

PUBLISHED BY
THE MEDICAL RESEARCH SOCIETY AND THE BIOCHEMICAL SOCIETY

© The Medical Research Society and the Biochemical Society 1988
ISSN 0143-5221

Printed in Great Britain by Whitstable Litho Ltd, Whitstable, Kent

Volume 75

AUTHOR INDEX

- Aalkjaer, C. 449-453
Abel, E.D. 521-526
Aber, G.M. 191-196
Afford, S.C. 601-607
Ainley, C.C. 277-283
Albers, S. 463-468
Allen, M.J. 35-39, 569-575
Alpers, J.H. 5-11
Al-Safi, S.A. 217-220
Al-Shamma, Y.M.H. 159-165
Altura, B.T. 661-667
Altura, D.M. 661-667
Amery, A. 293-300
Ang, V.T.Y. 35-39, 569-575
Apebe, P. 135-142
Ardailou, R. 243-249
Ardawi, M.S.M. 93-100
Arroyo, V. 263-269
Atherton, J.C. 151-157, 403-410
- Ball, J.A. 309-313
Bank, R.A. 649-654
Bara, L. 341-343
Barbezat, G.O. 127-133
Barden, A. 527-534
Barr, S.M. 221-224
Barradas, M.A. 559-560
Beilin, L.J. 527-534
Belai, A. 629-635
Benjamin, N. 337-340
Bennett, E.D. 35-39, 569-575
Bennett, T. 85-92, 389-394
Berenson, M.M. 593-599
Bergstrom, R. 543-549
Berrington, J.M. 499-502
Bhoola, K.D. 489-494
Billington, D. 13-20, 375-378
Birmingham, A.T. 285-291
Blauw, G.-J. 469-475
Bloom, S.R. 121-126, 309-313
Bobinski, H. 151-157, 403-410
Boer, P. 271-276
Bonithon-Kop, C. 341-343
Bouchier, I.A. 147-149
Bouillaud, F. 21-27
Bouillon, R. 293-300
Branch, W.J. 355-361, 363-370
Bruun, N.E. 609-613
Buckley, M.G. 171-177
Bulstrode, C.J.K. 637-640
Bund, S.J. 449-453
- Burnett, D. 601-607
Burnstock, G. 629-635
Buttle, D.J. 601-607
- Calabresi, L. 135-142
Cameron, G. 481-487
Campbell, E.J. 601-607
Camps, J. 263-269
Capstick, A. 13-20
Cardoso, H. 309-313
Carlsson, L.K. 277-283
Cason, J. 277-283
Cassard, A.-M. 21-27
Cassidy, D. 345-350
Cecchin, E. 445-447
Chalmers, R.A. 437-440
Chang, P.C. 469-475
Channer, K.S. 1-4
Chappell, S. 197-202
Chen, Y.H. 503-507
Clarkson, P.M. 257-261
Coello, J. 495-498
Collier, J.G. 337-340
Collins, P. 197-202
Comte, L. 29-34
Conard, J. 341-343
Cooke, E. 309-313
Coppin, C.M.L. 203-207
Cottam, S.L. 151-157
Critchley, M. 375-378
Crockett, A.J. 5-11
Cumming, G. 371-373
Cummings, J.H. 355-361, 363-370
Czekalski, S. 243-249
- Dandona, P. 559-560
Danpure, C.J. 315-322
Dargie, H.J. 589-592
de Fabiani, D. 135-142
De Marchi, S. 445-447
de Sousa, C. 437-440
del Greco, F. 159-165
Dieppe, P.A. 561-567
Dijkman, J. 351-353, 53-62
Dirks, J.H. 203-207, 509-514
Donker, A.J.M. 421-428, 649-654
Dorhout Mees 271-276
Drueke, T. 29-34
Duane, P. 185-190, 445-447
Dussaule, J.C. 243-249
- Ebbeling, C. 257-261
Eriksson, A.W. 649-654
Esler, M. 109-111
- Fagard, R. 293-300
Farish, E. 221-224
Fellows, I.W. 285-291, 389-394
Feuerstein, T.J. 559-560
Fiocchi, R. 293-300
Ford, G.C. 225-231
Forsling, M.L. 171-177
Forstermann, U. 559-560
Franceschini, G. 135-142
Franken, C. 351-353
Frenkel, M. 101-107
Funovics, J. 641-648
Furst, P. 463-468, 641-648
Fyhrquist, F. 411-414
- Gallo, L. 209-215
Garcia-Marin, J.J. 593-599
Garrow, J.S. 225-231
Gatti, E. 135-142
Gaya, J. 263-269
Geddes, D.M. 535-542
George, R.J.D. 535-542
Ghatei, M.A. 121-126
Gibson, J.N.A. 415-420, 79-83
Giese, J. 609-613
Gilmore, I.T. 375-378
Gloster, E.S. 661-667
Goldstein, D.S. 515-520
Goode, A.W. 637-640
Goodlad, R.A. 121-126
Gray, C. 151-157
Green, R. 151-157, 403-410
Gregory, H. 121-126
Griffith, M.E. 489-494
Gronhagen-Riska, C. 411-414
Guarner, F. 263-269
Gutkowska, J. 495-498
Guyatt, A.R. 371-373
Guz, A. 251-255
- Hainsworth, R. 159-165
Halliday, D. 225-231, 363-370, 481-487
Ham, I.W. 71-77
Harker, M. 179-184, 521-526
Hassan, A.A.K. 379-387

- Heagerty, A.M. 449–453
 Henderson, E. 589–592
 Henderson, G.D. 5–11
 Henriquez-La Roche, C. 581–587
 Hentz, E. 21–27
 Hermann, K.L. 331–336
 Herrera, J. 495–498, 581–587
 Heslop, K.E. 71–77
 Hesp, R. 481–487
 Hespel, P. 293–300
 Higaki, J. 669–672
 Hillier, V. 403–410
 Hilton, P.J. 577–579
 Holgate, S.T. 429–436
 Holstein-Rathlou, N.H. 609–613, 655–659
 Hopwood, D. 147–149
 Houben, H. 615–619
 Howard, J. 363–370
 Howes, L.G. 109–111
 Hughson, R.L. 41–46
 Hutton, C.W. 561–567
 Hvarfner, A. 543–549

