADR-AMELI M A *see* Shenasa M *et al*
- SAITO D (& Ueeda M, Abe Y, Tani H, Nakatsu T, Yoshida H, Haraoka S, Nagashima H) Treatment of paroxysmal supraventricular tachycardia with intravenous injection of adenosine triphosphate 291
- SAKAGUCHI K (& Hattori R, Yui Y, Takatsu Y, Susawa T, Yui N, Nonogi H, Tamaki S, Kawai C) Altered platelet α_2 adrenoceptor in acute myocardial infarction and its relation to plasma catecholamine concentrations 434
- SALIH M *see* Tan L B *et al*
- SANBORN T A *see* Cumberland D C *et al*
- SARNOFF S S *see* Fox K A A *et al*
- SATOMI G *see* Momma K *et al*
- SCHMITT H E *see* Hoffmann A *et al*
- SCHOFIELD P M (& Bowes R J, Lawrence G, Prescott M, Brooks N, Bennett D H) Impaired right ventricular function following transvenous fulguration of atrioventricular conduction 506 *P*
- (& Bray C L, Brooks N) Dissecting aneurysm of the thoracic aorta presenting as right atrial obstruction: case report 302
- (& Jones M, Lawson R A M, Deiraniya A K, Ward C, Bray C L) The effect of right and left ventricular function on early and late mortality following surgical repair of post-infarction ventricular septal defect 508 *P*
- SCHWARZ F *see* Gibson D *et al*
- Gibson D G *et al*
- SCOTT M E *see* Richardson S G *et al*
- SETH L *see* Peart I *et al*
- SHAPIRO L M *see* Levy R *et al*
- Levy R D *et al*
- SHAW T R D *see* Rademaker M *et al*
- SHELDON C D *see* Houston A B *et al*
- SHENASA M (& Sadr-Ameli M A, Fromer M, Faugère G, Nadeau R) Indirect evidence for participation of His Purkinje system in ventricular activation during ventricular tachycardia 514 *P*
- SHERIDAN D *see* Collins P & Sheridan D
- SHINEBOURNE E A *see* Bowyer J J *et al*
- SIBLEY Y D L (& Roberts K D, Silove E D) Surgical correction of isolated persistent left superior vena cava draining to left atrium in a neonate: case report 605
- SIGFUSSON N *see* Eliasson G J *et al*
- SILOVE E D *see* Sibley Y D L *et al*
- SILVERTON N P (& Jackson N C, Nelson G I C) Single vessel angioplasty in multiple vessel disease 511 *P*
- see also* Ionescu M I *et al*
- SIMPSON I A (& Houston A B, Rankin A C, Rae A P) Assessment of the haemodynamic consequences of varying pacemaker modality by Doppler ultrasound 507 *P*
- (& Rae A P, Simpson K, Gribbin J, Jones J M B, Allison M E M, Hutton I) Ultrafiltration in the management of refractory congestive heart failure 344
- see also* Houston A B *et al*
- SIMPSON K *see* Simpson I A *et al*
- SINNERSTAD B *see* Nylander E *et al*
- SLAMA R *see* Beaufils Ph & Slama R
- SMITH E *see* Hutchison S *et al*
- SMITH K A HALLIDIE- *see* Hallidie-Smith K A
- SMITH M A *see* Been M *et al*
- SMITH R RADLEY- *see* Radley-Smith R
- SMOLINSKY A *see* Mohr R *et al*
- SOBEL B E *see* Fox K A A *et al*
- SÖDERHOLM B *see* Orth-Gomér K *et al*
- SOMERVILLE J *see* Ortiz E *et al*
- SONEL A *see* Candan I *et al*
- SOWTON E *see* Griffin B *et al*
- Timmis A D *et al*
- SPINNLER M T *see* Fubini A *et al*
- SPURRELL R A J *see* Caplin J L *et al*
- SRAM I *see* Rosenthal E *et al*
- STAINER K *see* Cowley A J *et al*
- STANDERFER R J *see* Kron J *et al*
- STARR A *see* Kron J *et al*
- STEELE R H *see* Adkins G F & Steele R H
- STEPHENS M R *see* Lipkin D P *et al*
- Watt A H & Stephens M R
- STIRLING K W *see* Cleland J G F *et al*
- STULZ P *see* Hoffmann A *et al*
- SUGRUE D D *see* McLaran C J *et al*
- SULLIVAN I D (& Robinson P J, de Leval M R, Macartney F J, Graham T P) Membranous supravalvar mitral stenosis: a potentially curable form of congenital heart disease 501 *P*
- SUSAWA T *see* Sakaguchi K *et al*
- SUTTON G *see* Bayliss J *et al*
- SVENNSSON J *see* Hamsten A *et al*
- SZAMOSI A *see* Hamsten A *et al*
- TAKANASHI Y *see* Momma K *et al*
- TAKAO A *see* Momma K *et al*
- TAKATSU Y *see* Sakaguchi K *et al*
- TAKTAK M *see* Ben Ismail M *et al*
- TAMAKI S *see* Sakaguchi K *et al*
- TAMBORINI G *see* Agostoni P G *et al*
- TAN L B (& Murray D P, Weissberg P L, Salih M, Murray R G,

- Littler W A) False positive ST segment depression during post-myocardial infarction exercise testing 517 *P*
- TANAKA M (& Fujiwara H, Onodera T, Wu D-J, Hamashima Y, Kawai C) Quantitative analysis of myocardial fibrosis in normals, hypertensive hearts, and hypertrophic cardiomyopathy 575
- TANDON A P *see* Ionescu M I *et al*
- TANI H *see* Saito D *et al*
- TANSUPHASWADIKUL S *see* Cowan J C *et al*
- TAYLER D I *see* Cumberland D C *et al*
- TAYLOR D N *see* Khalil M N *et al*
- THADANI U Improvement in angina pectoris with alpha adrenoceptor blockade: correspondence 219
- THANOPoulos B D (& Fisher E A, Hasteire A R) Large ductus arteriosus and intact ventricular septum associated with congenital absence of the pulmonary valve: case report 602
- THOMAS A C (& Davies M J, Dilly S, Dilly N, Franc F) Potential errors in the estimation of coronary arterial stenosis from clinical arteriography with reference to the shape of the coronary arterial lumen 129
- THOMAS N *see* Rosenthal E *et al*
- THOMASSEN A *see* Nielsen T T *et al*
- THORNBACK J R *see* Khalil M N *et al*
- THORSBY E *see* Haugland H *et al*
- TIMMIS A D (& Griffin B, Crick J C P, Sowton E) Placebo controlled investigation of anisoylated plasminogen streptokinase activator complex (APSAC) for thrombolysis in acute myocardial infarction 504 *P*
—*see also* Griffin B *et al*
- TIRLAPUR V G *see* Mulligan I P *et al*
- TODD I C (& McKillop G, Ballantyne D) Left ventricular structure and function in bodybuilders 520 *P*
- TOIVONEN L K (& Nieminen M S, Manninen V, Frick M H) Conversion of paroxysmal atrial fibrillation to sinus rhythm by intravenous pirenadol: a placebo controlled study 176
- TOMLINSON N E *see* Raphael M J & Tomlinson N E
- TOWFIQ B A (& Weir J, Rawles J M) Effect of age and blood pressure on aortic size and stroke distance 560
- TRABELSI S *see* Ben Ismail M *et al*
- TRAMARIN R *see* Casazza F *et al*
- TURCO G *see* Fubini A *et al*
- TWEDDEL A (& Martin W, McGhie I, Hutton I) The relevance of coronary collateral flow in preserving left ventricular function 516 *P*
—*see also* McLintic A J & Tweddel A
- TYNAN M *see* Ladusans E J *et al*
- TZANNETIS G C *see* Kolettis M T *et al*
- UEEDA M *see* Saito D *et al*
- ULM K *see* Von Bibra H *et al*
- VALLIN H O *see* Bexton R S *et al*
