

PUBLISHED BY PORTLAND PRESS ON BEHALF OF
THE MEDICAL RESEARCH SOCIETY AND THE BIOCHEMICAL SOCIETY

© The Medical Research Society and the Biochemical Society 1994
ISSN 0143-5221

Printed in Great Britain by Bell and Bain Limited, Glasgow

ACKNOWLEDGMENTS

The Editorial Board of *Clinical Science* gratefully acknowledges the assistance given by the following referees during the year 1993.

Abiko, Y.	Blake, D.	Conway, J.	Eckel, R.H.	Gimson, A.
Aggett, P.J.	Blaustein, M.P.	Cooke, E.D.	Edwards, C.	Ginsberg, H.
Åkerstedt, T.	Boer, W.H.	Cooper, A.	Edwards, R.H.T.	Girerd, X.
Alberti, G.K.	Bonadonna, R.	Cooper, B.T.	Edwards, S.	Giudicelli, J.F.
Allwood, M.	Boomsma, F.	Coppack, S.	Elghozi, J.-L.	Gleeson, K.
Altmann, P.	Bowyer, D.	Cornish-Bowden, A.	Elia, M.	Gleeson, M.
Amiel, S.	Braganza, J.	Coustan, D.	Elias, E.	Gokal, R.
Anderson, E.A.	Brands, M.W.	Coward, A.	Elliott, H.	Golden, B.
Angelin, B.	Bray, G.	Cramb, R.	Emmeluth, C.	Goode, G.
Arner, P.	Bremner, I.	Crichton, R.R.	Evans, R.D.	Goto, K.
Arthur, J.R.	Breuillé, D.	Critchley, M.	Fagard, R.	Granger, J.P.
Ashley, R.	Brøijersen, A.	Crook, M.	Fairfax, A.	Grant, P.J.
Asmar, R.	Broughton Pipkin, F.	Crossley, I.R.	Fairweather-Tait, S.	Greaves, M.
Bachelard, H.S.	Brown, P.	Cruickshank, J.K.	Farthing, M.	Green, R.
Baines, A.D.	Brunner, H.R.	Cuche, J.-L.	Favier, A.	Greer, I.A.
Balkwill, F.	Buck, C.	Cumming, A.D.	Fearon, K.	Griffin, G.
Ball, P.	Bülow, J.	Cunningham, F.	Feelisch, M.	Griffiths, R.D.
Balment, R.J.	Burgess, W.	Davenport, A.P.	Feher, M.	Griffiths, T.
Bankir, L.	Burroughs, A.	Davey, P.	Fentem, P.H.	Grimble, G.K.
Bárány, P.	Cairns, H.	Davies, I.	Ferenci, P.H.D.	Hall, I.
Barbir, M.	Calam, J.	Davies, M.	Ferrannini, E.	Halliday, D.
Barbul, A.	Calle, R.	Davies, R.J.O.	Ferrari, A.U.	Hamdy, N.A.T.
Barnett, A.H.	Calver, A.	Davies, W.L.	Firth, J.D.	Hardcastle, J.
Barnett, M.	Cameron, N.E.	Davis, J.	Fleck, A.	Hardinge, F.M.
Baron, A.	Campbell, I.T.	Davis, M.	Flynn, M.D.	Harrison, P.
Bayliss, P.	Campbell, W.B.	Davison, J.M.	Forbes, C.D.	Harry, D.S.
Baynes, C.	Campbell, W.B.	Dawnay, A.	Forsling, M.L.	Hart, C.A.
Beath, S.	Caprio, S.	Debnam, E.S.	Franks, S.	Hart, C.A.
Beck, O.	Carafoli, E.	Decker, K.	Fraser, P.	Hawkins, P.N.
Beckett, G.J.	Carey, R.M.	Delves, H.T.	Fredholm, B.	Hawthornthwaite, G.
Beevers, D.S.	Carr, P.	Dewar, M.E.	Fryburg, D.	Hayes, P.
Beevers, S.	Carretero, O.A.	Dewart, P.	Fujishima, M.	Haylor, J.
Belch, J.	Catto, G.R.D.	Diamond, M.	Gallen, I.W.	Haynes, W.G.
Bender, D.	Cherrington, A.	Diplock, A.T.	Gamble, J.	Haywood, S.
Benjamin, N.	Churchill, P.C.	Domiczak, A.	Gammage, M.D.	Hecker, M.
Benyon, R.C.	Chung, F.	Douglas, N.J.	Garg, A.	Hedekov, C.J.
Benzoni, D.	Cirillo, M.	Dowling, R.H.	Garlick, P.	Hemmings, F.
Bergman, R.N.	Clague, J.E.	Drury, P.L.	Gatt, I.	Heptinstall, S.
Bessey, P.Q.	Clark, A.J.L.	Dudley, C.	Geddes, D.	Higgs, C.
Betteridge, D.J.	Clinton Smith, J.	Dufilho, M.D.	Geissler, C.	Hilderbrandt, D.
Bhatnagar, D.	Clutterbuck, E.	Duhm, J.	George, C.F.	Hill, A.
Bikle, D.D.	Coats, A.J.S.	Durrington, P.	Geppetti, P.	Hillier, K.
Bing, R.F.	Cockcroft, J.R.	Dusting, G.	Gibbons, G.F.	Hind, C.R.K.
Binkley, P.F.	Cohen, R.J.	Duthie, G.	Gibbs, C.J.	Hoeks, A.
Bird, G.	Coles, G.	Dwaine Rieves, R.	Gillies, G.E.	Hofmann, F.
Black, C.	Connell, J.	Dzielak, D.J.		Holder, D.
				Holick, M.

- Holman, R.R.
 Holme, E.
 Holst, J.J.
 Holtz, J.
 Hopkins, S.J.
 Hornstra, G.
 Hornych, A.
 Hsu, C.
 Hughes, A.
 Hughes, J.M.B.
 Hutchison, F.N.
 Hutton, R.
 Hylander, A.

 Imai, S.
 Ivanyi, J.
 Izzard, A.

 Jack, C.I.A.
 Jackson, A.A.
 Jardine, A.
 Jarjour, N.
 Jennings, G.
 Jern, S.
 Johnson, C.D.
 Johnson, I.D.A.
 Jones, C.J.H.
 Jones, D.W.
 Jones, M.
 Jorfeldt, L.

 Kaissling, B.
 Kanaide, H.
 Karran, S.
 Kauker, M.L.
 Kavanagh, J.P.
 Keen, M.
 Keller, N.
 Kelly, F.J.
 Kendall, M.
 Kerr, D.
 King, L.J.
 Kingdom, J.C.P.
 Kinnear, W.
 Knepper, M.A.
 Knight, B.L.
 Kofed-Enevoldsen,
 A.
 Kohner, E.
 Kovacs, I.B.
 Krentz, A.
 Krieger, J.
 Kruszynska, Y.
 Krzesinski, J.M.
 Kuzuya, T.
- Ladefoged, J.
 Lafferty, K.
 Laker, M.F.
 Lande, K.
 Lang, C.C.
 Laurent, G.
 Laurent, S.
 Laycock, J.F.
 Lazarus, J.H.
 Leckie, B.
 Lee, M.R.
 Leese, G.
 Lennard, L.
 Levy, B.
 Levy, J.
 Ley, K.
 Lijnen, P.
 Lindberg, G.
 Linde, B.
 Little, R.A.
 Lobley, G.E.
 Lombard, M.
 London, G.
 Long, R.
 Long, R.G.
 Lote, C.J.