 Ibsen, H. 609–613
 Imura, K. 301–307
 Irving, M.H. 233–242
 Itskovitz, H.D. 503–507
 Iwahashi, H. 477–480

 Jacyna, M.R. 147–149
 Jenkins, J.S. 35–39
 Jenkins, M.V. 143–146
 Jennings, P.R. 315–322
 Jeremy, J.Y. 559–560
 Johnson, A.W. 499–502
 Johnston, D.J. 345–350
 Joles, J.A. 271–276
 Jones, J.V. 1–4

 Kamper, A. 655–659
 Karner, J. 641–648, 641–648
 Katakity, M. 143–146
 Katz, D. 481–487
 Keiser, H.R. 515–520
 Kelly, G. 515–520
 Kido, R. 477–480
 Kirkham, A.J.T. 371–373
 Klasen, E.C. 53–62
 Koh, H. 159–165
 Koomans, H.A. 271–276
 Kramps, J.A. 351–353, 53–62
 Kriek, E. 469–475
 Kumahara, Y. 669–672

 Lacour, B. 29–34
 Laker, M.F. 345–350
 Lambert, G. 109–111
 Langford, J.A. 535–542
 Latimer, K.M. 5–11

 Leehey, D.J. 441–444
 Lees, K.R. 221–224
 Leiper, J.B. 63–70
 Lenders, J. 615–619
 Lenton, W. 121–126
 Leung, N.W.Y. 437–440
 Levinson, P.D. 515–520
 Lewis, H.M. 489–494
 Lewis, Malcolm 197–202
 Lewis, Mark 197–202
 Leyssac, P.P. 655–659
 Lijnen, P. 293–300
 Lithell, H. 543–549
 Ljunghall, S. 543–549
 Losowsky, M.S. 499–502
 Loveridge, N. 143–146
 Lubcke, R. 127–133
 Lucas, P.A. 29–34

 MacArthur, S.E. 143–146
 Macdonald, I.A. 85–92, 285–291, 389–394
 MacGregor, G.A. 171–177
 Maciel, B.C. 209–215
 Maciel, L.M.Z. 209–215
 Maddocks, J.L. 217–220
 Majzoub, M.F. 93–100
 Manning, A. 499–502
 Mansell, P.I. 285–291
 Markandu, N.D. 171–177
 Martinez, D. 375–378
 Martins, L.E.B. 209–215
 Masuyama, Y. 477–480
 Mathew, R. 661–667
 Mathias, C.J. 71–77
 Maughan, R.J. 63–70
 Mavichak, V. 203–207
 May, C.N. 71–77
 Mazanti, I. 331–336
 McBryan, D.D. 221–224
 McCormick, K. 63–70
 McLenachan, J.M. 589–592
 McMaster, M.J. 79–83
 Meier, G. 551–557
 Meijer, S. 421–428
 Merritt, H. 225–231
 Messenger, E.A. 191–196
 Metsarinne, K. 411–414
 Meuwissen, S.G.M. 649–654
 Michel, C. 243–249
 Mignon, F. 243–249
 Mikhailidis, D.P. 559–560
 Minatogawa, Y. 477–480
 Mir, M.A. 197–202
 Mirsky, R. 629–635
 Moerman, E. 293–300
 Moller, N. 345–350
 Molteni, A. 159–165
 Montorsi, P. 455–462
 Moreno, Y. 135–142

 Morgan, K. 197–202
 Morlin, C. 543–549
 Morris, A.I. 13–20, 375–378
 Morris, J.F. 577–579
 Morris, K.I. 589–592
 Morrison, W.L. 415–420
 Mulderry, P.K. 309–313
 Munck, O. 655–659

 Neto, J.A.M. 209–215
 Newsholme, E.A. 93–100
 Ng, L.L. 179–184, 521–526
 Nielsen, A.H. 331–336
 Noe, D. 135–142

 O'Donoghue, D.P. 389–394
 Ogihara, T. 669–672
 Ollenschlager, G. 641–648
 Orssaud, G. 341–343

 Pacy, P.J. 225–231, 481–487
 Pals, G. 649–654
 Parra, G. 495–498, 581–587
 Pearson, D. 47–52
 Perez-Barriocanal, F. 593–599
 Peters, T.J. 185–190, 437–440, 445–447
 Petrany, G. 345–350
 Phillips, G.D. 429–436
 Picache, A.A. 441–444
 Polonia, J. 455–462
 Poston, L. 577–579
 Poulsen, K. 331–336
 Preedy, V.R. 445–447
 Pronk, J.C. 649–654

 Quayle, J.A. 13–20
 Quintanilla, A.P. 159–165

 Rahman, M. 159–165
 Raimbault, S. 21–27
 Redondo-Torres, J.G. 593–599
 Reeve, J. 481–487
 Reid, J. 221–224
 Reitsma, W.D. 421–428
 Rennie, M.J. 415–420, 79–83
 Richards, A.M. 455–462
 Ricquier, D. 21–27
 Rietveld, T. 101–107
 Rios-Mollineda 601–607
 Rivera, F. 263–269
 Robertson, G.L. 441–444
 Robertson, J.D. 63–70
 Rocker, G.M. 47–52
 Rodes, J. 263–269
 Rodriguez-Iturbe, B. 495–498, 581–587
 Ross, P.E. 147–149
 Roth, E. 641–648
 Rubin, P.C. 221–224
 Ruffin, R.E. 5–11