- VARMA M P S (& McCluskey D R, Khan M M, Cleland J, O'Kane H O, Adgey A A J) Heart failure associated with infective endocarditis: a review of 40 cases 191
- VECCHIA L LA *see* La Vecchia L
- VESTERQVIST O *see* Henriksson P *et al*
- VINCENT R *see* Rosenthal E *et al*
- VITAKIS S K *see* Kolettis M T *et al*
- VOHRA J *see* Cammi A J *et al*
- VON BIBRA H (& Wirtzfeld A, Hall R, Ulm K, Blömer H) Mitral valve closure and left ventricular filling time in patients with VDD pacemakers. Assessment of the onset of left ventricular systole and the end of diastole 355
- WAINWRIGHT R J *see* Davies D W *et al*
- WALKER P R Abrupt withdrawal of atenolol in patients with severe angina: comparison with the effects of treatment: correspondence reply 112
—(& James M A, Wilde R P H, Wood C H, Rees J R) Dipyridamole combined with exercise for thallium-201 myocardial imaging 321
—(& Papouchado M, Fraser J R, Wilde R P H) Influence of R wave amplitude and Q waves on exercise induced ST segment depression 524 *P*
- WALSH M J *see* Quigley P J *et al*
- WARD C *see* Schofield P M *et al*
- WARWICK G L *see* Mehta D *et al*
- WATT A H (& Stephens M R) Myocardial infarction after blunt chest trauma incurred during rugby football that later required cardiac transplantation: case report 408
- WEBB S C (& Hendry W G, Bloom S R, Krikler D M) Somatostatin: a neuroregulatory peptide with electrophysiological activity 513 *P*
—(& Poole-Wilson P A) Potassium exchange in the human heart during atrial pacing and myocardial ischaemia 554
- WEBB S W *see* MacLennan B A *et al*
- WEIR I *see* Pumphrey C W *et al*
- WEIN J *see* Towfig B A *et al*
- WEISSBERG P L *see* Tan L B *et al*
- WELSH C L *see* Cumberland D C *et al*
- WENNMALM Å *see* Henriksson P *et al*
- WHITTAKER S *see* Edwards D *et al*
- WHITWAM J G *see* Corr L *et al*
- WILCKEN D E L *see* Hickey A J & Wilcken D E L
- WILCOX R G (& Hampton J R, Banks D C, Birkhead J, Brooksby I, Burns-Cox C, Hayes M J, Joy M, Malcolm A D, Mather H G, Rowley J M) Trial of early nifedipine treatment in patients with suspected myocardial infarction (the TRENT study) 506 *P*
- WILDE P *see* Channer K S *et al*
- WILDE R P H *see* Walker P R *et al*
- WILKINSON J L *see* Wright J G C *et al*
- WILLIAMS B C *see* Rademaker M *et al*
- WILLIAMS E D *see* Gibson C J *et al*
- WILLIAMS H M J *see* Angelini G D *et al*
- WILSON J T *see* McAlpine H M *et al*
- WILSON N *see* Gerlis L M *et al*
- WILSON P POOLE- *see* Poole-Wilson P
- WILSON P A POOLE- *see* Poole-Wilson P A
- WIMAN B *see* Hamsten A *et al*
- WIRTZFELD A *see* Von Bibra H *et al*
- WOOD C H *see* Walker P R *et al*
- WOOD D L *see* McLaran C J *et al*
- WRANNE B *see* Nylander E *et al*
- WRIGHT C *see* Crake T *et al*
Levy R *et al*
Levy R D *et al*
- WRIGHT C M *see* Meldrum-Hanna W G *et al*
- WRIGHT J G C (& Arnold R, Bini R M, Wilkinson J L, Hamilton D I, McKay R) Percutaneous balloon dilatation of right ventricular outflow tract and pulmonary valve in patients with tetralogy of Fallot 516 *P*
- WU D-J *see* Tanaka M *et al*
- KAPLANTERIS P P *see* Kolettis M T *et al*
- YACOUB M H *see* Arensman F W *et al*
Martin R *et al*
Mitchell A G & Yacoub M H
Qureshi S A *et al*
Reid C J *et al*
- YONGE R *see* Massie B *et al*
- YOSHIDA H *see* Saito D *et al*
- YUI N *see* Sakaguchi K *et al*
- YUI Y *see* Sakaguchi K *et al*
- ZAIBAG M AL *see* Al Zaibag M
- ZANUTTINI D *see* Nicolosi G L *et al*
- ZHANG Y (& Nitter-Hague S, Ihlen H, Rootwelt K, Myhre E) Measurement of aortic regurgitation by Doppler echocardiography 32
- ZIJLSTRA F (& Fioretti P, Roelandt J R T C) Echocardiographic demonstration of free wall vegetative endocarditis complicated by a pulmonary embolism in a patient with ventricular septal defect: case report 497
- ZISKIND Z *see* Mohr R *et al*

SUBJECT INDEX

1986, Volume 55

- Accelerated graft coronary arteriosclerosis, after cardiac transplantation, non-invasive diagnosis (Reid *et al.*) 522 *P*
- Acromegalic heart disease, clinical features and results of treating the acromegaly (Hayward *et al.*) 520 *P*
- Adenosine triphosphate, intravenous injection, for paroxysmal supra-ventricular tachycardia (Saito *et al.*) 291
- Afterload reduction, captopril and nifedipine in dilated cardiomyopathy, comparison (Agostoni *et al.*) 391
- Age
and clinical profile of idiopathic mitral valve prolapse (Hickey & Wilcken) 582
effect on aortic size and stroke distance (Towfig *et al.*) 560
- Alpha adreceptor blockade, improvement in angina pectoris: correspondence (Thadani; Collins & Sheridan) 219
- Alpha₂ adrenoreceptor, platelet, altered in myocardial infarction, relation to plasma catecholamine concentrations (Sakaguchi *et al.*) 434
- Ampicillin anaphylaxis, QT prolongation after: case report (Mehta *et al.*) 308
- Amyl nitrite, profound bradycardia after, and vasovagal episodes (Rosoff & Cohen) 97
- Anaphylaxis, ampicillin, QT prolongation after: case report (Mehta *et al.*) 308
- Aneurysms of thoracic aorta, with various causes, diagnostic and surgical management (Bruno *et al.*) 81
- Angina pectoris
continuous left ventricular function during exercise (O'Hara *et al.*) 148
improvement with alpha adreceptor blockade: correspondence (Thadani; Collins & Sheridan) 219
treatment with nifedipine and atenolol (Findlay *et al.*) 240
unstable, percutaneous transluminal coronary angioplasty in, comparison with stable angina (Quigley *et al.*) 227
pain, radiation to legs (Kolettis *et al.*) 211
- Angioplasty
coronary, our expectations: editorial (Oakley) 221
percutaneous transluminal, outcome of early surgery after (Norell *et al.*) 223
in unstable and stable angina, comparison (Quigley *et al.*) 227
percutaneous transluminal balloon, in restenosis of coarctation of aorta (Hess *et al.*) 459
see also Percutaneous single vessel, in multiple vessel disease (Silverton *et al.*) 511 *P*
- Angiotensin converting enzyme inhibitors, and haemodynamic effects of frusemide (Cleland *et al.*) 502 *P*
- Anthracycline cardiotoxicity, chronic, suggesting restrictive endomyocardial disease (Mortensen *et al.*) 274
- Antiarrhythmic drugs, effect on atrioventricular nodal conduction, new method for evaluation (Lévy *et al.*) 566
place in acute myocardial infarction (McLinitic & Tweddel) 522 *P*