 Macdiarmaid-
 Gordon, A.R.
 MacDonald, T.M.
 MacIver, D.H.
 Mackness, M.I.
 MacNeil, S.
 Madsen, J.
 Madsen, K.
 Magrini, F.
 Mallion, J.M.
 Malnic, G.
 Mansell, P.I.
 Margolius, H.S.
 Margulies, K.B.
 Marshall, I.
 Marshall, J.
 Martin, T.J.
 Mathé, A.
 Mathias, C.J.
 Matsuo, H.
 McArdle, A.
 McCarthy, A.
 McClinton, S.
 McCormick, A.
 McEwan, J.
 McHale, N.
 McMurray, J.
 McNeill, S.
- McTier, R.
 Mellander, S.
 Menon, S.K.
 Miles, J.
 Miller, J.P.
 Miller, N.
 Miller, W.L.
 Miller-Craig, M.
 Millward, D.J.
 Mimran, A.
 Mizelle, H.L.
 Molloy, L.L.
 Moncada, S.
 Montastruc, J.-L.
 Moon, R.E.
 Moore, K.
 Morgan, M.
 Morgan, M.D.L.
 Morice, A.H.
 Morris, J.
 Morton, J.J.
 Mulloy, L.L.
 Myers, B.D.

 Nagao, T.
 Nattras, M.
 Nawata, H.
 Neilsen, B.
 Neuberger, J.
 Newstead, C.
 Ng, L.L.
 Nicholls, P.
 Nisell, H.
 Northridge, D.
 Numano, F.
 Nunez, D.J.
 Nussberger, J.

 O'Hare, J.P.
 O'Rourke, M.F.
 Ohanian, J.
 Ohanian, V.
 Ohya, Y.
 Ong, A.C.M.
 Ostergren, J.

 Packard, C.
 Pacy, P.
 Padfield, P.L.
 Palmblad, J.
 Pannier, B.
 Parati, G.
 Paré, P.
 Parker, K.H.
 Patsch, J.
- Paul, S.
 Pearson, D.J.
 Pepys, M.
 Pernock, C.
 Perski, A.
 Persson, P.B.
 Peterson, J.S.
 Pfeiffer, R.
 Piepoli, M.
 Pitt, G.
 Polak, J.M.
 Pope, F.M.
 Potter, J.F.
 Poulsen, K.
 Preedy, V.R.
 Prentice, A.M.
 Price, R.
 Price, W.H.
 Pusey, C.D.
 Pyne, N.

 Rabinovitch, A.
 Radomski, M.
 Rampton, D.S.
 Ramsay, M.W.
 Randall, T.
 Rayman, G.
 Record, C.O.
 Reeve, J.
 Remizzi, G.
 Rennie, M.J.
 Renwick, A.
 Rettig, R.
 Rhodes, P.
 Rich, W.
 Richards, N.T.
 Ritter, J.
 Roberts, N.B.
 Roger, S.
 Rubin, I.
 Rubin, P.C.
 Rubinstein, I.
 Rueddel, H.
 Rustom, R.
 Ryan, M.
 Ryder, S.D.

 Sacks, F.
 Sagnella, G.A.
 Saklatvala, J.
 Salahudeen, A.
 Salmon, P.
 Salomon, F.
 Samani, N.J.
 Sandeman, D.
- Sanders, T.
 Sargeant, T.
 Sarner, M.
 Schachter, M.
 Schlessinger, S.
 Schneider, S.
 Schütten, H.J.
 Scicli, A.G.
 Scott, J.
 Scurr, J.H.
 Seckl, J.R.
 Seed, M.
 Selden, C.
 Sever, P.
 Shalmi, M.
 Shamoon, H.
 Shaw, J.H.F.
 Shen, W.-K.
 Shenkin, A.
 Shepherd, J.
 Sheron, N.
 Sherratt, H.S.A.
 Shimokawa, H.
 Shirley, D.G.
 Shoemaker, W.C.
 Shore, A.C.
 Short, A.H.
 Shoulders, C.
 Sidery, M.B.
 Simmonds, P.
 Singer, D.R.J.
 Skene, A.M.
 Skott, O.
 Slama, M.
 Smith, F.W.
 Smith, J.
 Smith, M.A.
 Solomon, L.R.
 Soria, C.
 Spiller, R.C.
 Stain, R.
 Stella, A.
 Stendahl, O.
 Steptoe, A.
 Stevens, M.
 Stevenson, J.C.
 Stewart, P.
 Stock, M.J.
 Stockley, R.A.
 Strain, A.J.
 Strazzullo, A.
 Struyker-Boudier,
 H.A.J.
 Stuart, J.
 Sturrock, N.

Sugden, P.	Townend, J.	Wagenmakers, A.	Weissberg, P.	Winocour, P.H.
Sykes, K.	Townsend, R.	Wahle, K.W.J.	Weissberger, A.	Winstanley, P.
	Trimarco, B.	Walker, M.	Wennmalm, Å.	Winwood, P.J.
Takeshita, A.	Trimble, E.R.	Wall, B.	West, D.C.	Woodall, A.A.
Taskinen, M.R.	Tsai, H.H.	Wallén, N.H.	Westaby, D.	Woods, K.L.
Taylor, A.	Tuck, M.	Wallentin, L.	Whicher, J.	Woods, S.C.
Taylor, P.D.		Walters, J.	Widdicombe, J.D.	Worwood, M.
Taylor, R.	Unwin, R.	Ward, M.K.	Wieling, W.	Wright, N.
Testa, N.		Warenius, H.	Wilcox, R.G.	Wu, F.
Theodorsson, E.	Vallance, P.	Waters, P.	Wilkins, M.	
Thomas, T.	van Zwieten, P.A.	Watnes, C.	Wilkinson, R.	
Thompson, A.	Vesely, D.L.	Watts, R.W.E.	Williams, B.	Xu, F.
Thompson, C.	Vilhardt, H.	Weaver, L.	Williams, G.	
Thompson, G.R.	Voelker, J.	Webb, D.J.	Williams, I.	Yazaki, Y.
Thompson, R.	von Bergmann, K.	Webber, J.	Williams, J.	
Thuillez, C.	Von Essen, S.	Weiner, D.	Williams, S.	
Thurston, H.B.		Weir, G.	Williamson, D.H.	Zaidi, M.
Tomson, C.R.V.	Wade, A.J.	Weise, F.	Winney, R.J.	Zucker, I.