- Sagnella, G.A. 171-177
Samama, M. 341-343
Saphier, P.W. 143-146
Savage, A.P. 121-126
Scanlon, M. 197-202
Scarabin, P.Y. 341-343
Schembri, A. 5-11
Schepbach, W. 355-361, 363-370
Schrezenmeir, J. 355-361, 363-370
Scott, A.R. 85-92
Scott, P.J. 637-640
Scrimgeour, C. 415-420, 79-83
Self, R. 363-370
Selwyn, B.M. 489-494
Semple, P.F. 395-402
Shale, D.J. 47-52
Sheldon, W.L. 345-350
Shiota, T. 301-307
Shirley, D.G. 621-628
Shore, A.C. 171-177, 621-628
Simmel, A. 641-648
Singer, D.R.J. 171-177
Sirtori, C.R. 135-142
Skaarup, P. 655-659
Skott, P. 609-613
Slavin, B.M. 277-283
Smit, A.J. 421-428
Smith, G.A. 375-378
Sola, J. 263-269
Solomon, L.R. 151-157, 403-410
Spurlock, G. 197-202
Staessen, J. 293-300
Stamp, T.C.B. 143-146
Stehle, P. 463-468
Stephens, M. 47-52
Stier, C.T., Jr 503-507
Stockdale, H. 375-378
Stockley, R.A. 601-607
Stone, F.A. 71-77
Stonier, C. 191-196
Stoward, P.J. 79-83
Strangaard, S. 655-659
Stull, R. 515-520
Sugden, A.L. 171-177
Sutton, R.A.L. 203-207
Swain, L.M. 301-307
Swales, J.D. 449-453
Swart, G.R. 101-107
Ten Kate, R.W. 649-654
Thien, T. 615-619
Thomas, S.H.L. 535-542
Thompson, R.P.H. 277-283
Threlfall, C.J. 233-242
Tillman, D.M. 395-402
Toftdahl, D. 609-613
Tonolo, G. 455-462
Tooke, J.E. 379-387
Torikai, S. 323-330
Touraine, P. 243-249
Tresadern, J.C. 233-242
Tsuda, K. 477-480
Tsuda, S. 477-480
van Brummelen, P. 469-475
van den Berg, J.W.O. 101-107
van der Krogt, J.A. 469-475
Van Dreden, P. 341-343
van Twisk, Ch. 53-62
van Valdern, R. 615-619
van Vuure, J.K. 101-107
Vandongen, R. 527-534
Villarroya, F. 21-27
Vinnars, E. 463-468
Walker, I. 499-502
Walker, V. 203-207
Walser, M. 301-307
Walter, S.J. 621-628
Wattimena, J.L.D. 101-107
Watts, H.J. 151-157
Webb, D.J. 337-340
Weffer, M.I. 159-165
Weinberg, J.R. 251-255
Wernerman, J. 463-468
Wesseling, H. 421-428
Westacott, C.I. 561-567
Whicher, J.T. 561-567
Whiting, P.H. 63-70
Wide, L. 543-549
Wiggins, H.S. 363-370
Wilford, K. 233-242
Wilkins, M.R. 489-494
Willemsen, J. 615-619
Williams, A. 375-378
Williams, G. 309-313
Wilson, R. 113-120
Wolfe, C.D. 577-579
Wong, N.L.M. 203-207, 509-514
Wright, D.J.M. 251-255
Wright, N.A. 121-126
Yelland, U.J. 489-494
Zimlichman, R. 515-520
Zoppi, F. 135-142

ACKNOWLEDGMENTS

The Editorial Board of *Clinical Science* gratefully acknowledges the assistance given by the following referees during the year 1987.