- Anticholinergic agents, long term, response of increased vagal tone in recurrent syncope (McLaran *et al.*) 53
- Anticoagulation, cardiac valve prostheses, and pregnancy (Ben Ismail *et al.*) 101
- Aorta, Aortic
arch, third, persistence, with fourth aortic arch agenesis: case report (Ekteish *et al.*) 607
dissection during pregnancy: case report (Pumphrey *et al.*) 106
regurgitation, measurement by Doppler echocardiography (Zhang *et al.*) 32
non-invasive grading by Doppler ultrasonography (Hoffmann *et al.*) 283
size and stroke distance, effect of age and blood pressure (Towfig *et al.*) 560
- stenosis, left ventricular hypertrophy in assessment, comparison of electrocardiographic and echocardiographic measures (Dancy) 155
severe, in the elderly (Nylander *et al.*) 480
- thoracic, aneurysms, with various causes, diagnostic and surgical management (Bruno *et al.*) 81
assessment: editorial (Odemuyiwa & Hall) 117
see also Coarctation
- Arrhythmias
before and after anatomical correction of transposition of great arteries (Martin *et al.*) 500 *P*
induction, drug related, during electrophysiological testing (Rae *et al.*) 514 *P*
see also Antiarrhythmic
- Atenolol
and nifedipine, in angina pectoris (Findlay *et al.*) 240
in severe angina, abrupt withdrawal, comparison with effects of treatment: correspondence (Ashford; Walker) 112
- Atrial, left, rhabdomyosarcoma, diagnosis using digital gated computed tomography: case report (Jack *et al.*) 305
- Atrioventricular node
conduction transvenous fulguration, impaired right ventricular function following (Schofield *et al.*) 506 *P*
effect of antiarrhythmic drugs, new method for evaluation (Lévy *et al.*) 569
dual role, man, comparative aspects (Meijler) 286
- Atrium, right, obstruction, presenting factor in dissecting aneurysm of thoracic aorta: case report (Schofield *et al.*) 302
- Auscultation of prosthetic heart valves (Kupari *et al.*) 364
- Autonomic nervous system influence on diurnal variation of QT interval (Bexton *et al.*) 253
- Balloon dilatation, percutaneous, of right ventricular outflow tract and pulmonary valve, in tetralogy of Fallot (Wright *et al.*) 516 *P*
- β receptor antagonist therapy, effect on diagnostic accuracy of non-invasive tests used in detection of coronary artery disease (Crake *et al.*) 519 *P*
- Biplane ventriculography with simultaneous high fidelity pressure measurement, for characterisation of normal right ventricular pressure-volume loop (Redington *et al.*) 525 *P*
- Björk-Shiley valved conduits, right ventricular outflow tract reconstruction, late results (meldrum-Hanna *et al.*) 371
see also Valve prostheses
- Blood
flow measurement, method of assessing reproducibility, factors influencing performance of thermodilution cardiac output computers (Mackenzie *et al.*) 14
pressure, ambulatory, and assessment of pacemaker function (Jones *et al.*) 462
ambulatory, during chronic DDD and VVI pacing, intra-patient comparison (Boon *et al.*) 508 *P*
effect on aortic size and stroke distance (Towfig *et al.*) 560
- Bodybuilders, left ventricular structure and function (Todd *et al.*) 520 *P*
- Bradycardia, profound, after amyl nitrite, and vasovagal episodes (Rosoff & Cohen) 97
- Captopril
and nifedipine compared, in dilated cardiomyopathy, afterload reduction (Agostoni *et al.*) 391
and prazosin vasodilation in chronic heart failure, double blind study at rest and on exercise (Bayliiss *et al.*) 265
intravenous, in severe cardiac failure (Rademaker *et al.*) 187
- Cardiac
catheterisation, Sones's technique, planned day case (Murray &

- Rothman). 515 P
 output, echocardiographic and Doppler determination, variability, mitral orifice method (Nicolosi *et al.*) 446
 measurement, linear, reproducibility by Doppler ultrasound alone (McLennan *et al.*) 25
 tamponade, in meningococcal meningitis: case report (Guérat & Buchalter). 214
 transplantation, accelerated graft coronary arteriosclerosis after, non-invasive diagnosis (Reid *et al.*) 522 P
 heterotopic, ventricular function following (Mitchell & Yacoub). 509 P
 orthotopic, haemodynamic function over five years after (Mitchell & Yacoub). 521 P
 Cardiogenic shock, without critically raised left ventricular end diastolic pressure, management and outcome, eighteen patients (Edwards *et al.*) 549
 Cardiological assessment, invasive and operation, district general hospital viewpoint (Cripps *et al.*) 488
 Cardiologists, radiation hazards: editorial (Raphael & Tomlinson). 421
 Cardiology, staffing and facilities, United Kingdom 1984, third biennial survey (Chamberlain *et al.*) 311
 Cardiomyopathy
 dilated, afterload reduction, captopril and nifedipine compared (Agostoni *et al.*) 391
 hypertrophic, dual chamber pacing, haemodynamic assessment using radionuclide ventriculography (Erwin *et al.*) 507 P
 familial spontaneous complete heart block in (Louie & Maron). 469
 in three generations of a large Norwegian family, clinical, echocardiographic, and genetic study (Haugland *et al.*) 168
 peripartum, fatal: correspondence (Honey). 114
 Cardiovascular disease and death, socio-economic factors and physical activity, women (Lapidus & Bengtsson). 295
 Catecholamine
 concentrations, plasma, relation to altered platelet α_2 adrenoceptor in myocardial infarction (Sakaguchi *et al.*) 434
 plasma, secretion, during cardiac surgery, double blind comparison of trimetaphan camsylate with sodium nitroprusside (Corr *et al.*) 526 P
 Catheter ablation, high energy, of ventricular tachycardia, three deaths after (Davies *et al.*) 506 P
 Chagas's heart disease, haemodynamic response to handgrip, effect of parasympathetic impairment (Marin-Neto *et al.*) 204
 Chest trauma incurred during rugby fooball, myocardial infarction after, later requiring cardiac transplantation: case report (Watt & Stephens). 408
 Coarctation of the aorta, restenosis, and percutaneous transluminal balloon angioplasty (Hess *et al.*) 459
 Cold stress, left ventricular function during, normal subjects (Jones *et al.*) 246
 Collagen vascular disease, cardiac tumours simulating (Fitzpatrick *et al.*) 592
 Computed tomography, digital gated, use in diagnosis of left atrial rhabdomyosarcoma: case report (Jack *et al.*) 305
 Congenital heart disease, neonate, surgical management: editorial (de Leval). 1
 Congestive heart failure, *see* Heart failure, congestive.