Volume 87

AUTHOR INDEX

- Abildgaard, U. 13–20
 Acar, J. 671–677
 Alexander, K. 303–310
 Allen, A. 719–726
 Alonso, R. 85–90
 Anh, T.K. 505–511
 Antolín, M. 453–458
 Ardaillou, R. 671–677
 Arévalo, M. 85–90
 Argilés, J.M. 349–355
 Armengol, J.R. 453–458
 Astrup, A. 69–74, 407–413
 Atucha, N.M. 323–328
- Baccino, F.M. 349–355
 Bach, L.A. 239–243
 Bäcker, A. 383–387
 Bagby, G.J. 349–355
 Ball, R.O. 75–84
 Barrett, J.F.R. 91–95
 Bassey, E.J. 343–348
 Bates, P.C. 599–606, 607–618
 Bath, P.M.W. 253–257
 Bell, D. 707–710
 Bellini, C. 447–451
 Benestad, H.B. 369–370
 Benn, J. 21–29
 Bernardi, L. 649–654
 Beuk, R.J. 663–669
 Binh, T.Q. 505–511
 Binotto, P. 593–597
 Blaak, E.E. 559–566
 Bloom, S.R. 493–497
 Blumsohn, A. 363–368
 Bode-Böger, S.M. 303–310
 Böger, R.H. 303–310
 Bokemeyer, D. 383–387
 Boulton-Jones, J.M. 421–425
 Bratholm, P. 13–20
 Broom, J. 513–518
 Brown, B.H. 97–101
 Brunner, H.R. 567–574
 Bryde Andersen, H. 69–74
 Buckenham, T. 253–257
 Buckley, M.G. 311–317
 Buller, N.P. 575–580
 Bülow, J. 407–413
- Bune, A.J. 179–186
 Burden, A.C. 31–36
 Burrell, L.M. 389–395
 Buttery, P.J. 697–706
 Buxbaum, M. 693–695
 Buxton, B.F. 389–395
- Calvo, J.J. 85–90
 Campbell, G.R. 685–691
 Campbell, J.H. 97–101, 685–691
 Carbó, N. 349–355
 Casellas, F. 453–458
 Castleden, C.M. 337–342
 Cattell, V. 179–186
 Chambers, T.J. 587–591
 Chang, K.-C. 641–647
 Chen, H.I. 641–647
 Chhina, N. 269–273
 Chong, C.K. 525–531
 Chowienczyk, P.J. 45–51
 Christensen, N.J. 69–74, 407–413
 Chronos, N.A.F. 575–580
 Chyr, S.-H. 533–538
 Ciuffreda, M. 593–597
 Clarkson, P.B.M. 397–401
 Coassin, S. 447–451
 Cockcroft, J.R. 45–51
 Connelly, C.M. 259–267
 Cook, D.G. 587–591
 Cook, H.T. 179–186
 Cooper, B.G. 415–419
 Corboy, J.C. 679–684
 Costelli, P. 349–355
 Craig, K.J. 329–335
 Crapper, E.K. 239–243
 Crenier, L. 435–439
 Crepaldi, G. 593–597
 Creutzig, A. 303–310
 Crockard, A.D. 165–171
 Cumming, A.D. 5–11, 329–335
 Cuneo, R.C. 201–206
- d'Angelo, A. 593–597
 Dalzell, N. 587–591
- Dam Trung Tuong, M. 151–163
 Danh, P.T. 505–511
 Datodi, S.R. 239–243
 Davenport, A.P. 245–251
 Davies, M.H. 357–362
 Davis, T.M.E. 505–511
 Dawson, J. 697–706
 De Angelis, C. 447–451
 Decaux, G. 435–439
 Deehan, D.J. 513–518
 Dettmar, P.W. 719–726
 de Vries, P.M.J.M. 37–43
 Diang, L.-K. 533–538
 Dimitriadou, V. 151–163
 Donker, AbJ.M. 37–43
 Drake-Holland, A.J. 547–551
 Drechsler, S. 383–387
 Dussaule, J.-C. 671–677
 Dyer, J.R. 505–511
- Eastell, R. 363–368
 Edgar, J.D.M. 165–171
 Edlund, A. 143–149
 Elias, E. 357–362
 Elliott, R.A. 337–342
 Eremin, O. 513–518, 711–717
 Espiner, E.A. 679–684
- Fennessy, P.A. 685–691
 Fenwick, J.D. 91–95
 Ferri, C. 447–451
 Fischer, J.E. 207–211
 Fleming, S. 5–11
 Fogh-Andersen, N. 13–20
 Ford, G.A. 297–302
 Foster, S.N.E. 719–726
 Fox, J.G. 421–425
 Freyschuss, U. 103–107
 Friedrichs, U. 383–387
 Frölich, J.C. 303–310
 Fujii, K. 119–120
 Fujishima, M. 119–120
- Garbarg, M. 151–163
 Garcia, L.J. 85–90

- García-Estañ, J. 323–328
 Garcia-Webb, P. 505–511
 Gardiner, K.R. 165–171
 Gemo, G. 593–597
 Gervy, C. 435–439
 Giannini, S. 593–597
 Goodall, A.H. 575–580
 Goodship, T.H.J. 415–419
 Graf, B. 627–633
 Graham, K.A. 415–419
 Greathead, H. 697–706
 Green, A.L. 707–710
 Greenhaff, P.L. 707–710
 Gremmel, F. 627–633
 Griffin, G.E. 539–546
 Griffith, T.M. 53–59
 Grimble, R.F. 173–178
 Grover, P.K. 137–142
 Guarner, F. 453–458
 Gutski, F.-M. 303–310
- Hall, G.M. 369
 Halliday, H.L. 165–171
 Halliday, M.I. 165–171
 Hansen, J.M. 13–20
 Harrap, S.B. 239–243
 Harris, N.D. 97–101
 Hasselgren, P.-O. 207–211
 Hawkins, P.N. 289–295, 487–491
 Hayes, P.C. 329–335
 Haylor, J. 427–434
 Hearnshaw, J.R. 31–36
 Heidendal, G.A.K. 559–566
 Heys, S.D. 513–518, 711–717
 Higashi, T. 125–127
 Higashiguchi, T. 207–211
 Hirayama, K. 133–135
 Hjelte, L. 103–107
 Hoek, F.J. 459–465
 Holliman, D. 707–710
 Holstein-Rathlou, N.-H. 519–523
 Honrath, U. 525–531
 Horrobin, D. 711–717
 Horton, J.K. 245–251
 House, J.D. 75–84
 Hsuan, J.J. 487–491
 Hubert-Brierre, J. 671–677
 Hutton, D.A. 719–726
 Hutton, R.A. 575–580
- Iversen, P.O. 369–370
- Jacobs, M.J.H.M. 663–669
- James, O.F.W. 297–302
 Janes, S.L. 575–580
 Jansen, A.S. 179–186
 Jansen, R.W.M.M. 259–267
 Jenkins, D.A.S. 5–11
 Johannesson, M. 103–107
 Johnston, C.I. 389–395
 Johnston, J.A. 649–654
 Jones, P.M. 493–497
- Kaiser, M.A. 1–4
 Kajander, J. 61–67
 Kalinka, S. 245–251
 Kamada, T. 124–125
 Kamper, A.-L. 519–523
 Kanstrup, I.-L. 13–20
 Karlsson, J. 187–192
 Kawakami, Y. 130–133
 Kawano, S. 124–125
 Kayama, T. 481–485
 Kelley-Gagnon, M.M. 259–267
 Kemerink, G.J. 559–566
 Kemp, G.J. 403–406
 Kitslaar, P.J.E.H.M. 663–669
 Klovra, S. L. 357–362
 Knijn, S. 269–273
 Komura, I. 115–116
 König, P. 693–695
 Koopmans, R. 459–465
 Koskinen, P. 225–230
 Kramer, H.J. 383–387
 Kubar, U. 499–503
 Kuo, T.S. 641–647
 Kupari, M. 225–230
 Kuriyama, H. 115–135
 Kurtz, R.W. 627–633
 Kurvers, H.A.J.M. 663–669
- Langewitz, W. 655–661
 Lehtovirta, H. 61–67
 Leonardis, D. 635–639
 Leuzzi, S. 649–654
 Lewis, B. 581–586
 Leyssac, P.P. 519–523
 Lhotta, K. 693–695
 Liao, W.-K. 533–538
 Lin, S.-H. 533–538
 Lin, Y.-F. 533–538
 Lind, T. 91–95
 Lipsitz, L.A. 259–267
 Liu, J.J. 389–395
 Lodwick, D. 1–4
 Loi, R.K. 179–186
 López-Novoa, J.M. 85–90
 López-Soriano, F.J. 349–355
- Lu, K.-C. 533–538
 Lucini, D. 655–661
 Luffau, G. 151–163
- Macallan, D.C. 539–546
 Macdonald, I.A. 193–199, 407–413, 697–706, 707–710
 MacDonald, T.M. 397–401
 MacGilchrist, A. 329–335
 MacGregor, G.A. 253–257, 311–317
 MacLeod, C. 397–401
 Maddaiah, V.T. 499–503
 Madsen, J. 407–413
 Maggs, D.G. 193–199
 Malagelada, J.-R. 453–458
 Mallamaci, F. 635–639
 Malliani, A. 655–661
 Marcus, R. 581–586
 Markandu, N.D. 311–317
 Marshall, V.R. 137–142
 Martin, R.C. 245–251
 Marumo, F. 122–123
 McLellan, A.C. 21–29
 McMillan, S.A. 165–171
 McNally, P.G. 31–36
 McNeill, T.A. 165–171
 Meisl, T. 693–695
 Mela, G.S. 655–661
 Meyer-Lehnert, H. 383–387
 Miettinen, T.A. 61–67
 Miller, H.R.P. 151–163
 Millward, D.J. 213–224, 599–606, 607–618
 Missouri, C.G. 253–257
 Montero, A. 85–90
 Morcos, S.K. 427–434
 Morice, A.H. 97–101, 109–114
 Morris, B. 363–368
 Mouri, T. 319–322
 Munck, O. 519–523
 Murakami, O. 319–322
 Murdoch, I.E. 487–491
 Murray, A. 711–717
- Namias, B. 435–439
 Newlands, G.J.F. 151–163
 Neyer, U. 693–695
 Nicholls, D.P. 231–238
 Nobile, M. 593–597
 Noble, M.I.M. 547–551
 Noguchi, Y. 207–211
 Nowak, J. 103–107
 Nussberger, J. 567–574