- | | | | | |
|----------------------|--------------------|------------------------|------------------|----------------------|
| Aaronson, P. | Campbell, R.W.F. | Emery, P. | Henderson, A.H. | MacDermot, J. |
| Aber, G.M. | Catterall, J.R. | Erdmann, E. | Henderson, R.M. | MacGregor, G.A. |
| Abumrad, N. | Causon, R.C. | Ewing, D.J. | Heptinstall, S. | MacLean, D. |
| Ackrill, P. | Challis, R.A.J. | | Hervey, G.R. | MacLenann, I.S. |
| Adibi, S. | Chanarin, I. | Feehally, J. | Hicks, M.N. | MacNee, W. |
| Alberti, K.G.M.M. | Chapel, H. | Ferenci, P. | Higgenbottan, T. | Mallick, N.P. |
| Anderson, D.C. | Charles, P. | Fitzsimons, J.T. | Hilton, P.J. | Man in 't Veld, A.J. |
| Anderson, J. | Checkley, S.A. | Flapan, A.D. | Hjemdahl, P. | Mann, J.L. |
| Anderton, J.L. | Chipperfield, A.R. | Flenley, D.C. | Hoare, D.G. | Marguerie, G. |
| Anfilogoff, N.H. | Christensen, P. | Fogelman, I. | Hodgson, H. | Marre, M. |
| Archer, A.G. | Church, M. | Forbes, A. | Holgate, S. | Marston, A. |
| Atherton, J.C. | Clarke, R.W. | Forfar, J.C. | Home, P.D. | Mary, D.A.S.G. |
| | Cohen, R.D. | Forsling, M. | Hosker, J. | Mathias, C.J. |
| Ball, S.G. | Colverly, P. | Fozard, J.R. | Hughes, G. | Matthews, D. |
| Barker, C.J. | Coote, J.H. | Fraser, R. | Hughes, J.M.B. | Maughan, R. |
| Barnett, D.B. | Costanzo, L.S. | Frayn, K.N. | Humphries, S. | Mawer, E.B. |
| Baron, D.N. | Cotes, J.E. | | | May, C.N. |
| Bates, C.J. | Cowan, C. | Gait, M. | Irving, M. | McFarlane, I.G. |
| Baylis, P.H. | Coward, R. | Galton, D.J. | | McGarvey, M. |
| Bayliss, P. | Cowley, A. | Gardiner, S.M. | Jackson, G. | McGregor, G. |
| Bedwani, J.R. | Craig, R. | Gardner, M.L.G. | Jackson, M.J. | McIntyre, N. |
| Belch, J.J.F. | Crake, T. | Garland, H.O. | Jayne, D.R.W. | McLoughlin, C. |
| Bennett, T. | Cumming, A.D. | Garlick, P.J. | Jennings, K. | McNicol, M.W. |
| Better, O.S. | Cundy, T.C. | Gavras, H.P. | Johnson, D. | McNurlan, M.A. |
| Betteridge, D.J. | Cushley, M. | Gillespie, S.H. | Jones, D.A. | McVicar, A.J. |
| Bianchi, G. | | Giudicelli, Y. | Jones, E.A. | McWilliams, P.N. |
| Bichara, M. | Dandona, P. | Goodwin, G.M. | Jones, H.A. | Menzel, H.J. |
| Bieth, J.G. | Daniel, P.M. | Gordon, R.D. | | Milligan, D.W. |
| Bignall, S. | Dargie, H. | Grandordy, B. | Kanis, J.A. | Miloszewski, K.J.A. |
| Bindslev, N. | Davies, C.T.M. | Grant, P.J. | Kay, J.D.S. | Mimran, A. |
| Bird, A.G. | Davies, D.L. | Greaves, M. | Kellett, G.L. | Mitch, W.E. |
| Bishop, N. | Davies, M. | Greening, A.P. | Kenny, A.J. | Moncada, S. |
| Blair, E.L. | Davies, M.K. | Guilland-Cumming, D.F. | Kerry, R. | Morice, A.H. |
| Bonnet, C. | Davis, M. | Gutteridge, J.M.C. | King, R.J. | Morley, C.A. |
| Boon, N.A. | Davison, J.M. | Guy, R.J.C. | Kooner, J.S. | Morris, B.J. |
| Borysiewicz, L.K. | Demant, T.H. | Guyatt, A.R. | Kuchel, O. | Morton, A.J. |
| Boyd, C.A.R. | Denjean, A. | | | Morton, J.J. |
| Boyle, I.T. | De Swiet, M. | Hall, J.A. | Laduron, P. | Mundy, G. |
| Brain, S.D. | Dickinson, D.F. | Hallett, M. | Lambie, A.T. | Murphy, G.M. |
| Brand, M.D. | Dickinson, K.E.S. | Halliwell, B. | Laszlo, G. | Myant, N.B. |
| Brink, C. | Dillon, M. | Hamilton, C. | Laycock, J.F. | |
| Broughton-Pipkin, F. | Douglas, J.T. | Hardcastle, J. | Lazarus, J.H. | Naish, P. |
| Brown, B. | Durrington, P. | Hardisty, R.M. | Leckie, B.J. | Nash, G. |
| Brown, J. | | Hardman, M.H. | Lee, M.R. | Nathan, A.W. |
| Bühler, F.R. | Eccles, R. | Harkness, R.A. | Lee, T. | Newham, D.J. |
| Bulpitt, C.J. | Edmonds, M. | Harpur, E.S. | Leslie, D. | Newsholme, E.A. |
| Burke, C.W. | Edmunds, M.E. | Harrap, S.B. | Leslie, R.D.G. | Ng, L.L. |
| Burkinshaw, L. | Edwards, M.E. | Harvey, G.R. | Levick, J.R. | Nicholaides, A. |
| Burnett, D.B. | Edwards, R.J. | Haycock, G.B. | Levin, G.E. | Nimmo, I.A. |
| Burroughs, A.K. | Elia, M. | Haylor, J. | Lew, D. | |
| | Elliot, H. | Hayslett, J.P. | Linton, A. | O'Malley, K. |
| Campbell, E.J. | Ellory, J.C. | Heath, D.A. | Long, R.G. | O'Neill, P.A. |
| Campbell, I.T. | Elwyn, D. | Hence, A. | Lund, P. | Orchard, M.A. |

- Oremek, J.
O'Riordan, J.L.H.
Owen, J.S.
- Packard, C.J.
Padfield, P.L.
Palmer, R.
Parson, D.S.
Patrick, J.M.
Pauwels, R.
Pearson, J.D.
Pepys, M.B.
Peters, T.J.
Petrie, J.C.
Piper, P.
Pollitt, R.J.
Poole-Wilson, P.
Poston, L.
Potts, D.J.
Pounter, L.
Pratt, O.E.
Preisig, R.
Preston, F.E.
Priddle, J.D.
Pusey, C.D.
- Raine, A.E.G.
Rajagopalan, B.
- Rawbone, R.G.
Record, C.O.
Rees, M.R.
Rees, W.D.W.
Rhodes, J.M.
Richards, A.M.
Richardson, P.S.
Richter, R.
Ritter, J.M.
Roberts, V.C.
Robinson, B.F.
Rosenthal, F.D.
Ross, B.D.
Rubin, P.
Russell, G.
Ryle, A.P.
- Safirstein, R.
Sanders, D.
Saunders, K.B.
Schachter, M.
Scott, A.R.
Seckl, J.R.
Selby, P.
Semple, P.F.
Seymour, C.A.
Shah, S.A.A.
Shirley, D.G.
Shore, A.C.
- Siddle, K.
Silk, D.B.A.
Simmonds, H.A.
Simmons, N.L.
Simpson, M.S.
Slaaf, D.W.
Slater, S.D.H.
Small, M.
Smith, I.S.
Smith, M.W.
Smith, S.
Snashall, P.D.
Snell, K.
Snow, H.M.
Solomon, L.
Sönksen, P.H.
Stacey, T.
Stanley, N.N.
Stella, A.
Stevenson, J.
Stradling, J.R.
Struthers, A.D.
Stuart, J.
Stubbs, M.
Sudlow, M.F.
Sullivan, P.A.
Swainson, C.P.
Swales, J.D.
Swift, C.G.
- Syme, G.B.
Symonds, H.W.
- Taylor, G.W.
Taylor, P.M.
Tetley, D.
Thomas, P.
Thomas, T.H.
Thomsen, K.
Thurston, H.
Tomlinson, D.R.
Tonnell, A.-B.
Turnberg, L.A.
Turner, P.
Turner, R.
Tweeddale, P.M.
- Vacca, G.
Vane, J.
Vaughan Williams, E.M.
Venning, M.
- Wallace, W.F.M.
Walters, G.
Walters, S.J.
Wardrop, C.A.J.
Warhurst, G.
Warnes, T.W.
Waterlow, J.C.
- Watson, M.
Watson, R.
Watson, R.D.S.
Watts, D.C.
Watts, R.W.E.
Weiss, J.B.
Westaby, D.
Widdicombe, J.
Wilkins, M.R.
Wilkinson, S.P.
Will, E.J.
Williams, G.B.
Williams, B.C.
Williams, C.
Williams, S.R.
Williams, T.D.M.
Williamson, R.C.N.
Wilson, A.P.
Wilson, R.
Wise, H.
Withington, P.G.
Wood, A.J.
Wood, D.
Wood, J.A.
Woodman, G.
Woods, K.L.
Wootton, S.A.
- Young, A.