 Coronary
 anatomy and serial changes in left ventricular function on exercise, relation between, study using first pass radionuclide angiography with gold-195m (Caplin *et al.*) 120
 angioplasty *see* Angioplasty
 arteriography, stenosis and lumen shape (Thomas *et al.*) 129
 arteriosclerosis, accelerated graft, after cardiac transplantation, non-invasive diagnosis (Reid *et al.*) 522 P
 arteriovenous fistula, and late pericardial tamponade, after trauma: case report (Martin *et al.*) 216
 artery disease, effect of β receptor antagonist therapy on diagnostic accuracy of non-invasive tests used in detection (Crake *et al.*) 519 P
 improved myocardial lactate extraction after propranolol (Nielsen *et al.*) 140
 need for invasive cardiological assessment and operation, district general hospital viewpoint (Cripps *et al.*) 488
 technetium-99m equilibrium radionuclide angiography (Rodrigues *et al.*) 511 P
 left, dissection, unusual presentation: case report (Adkins & Steele). 411
 stenosis, estimation from clinical arteriography, also shape of lumen (Thomas *et al.*) 129
 bypass grafts, saphenous vein, autologous, avoidance of medial and endothelial damage during surgical preparation (Angelini *et al.*) 509 P
 collateral flow, relevance in preserving left ventricular function (Tweddle *et al.*) 516 P
 thrombosis, asynchronous left ventricular wall motion early after (Gibson *et al.*) 4
 vascular disease, free radical generation (Hutchinson *et al.*) 527 P
 Correction. 310
 Correspondence
 A case of fatal peripartum cardiomyopathy (Honey). 114
 Abrupt withdrawal of atenolol in patients with severe angina: comparison with the effects of treatment (Ashford: Walker). 112
 Effect of timolol on changes in serum potassium concentration during acute myocardial infarction (Mikhailidis *et al.*) 113
 Improvement in angina pectoris with alpha adrenoceptor blockade (Thadani: Collins & Sheridan). 219
 Lead specificity of the maximum ST/heart rate slope response (Kligfield *et al.*) 529
 Myocarditis confirmed by biopsy presenting as acute myocardial infarction (Beaufils & Slama). 420
 New technique for showing the relation of tomographic myocardial perfusion images obtained with thallium-201 to the coronary arteries (Murray & Flint: Gibson *et al.*) 610
 The challenge and the reproach of infective endocarditis (Eykyn: Goodwin). 418
 appearance in presumed congenital absence of left pericardium: case report (Candan *et al.*) 405
 mechanisms of closure of perimembranous ventricular septal defects (Balaram *et al.*) 520 P
 Death
 and cardiovascular disease, socio-economic factors and physical activity (Lapidus & Bengtsson). 295
 sudden, and supraventricular tachycardia terminating pacemakers (Camm *et al.*) 522 P
 Dipyridamole and exercise combined, for thallium-201 myocardial imaging (Walker *et al.*) 321
 Dissecting aneurysm of thoracic aorta, presenting as right atrial obstruction: case report (Schofield *et al.*) 302
 Diurnal variation, QT interval, autonomic nervous system influence (Bexton *et al.*) 253
 Doppler echocardiography (ultrasound)
 and echocardiographic determination of cardiac output, variability, mitral orifice method (Nicolosi *et al.*) 446
 of flow from five cardiac locations, compared with thermodilution (MacLennan *et al.*) 517 P
 and measurement of aortic regurgitation (Zhang *et al.*) 32
 ultrasonography, for non-invasive grading of aortic regurgitation (Hoffmann *et al.*) 283
 in assessment of haemodynamic consequences of varying pacemaker modality (Simpson *et al.*) 507 P
 in estimation of severity of pulmonary infundibular stenosis, infants and children (Houston *et al.*) 381
 pulsed, left ventricular and diastolic pressure in ischaemic heart disease (Channer *et al.*) 511 P
 mechanisms of closure of perimembranous ventricular septal defects (Balaram *et al.*) 520 P

- reproducibility of linear cardiac output (McLennan *et al.*) 25
 Double orifice mitral valve, and severe mitral regurgitation: case report (Kron *et al.*) 109
 Drug related arrhythmia induction, during electrophysiological testing (Rae *et al.*) 514 P
 Ductus arteriosus
 associated with anomalous left coronary artery arising from pulmonary artery, catastrophe after duct ligation: case report (Ortiz *et al.*) 415
 and intact ventricular septum, associated with congenital absence of pulmonary valve: case report (Thanopoulos *et al.*) 602
- Echocardiographic and Doppler flow determination of cardiac output, variability, mitral orifice method (Nicolosi *et al.*) 446
See also Doppler.
- Editorials**
- Assessing the severity of valve stenosis (Odemuyiwa & Hall) 117
 - Coronary angioplasty—what can we reasonably expect (Oakley) 221
 - Investigation of symptom free patients after myocardial infarction (Handler) 531
 - Radiation hazards for cardiologists (Raphael & Tomlinson) 421
 - Surgical management of the neonate with congenital heart disease (de Laval) 1
 - Electrophysiological testing, drug related arrhythmia induction during (Rae *et al.*) 514 P
 - Embolism, pulmonary, in ventricular septal defect, complicating echocardiography of free wall vegetative endocarditis: case report (Zijlstra *et al.*) 497
 - Enalapril
 and frusemide, combined treatment in congestive heart failure, and reversible renal failure: case report (Funck-Bretano *et al.*) 596
 treatment, chronic, reduces myocardial noradrenaline response to exercise in heart failure (Mulligan *et al.*) 502 P
 - Endocarditis
 free wall vegetative, complicated by pulmonary embolism in ventricular septal defect, echocardiography: case report (Zijlstra *et al.*) 497
 pulmonary valve, associated with congenital ventricular septal defect, echocardiographic demonstration: case report (Chambers & Leech) 494
See also Infective endocarditis.