- O'Brien, W. 207–211
 O'Reilly, D.St.J. 421–425
 Ohlsén, H. 143–149
 Oikawa, S. 128–130
 Oldroyd, S. 427–434
 Olthof, C.G. 37–43
 Östenson, C.-G. 187–192
- Pagani, M. 655–661
 Pakbiers, M.T.W. 559–566
 Palatini, P. 275–287
 Papo, M. 453–458
 Parker, A.J. 259–267
 Passino, C. 649–654
 Pauletto, P. 467–479
 Pearson, J.P. 719–726
 Pelizzo, M.R. 593–597
 Pellacani, A. 567–574
 Pencharz, P.B. 75–84
 Pepys, M.B. 487–491
 Perrone, A. 447–451
 Pessina, A.C. 467–479
 Peters, A.M. 369
 Peters, T.J. 441–446
 Phillips, P.A. 389–395
 Pigon, J. 187–192
 Pitson, D. 269–273
 Plum, I. 13–20
 Plumpton, C. 245–251
 Purasiri, P. 711–717
- Quesada, T. 323–328
 Quin, J.D. 421–425
- Raben, A. 69–74, 407–413
 Radaelli, A. 649–654
 Radda, G.K. 403–406
 Rajagopalan, B. 403–406
 Ramsdale, S.J. 343–348
 Randall, M.D. 53–59
 Reaich, D. 415–419
 Reneman, R.S. 663–669
 Richards, A.M. 679–684
 Richardson, S. 711–717
 Riley, M. 231–238
 Rimmer, T. 31–36
 Ritter, J.M. 45–51
 Rodríguez-Nodal, F. 85–90
 Rolls, K.A. 389–395
 Rooyackers, O.E. 619–626
 Rouleau, A. 151–163
 Rowlands, B.J. 165–171
 Ryall, R.L. 137–142
- Sabio, J.M. 323–328
- Sagnella, G.A. 311–317,
 371–381
 Saito, H. 120–122
 Salomon, F. 201–206
 Samani, N.J. 1–4
 Sánchez-Vicente, C. 85–90
 Sandholzer, C. 693–695
 Santucci, A. 447–451
 Saris, W.H.M. 559–566,
 619–626
 Sartore, S. 467–479
 Sartori, L. 593–597
 Saruta, T. 117–118
 Sasaki, S. 122–123
 Sasano, H. 481–485
 Satoh, F. 319–322
 Satoh, J. 128–130
 Schofield, J. 493–497
 Schwartz, J.-C. 151–163
 Scrimgeour, C.M. 415–419
 Sheedy, W. 109–114
 Shibahara, S. 481–485
 Shieh, S.-D. 533–538
 Shimomura, H. 125–127
 Simmonds, M.B. 679–684
 Simpson, K.J. 441–446
 Slaaf, D.W. 663–669
 Slee, S.-J. 427–434
 Sleight, P. 649–654
 Smulders, R.A. 37–43
 Soeters, P.B. 619–626
 Sollevi, A. 143–149
 Sone, M. 319–322
 Sönksen, P.H. 21–29, 201–206
 Sonnenberg, H. 525–531
 Soupart, A. 435–439
 St John, A. 505–511
 Stanford, C.F. 231–238
 Stehouwer, C.D.A. 37–43
 Stockenhuber, F. 627–633
 Stradling, J. 269–273
 Strandgaard, S. 13–20, 519–523
 Stroud, M.A. 707–710
 Sullivan, T.J. 487–491
 Suzuki, H. 481–485
 Suzuki, S. 128–130
 Suzuki, Y. 481–485
 Sylvén, C. 103–107
- Taaffe, D.R. 581–586
 Takahashi, K. 319–322,
 481–485
 Tan, S.Y. 487–491
 Tappia, P.S. 173–178
 Taylor, G.M. 179–186
- Taylor, J. 697–706
 Teerlink, T. 37–43
 Ten Harkel, A.D.J. 553–558
 Tennent, M. 397–401
 Tessitore, L. 349–355
 Tharoux, P.-L. 671–677
 Thompson, C.H. 403–406
 Thompson, J.S. 109–114
 Thomson, D. 5–11
 Thornalley, P.J. 21–29
 Thurston, H. 31–36
 Tirapegui, J.O. 599–606,
 607–618
 Tobias, J.H. 587–591
 Totsune, K. 319–322
 Toubro, S. 407–413
 Toyota, T. 128–130
 Truong, O. 487–491
 Tseng, Y.Z. 641–647
 Tsikas, D. 303–310
 Tsuji, S. 124–125
 Tsuji, T. 125–127
- Ujii, H. 53–59
 Umpleby, A.M. 201–206
- Vahanian, A. 671–677
 van Baak, M.A. 559–566
 van den Wildenberg, F.A.J.M.
 663–669
 van der Poll, T. 459–465
 van Deventer, S.J.H. 459–465
 van Herwaarden, M. 269–273
 van Kamp, G.J. 37–43
 van Lieshout, J.J. 553–558
 Vanhanen, H.T. 61–67
 Vargas, F. 323–328
 Venkatesan, S. 441–446
 Vessey, S.J.R. 493–497
 Virolainen, J. 225–230
 Vogel, W. 693–695
- Wagenmakers, A.J.M. 619–626
 Wagner, K. 207–211
 Walker, R.J. 679–684
 Wallis, S.C. 493–497
 Walsh, T. 5–11
 Waring, R.H. 357–362
 Watt, P.A.C. 31–36
 Webber, J. 697–706
 Western, P. 407–413
 Wheeldon, N.M. 397–401
 Whiting, P.H. 513–518
 Whittaker, P.G. 91–95
 Wieling, W. 553–558

Wilkins, G.T. 679–684
Williams, J.G. 91–95
Wilson, C. 427–434
Wilson, D.C. 165–171
Wilson, D.J. 575–580
Wilson, D.R. 525–531

Wojtacha, D. 5–11
Wright, J.E. 487–491
Wurnig, C. 627–633
Wykes, L.J. 75–84
Yahya, Z.A.H. 213–224,

599–606, 607–618
Yazaki, Y. 115–116
Yoshimoto, T. 481–485
Zhang, F. 97–101
Zoccali, C. 635–639

SUBJECT INDEX

First and last page numbers of papers to which entries refer are given. Page numbers marked with an asterisk refer to Reviews.