Volume 75

SUBJECT INDEX

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

- Absorption, glutamic acid, small intestine 499-502
- Acetate
 glucose tolerance, dietary fibre 355-361
 glucose turnover, gut hormones 363-370
- Acidosis, hypertension 29-34
- Acute-phase protein, peritonitis, renin
 substrate 411-414
- Acute-phase response, systemic sclerosis, interleukin-1
 561-567
- Adenine nucleotides, nutritional status, sepsis 233-242
- Adenine phosphoribosyltransferase deficiency, diagnostic
 test 217-220
- Adenosine 5'-monophosphate, asthma, histamine
 429-436
- Adenosine 5'-triphosphate
 nutritional status, sepsis 233-242
 thick ascending limb of Henle's loop, sodium
 323-330
- Adrenal cortex, triamcinolone acetonide 551-557
- Adrenal function, triamcinolone acetonide 551-557
- Adrenaline
 cardiovascular reflexes, orthostatic tolerance
 389-394
 isoprenaline 285-291
- Adult respiratory distress syndrome, transferrin,
 radioisotopes 47-52
- Age
 factor VII activation, ischaemic heart disease
 341-343
 neck suction, cardiovascular responses 159-165
- Alanine, post-operative catabolism, alanylglutamine
 641-648
- Alanine:glyoxylate aminotransferase, primary
 hyperoxaluria type 1, peroxisomes 315-322
- Alanylglutamine, post-operative catabolism, skeletal
 muscle 641-648
- Alcoholic myopathy, carnitine, fatty acid oxidation
 437-440
- Alcoholism
 prostanoid synthesis 559-560
 skeletal muscle injury, hypercortisolism 445-447
 skeletal muscle myopathy, serum carnosinase
 185-190
- Aldosterone, triamcinolone acetonide 551-557
- Alkaline phosphodiesterase I, cholestasis, α -naphthyl-
 isothiocyanate 13-20
- Alveolar carbon monoxide, smoking,
 carboxyhaemoglobin 371-373
- Amiloride, sodium, leucocytes 179-184, 521-526
- Amino acid infusion, whole-body leucine kinetics, resting
 metabolic rate 225-231
- Amino acid nutrition, dipeptide utilization,
 pharmacokinetics 463-468
- Amino acids, irrigation, leg ulcers 637-640
- Ammonium ion, hypertension 29-34
- Angiotensin II
 glomerular receptors, hypertension 191-196
 sympathetic nervous system, vasoconstriction
 337-340
- Angiotensin-converting enzyme, peritonitis, renin
 substrate 411-414
- Angiotensinogen, peritonitis, renin substrate 411-414
- Antileucoprotease
 elastase, polymorphonuclear leucocytes 53-62
 lavage, α_1 -proteinase inhibitor 351-353
- Antimycin, adenosine 5'-triphosphate, thick ascending
 limb of Henle's loop 323-330
- Aromatic L-amino-acid decarboxylase, dopamine,
 kidney 503-507
- Asthma
 adenosine 5'-monophosphate, histamine 429-436
 N-methyltransferase, guinea-pig and human lung
 5-11
- Atrial natriuretic peptide
 dietary protein, renal function 151-157
 dopamine, domperidone 569-575
 guanosine 3':5'-cyclic monophosphate 489-494
 kallikrein 489-494
 protein load 495-498
 renal function 403-410
 saline load, natriuresis 455-462
 urinary sodium excretion, chronic renal failure
 243-249
 vasopressin, osmolality 35-39
 water intake 171-177
- Atrial systole, normal and diseased heart 1-4*
- Autonomic nervous system, heart rate,
 hyperthyroidism 209-215
- Autonomic neuropathy, insulin, baroreflexes 85-92
- Baroreflexes, insulin, autonomic neuropathy 85-92
- Bendroflumethiazide, calcium metabolism,
 hypertension 543-549
- Bicarbonate
 hypertension 29-34

- protoporphyrin, bile flow 593–599
 ursodeoxycholate, bile flow 593–599
Bile acids, cholestasis, alkaline phosphodiesterase I
 13–20
Bile flow
 protoporphyrin, bicarbonate 593–599
 ursodeoxycholate, bicarbonate 593–599
Blood flow, A- and B-calcitonin-gene-related peptides 309–313
Blood pressure
 age, neck suction 159–165
 calcium metabolism, antihypertensive drugs 543–549
 exercise, opioids 293–300
 isometric exercise, reproducibility 615–619
 mental arithmetic, reproducibility 615–619
 potassium supplementation 527–534
Blood resistivity, limb blood flow, pulsatile impedance method 41–46
Body build, left ventricular hypertrophy, electrocardiography 589–592
Bone density, functional electrical stimulation, paraplegia 481–487
Bronchoalveolar lavage
 elastases 601–607
 proteases 601–607
Bronchoconstriction, adenosine 5'-monophosphate, histamine 429–436
Brown adipose tissue, uncoupling protein, genomic probe 21–27