 - Epicardial
 electrocardiograms, recognition of ventricular tachycardia and ventricular fibrillation from timings (Davies *et al.*) 523 P
 repolarisation mapping, man (Cowan *et al.*) 524 P
 - Exercise
 digital left ventriculograms, phase and amplitude analysis, new method of detecting myocardial ischaemia (Lyons *et al.*) 526 P
 electrocardiogram, in diagnosis of multivessel disease after myocardial infarction (Fubini *et al.*) 535
 left ventricular function changes during, relation to ST segment changes in angina (O'Hara *et al.*) 148
 serial changes in left ventricular function, and coronary anatomy, relation between, study using first pass radio-nuclide angiography with gold-195m (Caplin *et al.*) 120
 testing in heart failure, factors determining symptoms (Lipkin *et al.*) 439
 post-infarction, in patients under 55 years (Pearl *et al.*) 67
 vigorous, and sudden death: study of 60 deaths associated with squash (Northcote *et al.*) 198
 - Extrasystoles, frequency in healthy male employees (Orth-Gomér *et al.*) 259
 - First pass radionuclide angiography with gold-195m, assessing relation between coronary anatomy and serial changes in left ventricular function on exercise (Caplin *et al.*) 120
 - Free radical generation in coronary and peripheral vascular disease (Hutchison *et al.*) 527 P
- Friedreich's ataxia, echocardiographic evaluation of verapamil (Cesazza *et al.*) 400
- Frusemide
 and enalapril, combined treatment in congestive heart failure, and reversible renal failure: case report (Funck-Bretano *et al.*) 596
 haemodynamic effects in presence and absence of angiotensin converting enzyme inhibitors (Cleland *et al.*) 502 P
- Handgrip**
 haemodynamic response, effect of parasympathetic impairment, Chagas's heart disease (Marin-Neto *et al.*) 204
- isometric, left ventricular function during, normal subjects (Jones *et al.*) 246
- Heart**
- block, complete, familial spontaneous, in hypertrophic cardiomyopathy (Louie & Maron) 469
 - failure, chronic, vasodilation with captopril and prazosin, double blind study at rest and on exercise (Bayliss *et al.*) 265
 - congestive ^{31}P nuclear magnetic resonance evaluation of skeletal muscle metabolism during exercise in (Massie *et al.*) 527 P
 refractory, ultrafiltration in management (Simpson *et al.*) 344
 reversible renal failure after combined treatment with enalapril and frusemide: case report (Funck-Bretano *et al.*) 596
 - exercise testing, factors determining symptoms (Lipkin *et al.*) 439
 - and infective endocarditis: review of 40 cases (Varma *et al.*) 191
 - end stage, ultrafiltration treatment (Donato *et al.*) 503 P
 - severe, abnormalities of peripheral circulation and respiratory function (Cowley *et al.*) 75
 - intravenous captopril treatment (Rademaker *et al.*) 187
 - symptom limited exercise and respiratory gas exchange (Cleland *et al.*) 519 P
 - rate variability, healthy subjects, effect of age and derivation of normal ranges for tests of autonomic function (O'Brien *et al.*) 348
 - valve prostheses *see* Valve prostheses.
- His Purkinje system, indirect evidence for participation in ventricular activation during ventricular tachycardia (Shenasa *et al.*) 514 P
- Hypertensive hearts, and myocardial fibrosis, quantitative analysis (Tanaka *et al.*) 575
- Hypertrophic cardiomyopathy, *see* Cardiomyopathy.
- Indoramin in angina pectoris: correspondence (Thadani: Collins & Sheridan) 219
- Infective endocarditis
 challenge and reproach: correspondence (Eykyn: Goodwin) 418
 and heart failure: review of 40 cases (Varma *et al.*) 191
- Ischaemic heart disease
 deaths from, Belfast (McIlwaine *et al.*) 330
 pulsed Doppler ultrasound in left ventricular end diastolic pressure measurement (Channer *et al.*) 511 P
- Isolated persistent left superior vena cava draining to left atrium, surgical correction, neonate: case report (Sibley *et al.*) 605
- Isosorbide mononitrate by intravenous bolus administration, in acute left ventricular failure (Gammie *et al.*) 515 P
- Juxtaductal left pulmonary artery obstruction, in pulmonary atresia (Momma *et al.*) 39
- Laser thermal angioplasty, percutaneous, an assessment (Cumbeiland *et al.*) 512 P
- Lead specificity of maximum ST/heart rate slope response: correspondence (Kligfield *et al.*) 529
- Left bundle branch block prevalence, incidence, follow up echocardiography, and exercise testing (Eliasson *et al.*) 515 P
- Left ventricle *see* Ventricle, left.

- Magnetic resonance, ^{31}P
 evaluation of skeletal muscle metabolism during exercise in congestive heart failure (Massis *et al.*) 527 *P*
- spectroscopy study, biochemical changes during repeated occlusion and reperfusion of coronary artery, rabbit (Rajagopalan *et al.*) 527 *P*
- Meningococcal meningitis, and cardiac tamponade: case report (Guérat & Buchalter) 214
- Methyamine, facilitating absorption of intramuscular human recombinant tissue type plasminogen activator (Fox *et al.*) 503 *P*
- Metoprolol and sotalol, effect of long term treatment on ventricular repolarisation measured by transoesophageal atrial pacing (Blomström-Lundqvist *et al.*) 181
- Mitral
 orifice method, echocardiographic and Doppler flow determination of cardiac output, variability (Nicolosi *et al.*) 446
 regurgitation, severe, in women with double orifice mitral valve: case report (Kron *et al.*) 109
 stenosis, assessing severity: editorial (Odemuyiwa & Hall) 117
 stenosis, membranous supravalvar, potentially curable form of congenital heart disease (Sullivan *et al.*) 501 *P*
 rheumatic, percutaneous transluminal valvotomy using double balloon technique (Zaibag *et al.*) 513 *P*
 valve, abnormalities in congenitally corrected transposition (discordant atrioventricular and ventriculoarterial connections) (Gerlis *et al.*) 475
 closure and left ventricular filling time, in patients with VDD pacemakers, assessment of onset of left ventricular systole and end of diastole (von Bibra *et al.*) 355
 double orifice, and severe mitral regurgitation: case report (Kron *et al.*) 109
 prolapse, idiopathic, age and clinical profile (Hickey & Wilcken) 582