- Absorption
iron isotopes, females 91–95
- Acetylcholine
forearm blood flow, sex difference 45–51
- Acetyl-CoA carboxylase
ethanol 441–446
- Acid–base balance
hyponatraemia, corticosterone 435–439
- Adenosine
renal function 143–149
- Adhesion molecules
infection, diagnosis 165–171
percutaneous coronary angioplasty, restenosis 627–633
- Adipose tissue
lipoprotein lipase, tumour necrosis factor 349–355
skeletal muscle blood flow 559–566
- ADP
platelets, flow cytometry 575–580
- Adrenaline
post-obesity 69–74
- β -Adrenergic responses
autonomic blockade, ageing 297–302
- Afro-Caribbeans
bone mineral density 587–591
- Ageing
 β -adrenergic responses, autonomic blockade 297–302
blood pressure, caffeine 259–267
- Alcohol
heart rate variability, baroreflex 225–230
- Aldosterone
diastolic function, Doppler echocardiography 397–401
hyponatraemia, corticosterone 435–439
- Alkaline phosphatase
L-thyroxine 593–597
- Amino acids
critical illness, muscle wasting 619–626
- Ammonia
pyruvate oxidation, ammonia 499–503
- Amylase
charge selectivity, glomerulus 421–425
- Amyloidosis
immunoglobulin heavy chain, CH3 domain 487–491
regression, scintigraphy 289–295
- Angiography
collateral flow, hypercholesterolaemia 53–59
- Angiotensin
diastolic function, Doppler echocardiography 397–401
kinins, angiotensin-converting enzyme inhibitors 567–574
- Angiotensin-converting enzyme inhibitors
atherosclerosis, regression 685–691
kinin assay 567–574
- Anti-lipolytic insulin action
obesity 407–413
- α_1 -Antitrypsin deficiency
c-anti-neutrophil cytoplasmic antibody, Wegener's granulomatosis 693–695
- Aprotinin
renal function, cirrhosis 329–335
- Arginine
collateral flow, hypercholesterolaemia 53–59
haemodynamics, platelet aggregation 303–310
vascular responsiveness, diabetes 37–43
- Aromatic amino acids
parenteral nutrition, neonate 75–84
- Arousal
pulse transit time, sleep 269–273
- Arterial baroreceptors
heart rate variability, neck chamber technique 649–654
- Arterial disease
regression, angiotensin-converting enzyme inhibitor 685–691
- Arterial pressure
salt, hypertension 635–639
- Arterial stiffness
left ventricular relaxation, hypertension 641–647
- Arterial wall
restenosis, smooth muscle cells 467–479
- Asians
bone mineral density 587–591

- Aspirin**
 platelets, flow cytometry 575–580
- Atherosclerosis**
 regression, angiotensin-converting enzyme inhibitor 685–691
- Atrial natriuretic peptide**
 cardiac chamber volume, extracellular fluid volume 679–684
 cyclosporin, endothelin 383–387
 left atrial pressure 671–677
 pulmonary hypertension 109–114
 radioimmunoassay, chronic renal failure 319–322
 radioimmunoassay, cross-reaction 311–317
 renal tubular transport, salt intake 525–531
- Autonomic blockade**
 β -adrenergic response, ageing 297–302
- Autonomic failure**
 orthostatic hypotension, manoeuvres 553–558
 syncope, caffeine 259–267
- Autonomic nervous system**
 spectral analysis, chronic fatigue 655–661
- Baroreflex**
 heart rate variability, alcohol 225–230
- Bicarbonate**
 hyperinsulinaemic clamp 415–419
- Big endothelin**
 endothelial cells, enzyme-linked immunosorbent assay 245–251
- Blood flow**
 skeletal muscle, adipose tissue 559–566
- Blood pressure**
 ageing, caffeine 259–267
 angiotensin, aldosterone 397–401
 cardiac hypertrophy, growth hormone 239–243
 haemodynamics, exercise 275–287*
 sleep, arousal 269–273
- Body composition**
 insulin, growth hormone deficiency 201–206
- Body mass**
 bone mineral density, calcium intake 343–348
- Bone**
 dietary protein, stunting 213–224
- Bone mineral density**
 calcium intake, body mass 343–348
 ethnic differences 587–591
 L-thyroxine 593–597
- Bradykinin antisera**
 kinin assay, angiotensin-converting enzyme inhibitors 567–574
- Brain**
 neurofibromatosis type 1, messenger RNA 481–485
- Brain natriuretic peptide**
 cardiac chamber volume, extracellular fluid volume 679–684
 left atrial pressure 671–677
 radioimmunoassay, chronic renal failure 319–322
- Brain tumour**
 neurofibromatosis type 1, messenger RNA 481–485
- Caffeine**
 syncope, ageing 259–267
- Calcitriol**
 glucose tolerance, uraemic hyperparathyroidism 533–538
- Calcium**
 cyclosporin, atrial natriuretic peptide 383–387
 slow component, intact heart 547–551
- Calcium absorption**
 strontium 363–368
- Calcium intake**
 bone mineral density, body mass 343–348
- Calcium oxalate crystallization**
 urate, Tamm–Horsfall mucoprotein 137–142
- Campesterol**
 sitostanol ester 61–67
- Cancer cachexia**
 lipid metabolism, tumour necrosis factor 349–355
- c-Anti-neutrophil cytoplasmic antibody**
 α_1 -antitrypsin deficiency, Wegener's granulomatosis 693–695
- Capsaicin**
 histamine presynaptic receptor, mast cells 151–163
- Carbon dioxide**
 hyperinsulinaemic clamp 415–419
- Cardiac chamber volume**
 extracellular fluid volume, natriuretic peptides 679–684
- Cardiac failure**
 exercise, gas exchange 231–238
- Cardiac hypertrophy**
 hypertension, growth hormone 239–243
 progress in Japan 115–116
- Cardiac muscle**
 force, slow component 547–551
 protein synthesis, sepsis 539–546
- Cardiac output**
 orthostatic hypotension, autonomic failure 553–558
- Cardiac performance**
 hypertension, exercise 275–287*

- Cardiac transplantation
 - N-terminal atrial natriuretic peptide 311–317
- Cardiovascular risk
 - insulin, growth hormone deficiency 201–206
- Carotenes
 - falciparum malaria 505–511
- Catecholamines
 - hypoglycaemia, orthostasis 193–199
- Caucasians
 - bone mineral density 587–591
- Central blood volume
 - orthostatic hypotension, autonomic failure 553–558
- Cerebrovascular disease
 - progress in Japan 119–120
- C-fibres
 - histamine presynaptic receptor, mast cells 151–163
- Charge selectivity
 - amylase, glomerulus 421–425
- Cholecystokinin
 - platelet-activating factor, pancreatitis 85–90
- Cholesterol
 - sitostanol ester 61–67
 - vitamin E, falciparum malaria 505–511
- Chromatography
 - C-type natriuretic peptide, haemodialysis 319–322
- Chronic fatigue
 - autonomic nervous system, spectral analysis 655–661
- Chronic hypoxia
 - pulmonary vascular remodelling, neutral endopeptidase inhibitor 109–114
- Chronic renal failure
 - cardiac chamber volume, natriuretic peptides 679–684
 - C-type natriuretic peptide, radioimmunoassay 319–322
 - N-terminal atrial natriuretic peptide 311–317
- Chronotropic sensitivity
 - autonomic blockade, ageing 297–302
- Cirrhosis
 - cysteine, sulphate 357–362
 - renal function, aprotinin 329–335
- Clinical research
 - progress in Japan 115–135
- Collateral flow
 - nitric oxide, hypercholesterolaemia 53–59
- Colorectal cancer
 - essential fatty acids, cytokines 711–717
- Congestive heart failure
 - C-type natriuretic peptide, radioimmunoassay 319–322
- Contractile response
 - resistance arteries, diabetes 31–36
- Contrast media
 - renal function, endothelin 427–434
- Coronary angioplasty
 - restenosis, adhesion molecules 627–633
- Corticosteroids
 - protein turnover, bone and muscle growth 607–618
- Corticosterone
 - aldosterone, hyponatraemia 435–439
- C-peptide
 - prediabetic state 187–192
- Creatine
 - energy metabolism, exercise 707–710
- Critical illness
 - protein and amino acid metabolism, muscle wasting 619–626
- C-type natriuretic peptide
 - radioimmunoassay, chronic renal failure 319–322
- Cyclic GMP
 - L-arginine, platelet aggregation 303–310
- Cyclosporin
 - endothelin, atrial natriuretic peptide 383–387
- Cysteine
 - cirrhosis 357–362
- Cystic fibrosis
 - electrocardiography, signal variability 103–107
- Cytokines
 - essential fatty acids, colorectal cancer 711–717
 - infection, diagnosis 165–171
 - restenosis, coronary angioplasty 627–633
 - ulcerative colitis 453–458
- Detrusor muscle
 - progestogens, oestrogen 337–342
- Diabetes
 - complications, glyoxylase 21–29
 - progress in Japan 128–129
 - resistance arteries, contractile response 31–36
 - vascular responsiveness, endothelin 37–43
- Diagnosis
 - infection, adhesion molecules 165–171
- Diastolic function
 - angiotensin, aldosterone 397–401
- Dietary energy
 - bone and muscle growth 599–606
 - protein turnover, bone and muscle growth 607–618
- Dietary fats
 - cytokine production, tumour necrosis factor 173–178