Calciferol, hypertension, calcium 395–402
Calcitonin-gene-related peptide
 blood flow, vasodilatation 309–313
 myenteric plexus, insulin 629–635
Calcium
 hypertension, renin 395–402
 oscillatory contractions, hypertension 449–453
 platelets, exercise 221–224
Calcium excretion, atrial natriuretic peptide, saline load 455–462
Calcium metabolism
 bendroflumethiazide, hypertension 543–549
 propranolol, hypertension 543–549
 verapamil, hypertension 543–549
Calcium uptake, hypertension, sodium, potassium-dependent adenosine triphosphatase 197–202
Captopril, renin, immunoradiometric assay 669–672
Carbidopa, dopamine, kidney 503–507
Carboxyhaemoglobin, smoking, alveolar carbon monoxide 371–373
Cardiac output, age, neck suction 159–165
Cardiovascular reflexes, orthostatic tolerance, adrenaline 389–394
Carnitine, fatty liver, fatty acid oxidation 437–440
Carotid baroreceptors, neck suction, cardiovascular responses 159–165
Catecholamines
 haemodynamics, forearm extraction rate 469–475
 isometric exercise, reproducibility 615–619
 mental arithmetic, reproducibility 615–619
 morphine 71–77
 natriuresis 515–520
Cell division and proliferation, epidermal growth factor, gastrointestinal epithelium 121–126
Cellobiose/mannitol absorption test, intestinal permeability, coeliac disease 375–378
Cholestasis, alkaline phosphodiesterase, α -naphthylisothiocyanate 13–20
Chronic airflow obstruction, pulmonary deposition, oral high-frequency oscillation 535–542
Chronic renal failure, atrial natriuretic peptide, urinary sodium excretion 243–249
Cilia, secondary dysfunction 113–120*
Cirrhosis
 prostanoid excretion, sodium retention 263–269
 protein requirement, protein turnover 101–107
Clearance
 magnesium, cyclosporin 509–514
 renin, lysine 331–336
Coeliac disease 375–378
Collecting duct, sodium, adenosine 5'-triphosphate 323–330
Continuous ambulatory peritoneal dialysis, peritonitis, renin substrate 411–414
Corticosterone, triamcinolone acetonide 551–557
Cortisol, skeletal muscle injury, alcoholism 445–447
Creatine kinase, muscle, exercise damage 257–261
Creatine phosphate, nutritional status, sepsis 233–242
Crohn's disease, zinc status 277–283
Cyclosporin, hypomagnesaemia 509–514

Diabetes, neuronal properties, insulin 629–635
Diagnostic test, adenine phosphoribosyltransferase deficiency 217–220
Dietary fibre, glucose tolerance, acetate 355–361
Dihydroxyphenylethylene glycol, noradrenaline kinetics, radioisotopes 109–111
Dipeptide utilization, parenteral nutrition, pharmacokinetics 463–468
Domperidone, atrial natriuretic peptide, dopamine 569–575
Dopa
 dopamine, kidney 503–507
 dopamine, natriuresis 515–520
Dopamine
 atrial natriuretic peptide, domperidone 569–575
 dopa, natriuresis 515–520
 kidney, aromatic L-amino-acid decarboxylase 503–507
 renal haemodynamics, metoclopramide 421–428

Elastase
 antileucoprotease 351–353
 bronchoalveolar lavage 601–607
 polymorphonuclear leucocytes, antileucoprotease 53–62
Electrocardiography, left ventricular hypertrophy, body build 589–592

- Electron spin resonance, membrane fluidity, hypertension 477-480
- Emphysema
 elastase, antileucoprotease 53-62
 muscle wasting, protein turnover 415-420
- Endogenous digoxin-like immunoreactivity, umbilical artery and vein 577-579
- Enteroglucagon, gastrointestinal epithelium, resection 121-126
- Enzyme-linked immunosorbent assay, factor VII 341-343
- Epidermal growth factor, gastrointestinal epithelium, resection 121-126
- Erythrocytes
 membrane fluidity, hypertension 477-480
 sodium, potassium-dependent adenosine triphosphatase, salt intake 159-165
- Ethanol, high-density lipoprotein subfractions, lipidaemia 135-142
- ⁵¹Cr-Ethylenediaminetetra-acetate, intestinal permeability, coeliac disease 375-378
- Exercise
 fluid homeostasis, plasma volume 63-70
 haemodynamic and hormonal responses, opioids 293-300
 heart rate, hyperthyroidism 209-215
 platelets, calcium 221-224
- Exercise damage, muscle, creatine kinase 257-261
- Factor VII, age, ischaemic heart disease 341-343
- Fatty acid oxidation, fatty liver, carnitine 437-440
- Fatty acid spin-label, membrane fluidity, hypertension 477-480
- Fatty liver, carnitine, fatty acid oxidation 437-440
- Fermentation, dietary fibre, glucose tolerance 355-361
- First-pass oxidation, nutritional efficiency, 2-ketoisocaproate 301-307
- Fluid homeostasis, exercise, plasma volume 63-70
- Fluoride, osteoporosis, parathyroid hormone 143-146
- Foot, vasoconstriction, posture 379-387
- Forearm blood flow, insulin, autonomic neuropathy 85-92
- Forearm extraction rate, noradrenaline 469-475
- Free fatty acids, antihypertensive drugs, calcium metabolism 543-549
- Furosemide, renin, immunoradiometric assay 669-672
- Functional electrical stimulation, bone density, paraplegia 481-487
- Gallbladder, sodium transport, indomethacin 147-149
- Gastrointestinal epithelium, epidermal growth factor, resection 121-126
- Gastrointestinal mobility, somatostatin 345-350
- Genomic probe, uncoupling protein, brown adipose tissue 21-27
- Glomerular filtration rate
 atrial natriuretic peptide, protein load 495-498
 nephrectomy 655-659
 potassium deficiency 621-628
- Glomerular receptors, angiotensin II, hypertension 191-196
- Glucocorticoids, metabolism of glucose and glutamine, small intestine 93-100
- Glucose, isoprenaline 285-291
- Glucose metabolism, small intestine, glucocorticoids 93-100
- Glucose tolerance, dietary fibre, acetate 355-361
- Glucose turnover, acetate, gut hormones 363-370
- Glutamate metabolism, small intestine, glucocorticoids 93-100
- Glutamic acid, metabolism, small intestine 499-502
- Glutamine
 dipeptide utilization, parenteral nutrition 463-468
 post-operative catabolism, alanylglutamine 641-648
- Glycolysis, thick ascending limb of Henle's loop, adenosine 5'-triphosphate 323-330
- Guanosine 3':5'-cyclic monophosphate, atrial natriuretic peptide 489-494
- Gut hormones, acetate, glucose turnover 363-370
- Haemodynamics, noradrenaline 469-475
- Heart, atrial systole 1-4*
- Heart rate
 autonomic nervous system, hyperthyroidism 209-215
 exercise, opioids 293-300
 isometric exercise, reproducibility 615-619
 isoprenaline 285-291
 mental arithmetic, reproducibility 615-619
- Hibernoma, uncoupling protein, genomic probe 21-27
- High-density lipoprotein subfractions 2 and 3, lipidaemia, ethanol 135-142
- Histamine, asthma, adenosine 5'-monophosphate 429-436
- Hormones, exercise, opioids 293-300
- 5-Hydroxytryptamine, kidney, aromatic L-amino-acid decarboxylase 503-507
- 5-Hydroxytryptophan, kidney, 5-hydroxytryptamine 503-507
- Hyperchloresis
 protoporphyrin, bicarbonate 593-599
 ursodeoxycholate, bicarbonate 593-599
- Hypercortisolism, skeletal muscle injury, alcoholism 445-447
- Hyperglycaemia, morphine 71-77
- Hypertension 527-534
 acid-base balance 29-34
 bendroflumethiazide, calcium metabolism 543-549
 calcium and magnesium metabolism, renin 395-402
 glomerular receptors, angiotensin II 191-196
 intestinal ion transport, ion balance 127-133
 isometric exercise, reproducibility 615-619
 kallikrein, potassium supplementation 527-534
 leucocytes, sodium 521-526
 magnesium, monocrotaline 661-667
 membrane fluidity, electron spin resonance 477-480
 mental arithmetic, reproducibility 615-619
 morphine 71-77
 nifedipine, renal sodium handling 609-613