 tissue, accessory, causing left ventricular outflow tract obstruction (Meldrum-Hanna *et al.*) 376
- Multiple vessel disease, and single vessel angioplasty (Silverton *et al.*) 511 *P*
- Myocardial
 fibrosis, in normals, hypertensive hearts, and hypertrophic cardiomyopathy, quantitative analysis (Tanaka *et al.*) 575
 infarction, aetiology and prognostic implications of reciprocal electrocardiographic changes (Katz *et al.*) 423
 after chest trauma incurred during rugby football later requiring cardiac transplantation: case report (Watt & Stephens) 408
 effect of timolol on changes in serum potassium concentration during: correspondence (Mikhailidis *et al.*) 113
 haemostatic function (Hamsten *et al.*) 58
 high dose intravenous streptokinase in, short and long term prognosis (MacLennan *et al.*) 231
 in vivo production of prostacyclin and thromboxane (Henriksson *et al.*) 543
 investigation of symptom free patients after, radionuclide angiography: editorial (Handler) 531
 multivessel disease following, use of radionuclide angiography and exercise electro-cardiogram (Fubini *et al.*) 535
 myocarditis presenting as, confirmation by biopsy: correspondence (Beaufils & Slama) 420
 neuroendocrine mechanisms (McAlpine *et al.*) 503 *P*
 nuclear magnetic resonance changes during first two weeks after (Been *et al.*) 504 *P*
 place of antiarrhythmic therapy (McLintic & Tweddle) 522 *P*
 suspected, early nifedipine treatment (TRENT study) (Wilcox *et al.*) 506 *P*
 thrombolysis in, and anisoylated plasminogen streptokinase activator complex (Timmis *et al.*) 504 *P*
 thrombolytic therapy, electrocardiographic changes during (Richardson *et al.*) 505 *P*
 ischaemia, early morning, diurnal variation in pulmonary artery diastolic pressure (Levy *et al.*) 518 *P*
- evolution during percutaneous transluminal coronary angioplasty (Griffin *et al.*) 512 *P*
 phase and amplitude analysis of exercise digital left ventriculograms, new method of detecting (Lyons *et al.*) 526 *P*
 potassium exchange during, human heart (Webb & Poole-Wilson) 554
 transient, increase in S wave amplitude during (Glazier *et al.*) 523 *P*
 lactate extraction, improved after propranolol in coronary artery disease (Nielsen *et al.*) 140
- Myocarditis confirmed by biopsy, presenting as acute myocardial infarction: correspondence (Baufils & Slama) 420
- Neonate, with congenital heart disease, surgical management: editorial (de Leval) 1
- Nifedipine
 and atenolol, in angina pectoris (Findlay *et al.*) 240
 and captopril compared, in dilated cardiomyopathy, afterload reduction (Agostoni *et al.*) 391
 treatment, early, in suspected myocardial infarction (TRENT study) (Wilcox *et al.*) 506 *P*
- Notices 114, 220, 310, 420, 530, 611
- Nuclear magnetic resonance changes during first two weeks after myocardial infarction (Been *et al.*) 504 *P*
- Occlusion and reperfusion, repeated, of coronary artery, biochemical changes during, rabbit, ^{31}P magnetic resonance spectroscopy study (Rajagopalan *et al.*) 527 *P*
- Oxygen treatment at home, long term, effect in pulmonary vascular disease, children (Bowyer *et al.*) 385
- Pacemaker
 function, assessment, and ambulatory blood pressure (Jones *et al.*) 462
 modality, varying, haemodynamic consequences, assessment by Doppler ultrasound (Simpson *et al.*) 507 *P*
 supraventricular tachycardia terminating, and sudden death (Cann *et al.*) 522 *P*
- VDD, mitral valve closure and left ventricular filling time, assessment of onset of left ventricular systole and end of diastole (von Bibre *et al.*) 355
- Pacing
 atrial, potassium exchange during, human heart (Webb & Poole-Wilson) 554
 DDD and VVI, ambulatory blood pressure during, intra-patient comparison (Boon *et al.*) 508 *P*
- DDI, ambulatory blood pressure during, intra-patient comparison (Boon *et al.*) 508 *P*
- dual chamber, in hypertrophic cardiomyopathy, haemodynamic assessment using radionuclide ventriculography (Erwin *et al.*) 507 *P*
- external non-invasive temporary cardiac (Rosenthal *et al.*) 524 *P*
- permanent, activity sensing rate responsive, in very young children (Ladusans *et al.*) 508 *P*
See also Pacing
- VVI, ambulatory blood pressure during, intra-patient comparison (Boon *et al.*) 508 *P*
- Paroxysmal
 atrial fibrillation, conversion to sinus rhythm by intravenous pirenadol (Toivonen *et al.*) 176
- supraventricular tachycardia, treatment with intravenous injection of adenosine triphosphate (Saito *et al.*) 291
- Percutaneous
 balloon dilatation of right ventricular outflow tract and pulmonary valve, in tetralogy of Fallot (Wright *et al.*) 516 *P*
 laser thermal angioplasty, an assessment (Cumberland *et al.*) 512 *P*
- transluminal balloon angioplasty, in restenosis of coarctation of aorta (Hess *et al.*) 459
- transluminal coronary angioplasty, evolution of myocardial

- ischaemia during (Griffin *et al.*) 512 *P*
transluminal valvotomy, for rheumatic mitral stenosis, using double balloon technique (Zaibag *et al.*) 513 *P*
- Pericardial tamponade, late, and coronary arteriovenous fistula, after trauma: case report (Martin *et al.*) 216
- Pericardium, left, presumed congenital absence, cross sectional echocardiographic appearance: case report (Candan *et al.*) 405
- Peripartum cardiomyopathy, fatal: correspondence (Honey) 114
- Peripheral vascular disease, free radical generation (Hutchison *et al.*) 527 *P*
- Phase and amplitude analysis of exercise digital left ventriculograms, new method of detecting myocardial ischaemia (Lyons *et al.*) 526 *P*
- Physical activity and cardiovascular disease and death, women (Lapidus & Bengtsson). 295
See also Exercise.
- Pirfenol, intravenous, and paroxysmal atrial fibrillation conversion to sinus rhythm (Toivonen *et al.*) 176
- Plasminogen activator, intramuscular human recombinant tissue absorption, facilitated by methylamine (Fox *et al.*) 503 *P*
- streptokinase activator complex anisoylated for thrombolysis in myocardial infarction (Timmis *et al.*) 504 *P*
- Post-myocardial infarction exercise testing, false positive ST segment depression during (Tan *et al.*) 517 *P*
See also Exercise.