- Dietary protein
 - bone and muscle growth, stunting 213–224
 - protein turnover, bone and muscle growth 607–618
- Differentiation
 - smooth muscle cells, restenosis 467–479
- Digoxin-like substances
 - oxygen, respiratory disease 447–451
- Donor–recipient comparison
 - renal function 519–523
- Doppler echocardiography
 - diastolic function, angiotensin 397–401
- Dual-energy X-ray absorptiometry
 - regional fat distribution, growth hormone 581–586
- Dwarfism
 - cardiac hypertrophy, hypertension 239–243
- Echocardiography
 - hypertension, exercise 275–287*
- Effective renal plasma flow
 - reinnervation, kidney transplantation 13–20
- Eicosanoids
 - ulcerative colitis 453–458
- Electrical impedance
 - pulmonary blood volume 97–101
- Electrocardiography
 - signal variability, cystic fibrosis 103–107
- Endothelial cells
 - endothelin synthesis, enzyme-linked immunosorbent assay 245–251
- Endothelin
 - cyclosporin, atrial natriuretic peptide 383–387
 - endothelial cells, enzyme-linked immunosorbent assay 245–251
 - renal function, contrast media 427–434
 - vascular responsiveness, endothelin 37–43
- Endothelin antagonist
 - renal function, contrast media 427–434
- Endothelin-converting enzyme
 - endothelin synthesis, enzyme-linked immunosorbent assay 245–251
- Endothelium
 - acetylcholine, forearm blood flow 45–51
 - nitric oxide, platelet aggregation 303–310
 - resistance arteries, diabetes 31–36
- Endothelium-derived relaxing factor
 - collateral flow, hypercholesterolaemia 53–59
 - resistance arteries, diabetes 31–36
- Endotoxin
 - cytokine production, dietary fats 173–178
 - nitric oxide synthase, cellular localization 179–186
 - tumour necrosis factor, pharmacokinetics 459–465
- Energy metabolism
 - exercise, creatine 707–710
- Essential fatty acids
 - colorectal cancer, cytokines 711–717
- Ethanol
 - fatty acid synthesis 441–446
- Euglycaemic clamp
 - insulin sensitivity, obesity 407–413
 - metabolic responses, fasting 697–706
- Exercise
 - energy metabolism, creatine 707–710
 - gas exchange, cardiac failure 231–238
 - haemodynamics, hypertension 275–287*
 - leucocytosis, spleen 369–370
 - prediabetic state 187–192
- Extracellular fluid volume
 - cardiac chamber volume, natriuretic peptides 679–684
- Falciparum malaria
 - vitamins A and E 505–511
- Fasting
 - lipolysis, euglycaemic clamp 697–706
- Fatty acid synthase
 - ethanol 441–446
- Fatty liver
 - fatty acid synthesis 441–446
- Females
 - iron isotopes, absorption 91–95
- Flow cytometry
 - platelets, aspirin 575–580
- Force
 - slow component, intact heart 547–551
- Forearm blood flow
 - acetylcholine, sex difference 45–51
- Functional renal adaptation
 - donor–recipient comparison 519–523
- Gas exchange
 - cardiac failure, exercise 231–238
- Gastroenterology
 - progress in Japan 124–125
- Gene expression
 - hypertension 1–4
 - kallikrein, kidney 5–11
- Glomerular filtration
 - adenosine 143–149
 - reinnervation, kidney transplantation 13–20
 - transplantation, living-related donors 519–523
- Glomerulus
 - charge selectivity, amylase 421–425
- Glucocorticoids
 - bone and muscle growth 599–606
- Glucose tolerance
 - calcitriol, uraemic hyperparathyroidism 533–538

- Glycated haemoglobin
glyoxylase, diabetic complications 21–29
- G-protein genetics
parathyroid neoplasm 493–497
- Growth hormone
cardiac hypertrophy, hypertension 239–243
regional fat distribution, dual-energy X-ray absorptiometry 581–586
- Growth hormone deficiency
body composition, insulin 201–206
- Gut hormone tumours
oncogene genetics 493–497
- Haematology
progress in Japan 120–122
- Haemodialysis
cardiac chamber volume, natriuretic peptides 679–684
C-type natriuretic peptide, chromatography 319–322
- Haemodynamic arterial load
left ventricular relaxation, hypertension 641–647
- Haemodynamics
L-arginine, cyclic GMP 303–310
hypertension, exercise 275–287*
- Heart failure
skeletal muscle, metabolism 403–406
- Heart rate
angiotensin, aldosterone 397–401
orthostatic hypotension, autonomic failure 553–558
- Heart rate variability
arterial baroreceptors, neck chamber technique 649–654
baroreflex, alcohol 225–230
- Heavy chain
CH3 domain, orbital amyloidosis 487–491
- Histamine presynaptic receptor
C-fibres, mast cells 151–163
- Hydroxyproline
L-thyroxine 593–597
- Hypercholesterolaemia
collateral flow, nitric oxide 53–59
- Hyperinsulinaemic clamp
bicarbonate, stable isotopes 415–419
- Hyperlipidaemia
calcitriol, uraemic hyperparathyroidism 533–538
- Hypersensitivity
sympathetic denervation, reflex sympathetic dystrophy 663–669
- Hypertension
arterial pressure, salt 635–639
cardiac hypertrophy, growth hormone 239–243
gene expression 1–4
haemodynamics, exercise 275–287*
left ventricular relaxation, arterial stiffness 641–647
progress in Japan 117–118
N-terminal atrial natriuretic peptide 311–317
- Hyperuricosuria
calcium oxalate crystallization, Tamm–Horsfall mucoprotein 137–142
- Hypoglycaemia
catecholamines, orthostasis 193–199
- Hyponatraemia
aldosterone, corticosterone 435–439
- Hypotension
renin, adenosine 143–149
- Immunoglobulin
heavy chain CH3 domain, orbital amyloidosis 487–491
- Immunohistochemistry
kallikrein, kidney 5–11
- In situ* hybridization
kallikrein, kidney 5–11
- Indirect calorimetry
bicarbonate, hyperinsulinaemic clamp 415–419
- Infection
diagnosis, adhesion molecules 165–171
- Insulin
body composition, growth hormone deficiency 201–206
catecholamines, orthostasis 193–199
- Insulin-like growth factor-I
growth hormone, hypertension 239–243
- Insulin resistance
prediabetic state 187–192
- Insulin sensitivity
obesity 407–413
- Insulinoma
oncogene genetics 493–497
- Intact heart
slow component 547–551
- Interleukin-1
dietary fats, tumour necrosis factor 173–178
- Interleukin-2
peri-operative therapy, renal dysfunction 513–518
- Interleukin-6
dietary fats, tumour necrosis factor 173–178
platelet volume, renal artery stenosis 253–257
- Interleukin-8
coronary angioplasty 627–633
- Intestine
mucosal protein synthesis, sepsis 207–211
- Intimal proliferation
restenosis, smooth muscle cells 467–479
- Iron isotopes
absorption, females 91–95