- oscillatory contractions, vasopressin 449–453
 propranolol, calcium metabolism 543–549
 sodium, potassium-dependent adenosine triphosphatase, noradrenaline 197–202
 verapamil, calcium metabolism 543–549
 Hyperthyroidism, autonomic nervous system, heart rate 209–215
 Hypocalciuria, *cis*-platinum 203–207
 Hypomagnesaemia
 cyclosporin 509–514
cis-platinum 203–207
 Hyponatraemia, quadriplegia, vasopressin 441–444
 Hypo-osmolality, quadriplegia, vasopressin 441–444
 Hypoproteinaemia, natriuresis, renal haemodynamics 271–276
 Hypotension, interleukin-1, tumour necrosis factor 251–255
- Idiopathic hypercalciuria, prostaglandins, urolithiasis 581–587
 Immobilization, muscle protein synthesis, scoliosis 79–83
 Immunoradiometric assay, renin, monoclonal antibody 669–672
 Indomethacin, sodium transport, gallbladder 147–149
 Inflammation, renin substrate, acute-phase protein 411–414
 Inflammatory bowel disease, zinc status 277–283
 Insulin
 baroreflexes, forearm blood flow 85–92
 isoprenaline 285–291
 neuronal properties, diabetes 629–635
 Interleukin-1
 hypotension, septic shock 251–255
 macrophage, systemic sclerosis 561–567
 Intestinal absorption, somatostatin 345–350
 Intestinal permeability, cellobiose/mannitol absorption test, ⁵¹Cr-ethylenediaminetetra-acetate 375–378
 Intestine, ion transport, hypertension 127–133
 Intra-arterial blood pressure, noradrenaline 469–475
 Ion transport and balance, intestine, hypertension 127–133
 Irrigation, amino acids, leg ulcers 637–640
 Ischaemic heart disease, factor VII, age 341–343
 Isometric exercise
 catecholamines, reproducibility 615–619
 haemodynamic responses, reproducibility 615–619
 Isoprenaline, cardiovascular and metabolic responses 285–291
- Kaliuresis
 atrial natriuretic peptide, protein load 495–498
 atrial natriuretic peptide, saline load 455–462
 Kallikrein
 atrial natriuretic peptide 489–494
 potassium supplementation, hypertension 527–534
 2-Ketoisocaproate, first-pass oxidation, nutritional efficiency 301–307
 6-Ketoprostaglandin F_{1α}, potassium supplementation, hypertension 527–534
- Kidney
 dopamine 503–507
 renin, ultrafiltration 331–336
 Kidney medulla, potassium deficiency 621–628
 Kidney tubules, potassium deficiency 621–628
- Laser Doppler flowmetry, skin blood flow, posture 379–387
 Lavage, antileucoprotease, α₁-proteinase inhibitor 351–353
 Lecithin:cholesterol acyltransferase, lipidaemia, ethanol 135–142
 Left ventricular hypertrophy, body build, electrocardiography 589–592
 Leg ulcers, irrigation, amino acids 637–640
 Leucine, protein synthesis, 2-ketoisocaproate 301–307
 Leucine kinetics, functional electrical stimulation, paraplegia 481–487
 Leucocytes
 sodium, hypertension 521–526
 sodium influx, amiloride 179–184
 sodium transport, umbilical artery and vein 577–579
 Lithium clearance
 atrial natriuretic peptide 403–410
 dietary protein, atrial natriuretic peptide 151–157
 nephrectomy 655–659
 nifedipine, hypertension 609–613
 Liver
 cirrhosis, protein turnover 101–107
 subcellular fractionation, primary hyperoxaluria type 1 315–322
 Lung
 aerosol deposition, oral high-frequency oscillation 535–542
 transferrin, adult respiratory distress syndrome 47–52
 Lysine, renin, ultrafiltration 331–336
- Macrophages, interleukin-1, systemic sclerosis 561–567
 Magnesium
 antihypertensive drugs, calcium metabolism 543–549
 hypertension, renin 395–402
 pulmonary artery hypertension, monocrotaline 661–667
 Magnesium-calcium interactions, pulmonary artery hypertension, monocrotaline 661–667
 Magnesium clearance, cyclosporin 509–514
 Membrane fluidity
 erythrocytes 477–480
 vascular smooth muscle cells 477–480
 Mental arithmetic
 catecholamines, reproducibility 615–619
 haemodynamic responses, reproducibility 615–619
 Mesenteric arteries, oscillatory contractions, hypertension 449–453