- Potassium exchange, during atrial pacing and myocardial ischaemia, human heart (Webb & Poole-Wilson). 554
- serum concentration, changes during myocardial infarction, effect of timolol: correspondence (Mikhailidis *et al.*) 113
- Prazosin and captopril vasodilation in chronic heart failure, double blind study at rest and on exercise (Bayliss *et al.*) 265
- Pregnancy aortic dissection during: case report (Pumphrey *et al.*) 106
cardiac valve prostheses, and anticoagulation (Ben Ismail *et al.*) 101
- Propranolol, in coronary artery disease, and improved myocardial lactate extraction (Nielsen *et al.*) 140
- Prostacyclin and thromboxane in myocardial infarction, in vivo production (Henriksson *et al.*) 543
- Pulmonary artery diastolic pressure, diurnal variation, mechanism for early morning myocardial ischaemia (Levy *et al.*) 518 *P*
artery pressure, continuous ambulatory, monitoring, using transducer tipped catheter and simple recording system (Levy *et al.*) 336
- atresia, and juxtaductal left pulmonary artery obstruction (Momma *et al.*) 39
- embolism, in ventricular septal defect, complicating echocardiography of free wall vegetative endocarditis: case report (Zijlstra *et al.*) 497
- hypertension, primary, factors influencing outcome (Rozkovec *et al.*) 449
and ventricular septal defect, long term follow up study (Hallidie-Smith) 501 *P*
- infundibular stenosis, severity, Doppler ultrasound in estimation, infants and children (Houston *et al.*) 381
- valve, congenital absence, large ductus arteriosus and intact ventricular septum associated with: case report (Thanopoulos *et al.*) 602
- endocarditis associated with congenital ventricular septal defect, echocardiographic demonstration: case report (Chambers & Leech) 494
- stenosis, negative right ventricular diastolic pressure after operation (Mohr *et al.*) 92
- vascular disease, effect of long term oxygen treatment at home, children (Bowyer *et al.*) 385
- vein stenosis, unilateral, management: case report (Reid *et al.*) 599
- Q waves, influence on exercise induced ST segment depression (Walker *et al.*) 524 *P*
- QT interval, diurnal variation, autonomic nervous system influence (Bexton *et al.*) 253
- QT prolongation, after ampicillin anaphylaxis: case report (Mehta *et al.*) 308
- R wave amplitude, influence on exercise induced ST segment depression (Walker *et al.*) 524 *P*
- Radiation hazards for cardiologists: editorial (Raphael & Tomlinson). 421
- Radionuclide angiography, in diagnosis of multivessel disease after myocardial infarction (Fubini *et al.*) 535
in investigation of symptom free patients after myocardial infarction: editorial (Handler). 531
- ventriculography, for haemodynamic assessment of dual chamber pacing in hypertrophic cardiomyopathy (Erwin *et al.*) 507 *P*
- Renal failure, reversible, after combined treatment with enalapril and frusemide, in congestive heart failure: case report (Funck-Brentano *et al.*) 596
- Reperfusion of coronary artery, biochemical changes during, rabbit, ³¹P magnetic resonance spectroscopy study (Rajagopalan *et al.*) 527 *P*
- Respiratory gas exchange and symptom limited exercise, in heart failure (Cleland *et al.*) 519 *P*
- Rhabdomyosarcoma, left atrial, diagnosis using digital gated computed tomography: case report (Jack *et al.*) 305
- S wave amplitude, increase during transient myocardial ischaemia (Glazier *et al.*) 523 *P*
- Shock, cardiogenic, without critically raised left ventricular end diastolic pressure, management and outcome, eighteen patients (Edwards *et al.*) 549
- Single vessel angioplasty in multiple vessel disease (Silverton *et al.*) 511 *P*
- Sinus rhythm, paroxysmal atrial fibrillation conversion by intravenous pirfenol (Toivonen *et al.*) 176
- Skeletal muscle metabolism during exercise in congestive heart failure, ³¹P nuclear magnetic resonance evaluation (Massie *et al.*) 527 *P*
- Socioeconomic factors and cardiovascular disease and death, women (Lapidus & Bengtsson). 295
- Somatostatin, neuroregulatory peptide with electrophysiological activity (Webb *et al.*) 513 *P*
- Sones's technique cardiac catheterisation, planned day case (Murray & Rothman) 515 *P*
- Sotalol and metoprolol, effect of long term treatment on ventricular repolarisation measured by transoesophageal atrial pacing (Blomström-Lundqvist *et al.*) 181
- Squash, sudden death associated with, study of 60 cases (Northcote *et al.*) 198
- ST segment/heart rate slope identification of anatomically and functionally severe coronary artery disease (Kligfield *et al.*) 517 *P*
maximum response, lead specificity of: correspondence (Kligfield *et al.*) 529
- ST segment depression, exercise induced, influence of R wave amplitude and Q waves (Walker *et al.*) 524 *P*
false positive, during post-myocardial infarction exercise testing (Tan *et al.*) 517 *P*
significance in syndrome X assessed by ambulatory pulmonary artery pressure monitoring (Levy *et al.*) 518 *P*
- Staffing and facilities in cardiology in United Kingdom 1984, third biennial survey (Chamberlain *et al.*) 311
- Streptokinase, high dose intravenous, in myocardial infarction, short and long term prognosis (MacLennan *et al.*) 231
- Sudden death and supraventricular tachycardia terminating pacemakers (Camm *et al.*) 522 *P*

- and vigorous exercise: study of 60 deaths associated with squash (Northcote *et al.*). 198
- Superior vena cava, isolated persistent, draining to left atrium, surgical correction, neonate: case report (Sibley *et al.*). 605
- Symptom limited exercise and respiratory gas exchange in heart failure (Cleland *et al.*). 519 *P*
- Syncope, recurrent, increased vagal tone as isolated finding, response to long term anticholinergic agents (McLaran *et al.*). 53
- Syndrome X, significance of ST segment depression assessed by ambulatory pulmonary artery pressure monitoring (Levy *et al.*). 518 *P*
- Tachycardias
fetal, natural history and prognosis (Ladusans *et al.*). 500 *P*
ventricular, high energy catheter ablation, three deaths after (Davies *et al.*). 506 *P*
- Technetium-99m
equilibrium radionuclide angiography, in coronary artery disease (Rodrigues *et al.*). 511 *P*
tertiary butyl isonitrile, new myocardial image, clinical value (Khalil *et al.*). 510 *P*
- Tetralogy of Fallot, percutaneous balloon dilatation of right ventricular outflow tract and pulmonary valve (Wright *et al.*). 516 *P*
- Thallium-201
to coronary arteries, new technique for showing relation of tomographic myocardial perfusion images obtained: correspondence (Murray & Flint; Gibson *et al.*). 610
myocardial imaging, dipyridamole and exercise combined (Walker *et al.*). 321
- Thermodilution
cardiac output computers, performance, in assessing reproducibility of blood flow measurement (Mackenzie *et al.*). 14
compared with Doppler echocardiographic determination, of flow from five cardiac locations (MacLennan *et al.*). 517 *P*
- Third aortic arch, persistence, with fourth aortic arch agenesis: case report (Ekteish *et al.*). 607
- Thoracic aorta aneurysms, with various causes, diagnostic and surgical management (Bruno *et al.*). 81
- Thrombolysis
intracoronary, changes in left ventricular regional asynchrony after (Gibson *et al.*). 505 *P*
in myocardial infarction, and anisoylated plasminogen streptokinase activator complex (Timmis *et al.*). 504 *P*