- Isovolumic relaxation period
arterial stiffness, hypertension 641–647
- Japan
progress in clinical research 115–135
- Kallikrein
angiotensin-converting enzyme
inhibitors 567–574
cirrhosis, aprotinin 329–335
gene expression, kidney 5–11
- Kidney
kallikrein, gene expression 5–11
membrane transport proteins, progress in
Japan 122–123
thyroid disorders 323–328
- Kidney transplantation
reinnervation 13–20
- Kinetic analysis
Monte-Carlo simulation 371–381
- Kinin
cirrhosis, aprotinin 329–335
- Kinin assay
angiotensin-converting enzyme
inhibitors 567–574
- D-Lactate
glyoxylase, diabetic complications 21–29
- Lathosterol
sitostanol ester 61–67
- Left atrial pressure
natriuretic peptides 671–677
- Left ventricle
hypertension, exercise 275–287*
- Left ventricular diastolic filling
angiotensin, aldosterone 397–401
- Left ventricular pressure
slow component, intact heart 547–551
- Left ventricular relaxation
haemodynamic arterial load,
hypertension 641–647
- Leucocytosis
spleen, exercise 369–370
- Leukotrienes
ulcerative colitis 453–458
- Lipid
atherosclerosis, angiotensin-converting enzyme
inhibitor 685–691
- Lipid metabolism
tumour necrosis factor, cancer
cachexia 349–355
- Lipolysis
fasting, euglycaemic clamp 697–706
- Lipopolysaccharide
protein synthesis, cardiac muscle 539–546
- Lipoprotein lipase
adipose tissue, tumour necrosis factor 349–355
- Lithium clearance
reinnervation, kidney transplantation 13–20
transplantation, living-related donors 519–523
- Liver
nitric oxide synthase, septic shock 179–186
- Liver disease
progress in Japan 125–127
- Lower body negative pressure
reinnervation, kidney transplantation 13–20
- Macrophages
nitric oxide synthase, septic shock 179–186
- Malaria
vitamins A and E 505–511
- Malnutrition
bone and muscle growth 213–224, 599–606
- Mass spectrum analysis
iron isotopes, females 91–95
- Mast cells
histamine presynaptic receptor 151–163
- Medullary collecting duct
microcatheterization, atrial natriuretic
peptide 525–531
- Messenger RNA
cardiac muscle protein, sepsis 539–546
neurofibromatosis type 1, brain 481–485
- Methimazole
sodium excretion, renal
haemodynamics 323–328
- trans*-Methylation
cirrhosis 357–362
- Methylglyoxal
glyoxylase, diabetic complications 21–29
- Microcatheterization
medullary collecting duct, atrial natriuretic
peptide 525–531
- Mitochondria
pyruvate oxidation, ammonia 499–503
- Mitral stenosis
valvulotomy, natriuretic peptides 671–677
- Model
parenteral nutrition, aromatic amino
acids 75–84
- Model fitting
kinetic analysis 371–381
- Monocytes
nitric oxide synthase, septic shock 179–186
- Monte-Carlo simulation
kinetic analysis 371–381
- Mucosa
protein synthesis, sepsis 207–211
- Mucosal protection
polyacrylates 719–726

- Mucus**
 polyacrylates 719–726
- Multiple endocrine neoplasia**
 oncogene genetics 493–497
- Muscle**
 dietary protein, stunting 213–224
- Muscle fibre composition**
 prediabetic state 187–192
- Muscle mass**
 insulin, growth hormone deficiency 201–206
- Muscle wasting**
 protein and amino acid metabolism, critical illness 619–626
- Myocardial infarction**
 skeletal muscle, metabolism 403–406
- Myocardium**
 cystic fibrosis 103–107
 protein synthesis, sepsis 539–546
- Myography**
 vasopressin receptor antagonists 389–395
- Myointimal thickening**
 regression, angiotensin-converting enzyme inhibitor 685–691
- Myosin**
 cardiac muscle protein, sepsis 539–546
- Neck chamber technique**
 arterial baroreceptors, heart rate variability 649–654
- Nematode infection**
 histamine presynaptic receptor, mast cells 151–163
- Neonatal infection**
 diagnosis, adhesion molecules 165–171
- Neonate**
 aromatic amino acids, parenteral nutrition 75–84
- Nephrotoxicity**
 peri-operative therapy, interleukin-2 513–518
- Neurofibromatosis type 1**
 messenger RNA, brain 481–485
- Neurofibromin**
 messenger RNA, brain 481–485
- Neurology**
 progress in Japan 133–135
- Neutral endopeptidase inhibitor**
 pulmonary vascular remodelling, chronic hypoxia 109–114
- Nitrate**
 gas chromatography–mass spectrometry, nitric oxide 303–310
- Nitric oxide**
 acetylcholine, forearm blood flow 45–51
 collateral flow, hypercholesterolaemia 53–59
 cyclic GMP, platelet aggregation 303–310
 resistance arteries, diabetes 31–36
 vascular responsiveness, diabetes 37–43
- Nitric oxide synthase**
 cellular localization, septic shock 179–186
- Noradrenaline**
 post-obesity 69–74
 reinnervation, kidney transplantation 13–20
- N-Terminal atrial natriuretic peptide**
 radioimmunoassay, cross-reaction 311–317
- Obesity**
 insulin 407–413
 insulin, growth hormone deficiency 201–206
- Oestrogens**
 detrusor muscle 337–342
- Older men and women**
 regional fat distribution, dual-energy X-ray absorptiometry 581–586
- Oncogene genetics**
 parathyroid neoplasm 493–497
- Orbital amyloidosis**
 immunoglobulin heavy chain, CH3 domain 487–491
- Orthostasis**
 hypoglycaemia, catecholamines 193–199
- Orthostatic hypotension**
 autonomic failure, manoeuvres 553–558
- Oxygen**
 digoxin-like substances, respiratory disease 447–451
- ³¹P-nuclear magnetic resonance spectroscopy
 skeletal muscle, myocardial infarction 403–406
- [1-¹³C]Palmitate
 euglycaemic clamp, fasting 697–706
- Pancreatic polypeptide**
 post-obesity 69–74
- Pancreatitis**
 platelet-activating factor 85–90
- Parathyroid neoplasm**
 oncogene genetics 493–497
- Passive stretch**
 protein turnover, bone and muscle growth 607–618
- Pepsin**
 polyacrylates 719–726
- Peptide YY**
 post-obesity 69–74
- Perindopril**
 atherosclerosis, regression 685–691
- Peri-operative therapy**
 interleukin-2, renal dysfunction 513–518
- Peripheral vascular disease**
 platelet volume, interleukin-6 253–257

- Pharmacokinetics
tumour necrosis factor, endotoxaemia 459–465
- Phenylalanine
parenteral nutrition, neonate 75–84
- Phosphocreatine
exercise, creatine 707–710
- Phosphoramidon
renal function, contrast media 427–434
- Piglet
parenteral nutrition, aromatic amino acids 75–84
- Platelet aggregation
L-arginine, cyclic GMP 303–310
- Platelet-activating factor
pancreatitis 85–90
- Platelet-derived growth factor
platelet volume, renal artery stenosis 253–257
- Platelet mass
interleukin-6, renal artery stenosis 253–257
- Platelet volume
interleukin-6, renal artery stenosis 253–257
- Platelets
flow cytometry, aspirin 575–580
- Plethysmography
total forearm blood flow 559–566
- Polyacrylates
pepsin, mucus 719–726
- Polyunsaturated fatty acids
cytokine production, tumour necrosis factor 173–178
- Post-obesity
adrenaline 69–74
- Precursor sterols
sitostanol ester 61–67
- Prediabetic state
insulin sensitivity 187–192
- Production kinetics
tumour necrosis factor, endotoxaemia 459–465
- Progestogens
detrusor muscle 337–342
- Prostaglandins
ulcerative colitis 453–458
- Protease inhibition
renal function, cirrhosis 329–335
- Protein synthesis
bone and muscle growth 607–618
cardiac muscle, sepsis 539–546
critical illness, muscle wasting 619–626
mucosa, sepsis 207–211
- Proteinuria
glomerular charge selectivity, amylase 421–425
- Proteoglycan synthesis
bone and muscle growth 607–618
- Proteolysis
bone and muscle growth 607–618
- Pulmonary blood volume
electrical impedance tomography 97–101
- Pulmonary hypertension
atrial natriuretic peptide 109–114
- Pulmonary vascular remodelling
chronic hypoxia, neutral endopeptidase inhibitor 109–114
- Pulse wave reflection
left ventricular relaxation, hypertension 641–647
- Pyruvate oxidation
ammonia, Reye's syndrome 499–503
- Recovery phase
cardiac failure, exercise 231–238
- Rectum
mucosal protein synthesis, sepsis 207–211
- Reflex sympathetic dystrophy
sympathetic denervation, hypersensitivity 663–669
- Regional fat distribution
dual-energy X-ray absorptiometry, growth hormone 581–586
- Regression
kinetic analysis 371–381
- Reinnervation
kidney transplantation 13–20
- Renal artery stenosis
platelet volume, interleukin-6 253–257
- Renal blood flow
adenosine 143–149
- Renal dysfunction
peri-operative therapy, interleukin-2 513–518
- Renal function
cirrhosis, aprotinin 329–335
contrast media, endothelin 427–434
- Renal haemodynamics
sodium excretion, thyroxine 323–328
- Renal oxygen consumption
adenosine 143–149
- Renal transplantation
renal function, living-related donors 519–523
- Renal tubular function
transplantation, living-related donors 519–523
- Renal tubular transport
atrial natriuretic peptide, salt intake 525–531
- Renin
cirrhosis, aprotinin 329–335
hypertension, adenosine 143–149
kinins, angiotensin-converting enzyme inhibitors 567–574
- Resistance arteries
contractile response, diabetes 31–36
- Resistance exercise
regional fat distribution, dual-energy X-ray absorptiometry 581–586

- Respiratory disease
 digoxin-like substances, oxygen 447–451
- Respiratory medicine
 progress in Japan 130–133
- Restenosis
 coronary angioplasty, adhesion molecules 627–633
 smooth muscle cells, differentiaion 467–479
- S_A gene
 hypertension 1–4
- S1 nuclease
 neurofibromin, messenger RNA 481–485
- ³⁵S uptake
 bone and muscle growth 607–618
- Salicylate
 pyruvate oxidation, Reye's syndrome 499–503
- Salt
 arterial pressure, hypertension 635–639
- Salt excretion
 adenosine 143–149
- Salt intake
 renal function, atrial natriuretic peptide 525–531
- Scintigraphy
 amyloid, regression 289–295
- Secondary hyperparathyroidism
 glucose tolerance, calcitriol 533–538
- Sensitivity
 macronutrient balance, obesity 407–413
- Sepsis
 cardiac muscle protein, messenger RNA 539–546
 mucosal protein synthesis, gastrointestinal tract 207–211
- Septic shock
 nitric oxide synthase, cellular localization 179–186
- Serum amyloid P component
 amyloidosis, regression 289–295
- Serum cholesterol
 sitostanol ester 61–67
- Sex difference
 forearm blood flow, acetylcholine 45–51
- Signal variability
 electrocardiography, cystic fibrosis 103–107
- Sitostanol ester
 cholesterol absorption 61–67
- Skeletal muscle
 blood flow, adipose tissue 559–566
 metabolism, myocardial infarction 403–406
- S-D-Lactoylglutathione
 glyoxylase, diabetic complications 21–29
- Sleep apnoea
 arousal, pulse transit time 269–273
- Slow component
 intact heart 547–551
- Smooth muscle cells
 differentiation, restenosis 467–479
- Sodium
 digoxin-like substances, oxygen 447–451
- Sodium clearance
 reinnervation, kidney transplantation 13–20
- Sodium excretion
 renal haemodynamics, thyroxine 323–328
- Soluble endothelial leucocyte adhesion molecule-1
 coronary angioplasty 627–633
- Soluble intercellular cell adhesion molecule-1
 coronary angioplasty 627–633
- Soluble interleukin-2 receptor
 coronary angioplasty 627–633
- Soluble leucocyte endothelial cell adhesion molecule-1
 coronary angioplasty 627–633
- Spectral analysis
 autonomic nervous system, chronic fatigue 655–661
- Splanchnic circulation
 syncope, caffeine 259–267
- Spleen
 leucocytosis, exercise 369–370
 nitric oxide synthase, septic shock 179–186
- Spontaneously hypertensive rat
 S_A gene 1–4
- Sport
 haemodynamics, hypertension 275–287*
- Stable isotopes
 bicarbonate, hyperinsulinaemic clamp 415–419
- Stomach
 mucosal protein synthesis, sepsis 207–211
- Stroke volume
 orthostatic hypotension, autonomic failure 553–558
- Strontium
 calcium absorption 363–368
- Stunting
 bone and muscle growth, dietary protein 213–224
 glucocorticoids, dietary energy 599–606
- Sulphate
 cirrhosis 357–362
- trans*-Sulphuration
 cirrhosis 357–362
- Sympathetic denervation
 hypersensitivity, reflex sympathetic dystrophy 663–669
- Sympathetic nervous system
 reinnervation, kidney transplantation 13–20
- Syncope
 ageing, caffeine 259–267

- Systemic vascular resistance
 orthostatic hypotension, autonomic failure 553–558
- Tamm–Horsfall mucoprotein
 calcium oxalate crystallization, urate 137–142
- Thermogenesis
 fasting, euglycaemic clamp 697–706
- Thrombin
 platelets, flow cytometry 575–580
- Thyroid disorders
 sodium excretion, renal haemodynamics 323–328
- Thyroxine
 bone metabolism 593–597
- Tomography
 pulmonary blood volume 97–101
- Tricarboxylic acid cycle
 ammonia, Reye's syndrome 499–503
- Tumour necrosis factor
 cytokine production, dietary fats 173–178
 lipoprotein lipase, adipose tissue 349–355
 pharmacokinetics, endotoxaemia 459–465
 ulcerative colitis 453–458
- Tyrosine
 parenteral nutrition, neonate 75–84
- Ulcerative colitis
 cytokines 453–458
- Uninephrectomy
 renal function, living-related donors 519–523
- Uraemia
 hyperparathyroidism, calcitriol 533–538
- Urate
 calcium oxalate crystallization, Tamm–Horsfall mucoprotein 137–142
- Urea cycle
 pyruvate oxidation, ammonia 499–503
- Urine
 calcium oxalate crystallization, Tamm–Horsfall mucoprotein 137–142
- Urolithiasis
 urate, Tamm–Horsfall mucoprotein 137–142
- Valvulotomy
 mitral stenosis, natriuretic peptides 671–677
- Vascular responsiveness
 diabetes, endothelin 37–43
- Vascular smooth muscle
 cyclosporin, atrial natriuretic peptide 383–387
- Vasculature
 vasopressin receptor antagonists 389–395
- Vasopressin
 vasculature, myography 389–395
- Vasopressin receptor antagonists
 vasculature, myography 389–395
- Venous pooling
 orthostatic hypotension, autonomic failure 553–558
- Vitamin A
 falciparum malaria 505–511
- Vitamin E
 falciparum malaria 505–511
- Wegener's granulomatosis
 α_1 -antitrypsin deficiency, c-anti-neutrophil cytoplasmic antibody 693–695
- Whole body counting
 iron isotopes, females 91–95
- Xenon
 adipose tissue blood flow 559–566
- Zymosan
 critical illness, protein and amino acid metabolism 619–626