therapy, for myocardial infarction, electrocardiographic changes during (Richardson *et al.*). 505 *P*
- Thromboxane, in myocardial infarction, in vivo production (Henriksson *et al.*). 543
- Timolol, effect on changes in serum potassium concentration during myocardial infarction: correspondence (Mikhailidis *et al.*). 113
- Tomographic myocardial perfusion images obtained with thallium-201 to coronary arteries, new technique: correspondence (Murray & Flint; Gibson *et al.*). 610
- Total anomalous pulmonary venous drainage, determinants of survival after repair (Qureshi *et al.*). 521 *P*
- Transducer tipped catheter and simple recording system, for monitoring continuous ambulatory pulmonary artery pressure (Levy *et al.*). 336
- Transient myocardial ischaemia, increase in S wave amplitude during (Glazier *et al.*). 523 *P*
- Transluminal valvotomy, percutaneous, for rheumatic mitral stenosis, using double balloon technique (Zaibag *et al.*). 513 *P*
- Transoesophageal atrial pacing, to measure effect of long term treatment with metoprolol and sotalol on ventricular repolarisation (Blomström-Lundqvist *et al.*). 181
- Transplantation, cardiac, following myocardial infarction after chest trauma incurred during rugby football: case report (Watt & Stephens). 408
- Transposition of great arteries, corrected, arrhythmias before and after (Martin *et al.*). 500 *P*
- computer assisted echocardiographic assessment of left ventricular function before and after (Arensman *et al.*). 162
congenitally (discordant atrioventricular and ventriculoarterial connections), and mitral valve abnormalities (Gerlis *et al.*). 475
- Trauma, late pericardial tamponade and coronary arteriovenous fistula after: case report (Martin *et al.*). 216
- TRENT study, trial of early nifedipine treatment in suspected myocardial infarction (Wilcox *et al.*). 506 *P*
- Trimetaphan camsylate and sodium nitroprusside, double blind comparison, plasma catecholamine secretion during cardiac surgery (Corr *et al.*). 526 *P*
- Tumours, cardiac, simulating collagen vascular disease (Fitzpatrick *et al.*). 592
- U waves, in ventricular hypertrophy, possible demonstration of mechano-electrical feedback (Choo & Gibson). 428
- Ultrafiltration for treatment of end stage heart failure (Donato *et al.*). 503 *P*
- Valve prostheses
anticoagulation, and pregnancy (Ben Ismail *et al.*). 101
late results in right ventricular outflow tract reconstruction (Meldrum-Hanna *et al.*). 371
Lillehei-Kaster, Björk-Shiley, and St Jude, auscultatory characteristics (Kupari *et al.*). 364
- Valve stenosis, assessing severity; editorial (Odemuyiwa & Hall) 117
See also specific organs.
- Vasovagal episodes, and profound bradycardia after nitrite (Rosoff & Cohen) 97
- Ventricle (ventricular)
ejection fraction, determination by single slice cine computed tomography (Rees *et al.*). 510 *P*
fibrillation, recognition from timings of epicardial electrograms (Davies *et al.*). 523 *P*
function, following heterotopic cardiac transplantation (Mitchell & Yacoub). 509 *P*
hypertrophy, U waves in, possible demonstration of mechano-electrical feedback (Choo & Gibson). 428
- left end diastolic pressure, cardiogenic shock, management and outcome, eighteen patients (Edwards *et al.*). 549
non-invasive measurement, in coronary artery disease (Rodrigues *et al.*). 511 *P*
by pulsed Doppler ultrasound, in ischaemic heart disease (Channer *et al.*). 511 *P*
- failure, isosorbide mononitrate by intravenous bolus administration (Gammie *et al.*). 515 *P*
- false tendons, man, identification of clinically significant morphological variants (Beattie *et al.*). 525 *P*
reappraisal of prevalence and clinical importance, children and adults (Malouf *et al.*). 587
- filling time, and mitral valve closure, in patients with VDD pacemakers, assessment of onset of left ventricular systole and end of diastole (von Bibra *et al.*). 355
- function, on early and late mortality following surgical repair of post-infarction ventricular septal defect (Schofield *et al.*). 508 *P*
- function during exercise, changes and their relation to ST segment changes in angina (O'Hara *et al.*). 148
serial changes on, and coronary anatomy, relation between, study using first pass radionuclide angiography with gold-195m (Caplin *et al.*). 120
- during isometric hand grip and cold stress, normal subjects (Jones *et al.*). 246
- preserving, relevance of coronary collateral flow (Tweddle *et al.*). 516 *P*
- hypertrophy in assessment of aortic stenosis, comparison of electrocardiographic and echocardiographic measures (Dancy) 155
- outflow tract obstruction, caused by accessory mitral valve tis-

- sue (Meldrum-Hanna *et al.*) 376
 regional asynchrony, changes after intracoronary thrombolysis (Gibson *et al.*) 505 *P*
 to right atrial shunting, and perimembranous ventricular septal defect, echocardiography (Leung *et al.*) 45
 structure and function, in bodybuilders (Todd *et al.*) 520 *P*
 wall motion, asynchronous, early after coronary thrombosis (Gibson *et al.*) 4
 repolarisation, effect of long term treatment with metoprolol and sotalol, measured by transoesophageal atrial pacing (Blomström-Lundqvist *et al.*) 181
 right, function, on early and late mortality following surgical repair of post-infarction ventricular septal defect (Schofield *et al.*) 508 *P*
 impaired function following transvenous fulguration of atrioventricular conduction (Schofield *et al.*) 506 *P*
 outflow tract, late results of reconstruction with Björk-Shiley valved conduits (Meldrum-Hanna *et al.*) 371
 and pulmonary valve, in tetralogy of Fallot, percutaneous balloon dilatation (Wright *et al.*) 516 *P*
 pressure-volume loop, normal, characterisation using biplane ventriculography with simultaneous high fidelity pressure measurement (Redington *et al.*) 525 *P*
 septal defect, congenital, and pulmonary valve endocarditis, echocardiographic demonstration: case report (Chambers & Leech) 494
 perimembranous, with left ventricular to right atrial shunting, echocardiography (Leung *et al.*) 45
 mechanisms of closure, cross sectional and pulsed Doppler echocardiographic study (Balaram *et al.*) 520 *P*
 post-infarction, effect of right and left ventricular function on early and late mortality following surgical repair (Schofield *et al.*) 508 *P*
 with pulmonary embolism, complicating echocardiography of free wall vegetative endocarditis: case report (Zijlstra *et al.*) 497
 and pulmonary hypertension (PHT), long term follow up study (Hallidie-Smith) 501 *P*
 septum, intact, associated with congenital absence of pulmonary valve: case report (Thanopoulos *et al.*) 602
 tachycardia, high energy catheter ablation, three deaths after (Davies *et al.*) 506 *P*
 indirect evidence for participation of His Purkinje system in ventricular activation during (Shenasa *et al.*) 514 *P*
 misdiagnosis, results of postal survey (Nathan *et al.*) 513 *P*
 and ventricular fibrillation, recognition from timings of epicardial electrograms (Davies *et al.*) 523 *P*
 Ventriculograms, left, exercise digital, phase and amplitude analysis, new method of detecting myocardial ischaemia (Lyons *et al.*) 526 *P*
 Verapamil, in Friedreich's ataxia, echocardiographic evaluation (Casazza *et al.*) 400
 Xenograft, pericardial, ten years' clinical, experience (Ionescu *et al.*) 509 *P*