- Metabolic rate
 acetate, glucose turnover 363-370
 isoprenaline 285-291
- Metabolism, nitrogen, small intestine 499-502
- N*-Methyltransferase, asthma, guinea-pig and human lung 5-11
- Metoclopramide, renal haemodynamics, dopamine 421-428
- Micropuncture, renal tubular function, potassium deficiency 621-628
- Microvessel packed cell volume, limb blood flow, pulsatile impedance method 41-46
- Monocrotaline, pulmonary artery hypertension, magnesium 661-667
- Monocytes, interleukin-1, systemic sclerosis 561-567
- Monosaccharides, intestinal absorption, somatostatin 345-350
- Morphine, hypertension, catecholamines 71-77
- Muscle, exercise damage, creatine kinase 257-261
- Muscle, skeletal, protein synthesis, scoliosis 79-83
- Muscle protein synthetic rate, functional electrical stimulation, paraplegia 481-487
- Muscle wasting, emphysema, protein turnover 415-420
- Myeloperoxidase, antileucoprotease, emphysema 53-62
- Myenteric plexus
 calcitonin-gene-related peptide, insulin 629-635
 vasoactive intestinal polypeptide, insulin 629-635
- Naloxone, exercise, haemodynamics 293-300
- α -Naphthylisothiocyanate, cholestasis, alkaline phosphodiesterase I 13-20
- Natriuresis
 atrial natriuretic peptide, protein load 495-498
 atrial natriuretic peptide, saline load 455-462
 dopamine 515-520
 dopamine, metoclopramide 421-428
 guanosine 3':5'-cyclic monophosphate, atrial natriuretic peptide 489-494
 hypoproteinaemia, nephrotic syndrome 271-276
 kallikrein, atrial natriuretic peptide 489-494
- Nebulized aerosols, pulmonary deposition, oral high-frequency oscillation 535-542
- Neck suction, cardiovascular responses, age 159-165
- Nephrectomy, renal function 655-659
- Nephrotic syndrome, hypoproteinaemia, natriuresis 271-276
- Neurofilaments, phosphorylation, insulin 629-635
- Neuropathy, neuronal properties, insulin 629-635
- Nifedipine
 lithium clearance, hypertension 609-613
 renal sodium reabsorption, hypertension 609-613
- Nitrogen, metabolism, small intestine 499-502
- Non-specific *N*-methyltransferase, asthma, guinea-pig and human lung 5-11
- Noradrenaline
 forearm extraction rate 469-475
 haemodynamics 469-475
 hypertension, vascular reactivity 197-202
- Noradrenaline kinetics, dihydroxyphenylethylene glycol, radioisotopes 109-111
- Noradrenaline *N*-methyltransferase, asthma, guinea-pig and human lung 5-11
- Nutritional efficiency, first-pass oxidation, 2-keto-isocaproate 301-307
- Nutritional status, adenosine 5'-triphosphate, creatine phosphate 233-242
- Obesity, left ventricular hypertrophy, electrocardiography 589-592
- Opioids, exercise, haemodynamics 293-300
- Oral high-frequency oscillation, pulmonary deposition, chronic airflow obstruction 535-542
- Orthostatic tolerance, cardiovascular reflexes, adrenaline 389-394
- Oscillatory contractions, vasopressin, hypertension 449-453
- Osmolality, vasopressin, atrial natriuretic peptide 35-39
- Osteoporosis, fluoride, parathyroid hormone 143-146
- Ouabain, hypertension, vascular reactivity 197-202
- Paraplegia, functional electrical stimulation, bone density 481-487
- Parathyroid hormone
 antihypertensive drugs, calcium metabolism 543-549
 hypertension, calcium 395-402
 osteoporosis, fluoride 143-146
- Parenteral nutrition, dipeptide utilization, pharmacokinetics 463-468
- Pepsinogen A, renal handling 649-654
- Pepsinogen C, renal handling 649-654
- Peritonitis, renin substrate, continuous ambulatory peritoneal dialysis 411-414
- Peroxisomes, alanine:glyoxylate aminotransferase, primary hyperoxaluria type 1 315-322
- Phaeochromocytoma, uncoupling protein, genomic probe 21-27
- Pharmacokinetics, dipeptide utilization, parenteral nutrition 463-468
- Phosphate, antihypertensive drugs, calcium metabolism 543-549
- Phosphorylation, neurofilaments, insulin 629-635
- Plasma renin concentration
 captopril 669-672
 frusemide 669-672
- Plasma volume, exercise, fluid homeostasis 63-70
- Platelets, calcium, exercise 221-224
- cis*-Platinum, hypocalciuria, hypomagnesaemia 203-207
- Polymorphonuclear leucocytes, elastase, antileucoprotease 53-62
- Post-operative catabolism, skeletal muscle, alanylglutamine 641-648
- Posture
 limb blood flow, pulsatile impedance method 41-46
 vasoconstriction, foot 379-387
- Potassium deficiency, renal tubular function 621-628

- Potassium supplementation, kallikrein, hypertension 527-534
- Primary hyperoxaluria type 1, alanine:glyoxylate aminotransferase, peroxisomes 315-322
- Propranolol, calcium metabolism, hypertension 543-549
- Prostacyclin
 alcoholism 559-560
 sodium retention, cirrhosis 263-269
- Prostaglandin E, alcoholism 559-560
- Prostaglandin E₂, sodium retention, cirrhosis 263-269
- Prostaglandin F₂, sodium retention, cirrhosis 263-269
- Prostaglandins, idiopathic hypercalciuria, urolithiasis 581-587
- Proteases, bronchoalveolar lavage 601-607
- Protein, atrial natriuretic peptide, renal function 151-157
- Protein load, atrial natriuretic peptide 495-498
- Protein requirement, cirrhosis 101-107
- Protein synthesis
 leucine, 2-ketoisocaproate 301-307
 skeletal muscle, scoliosis 79-83
- Protein turnover
 cirrhosis 101-107
 muscle wasting, emphysema 415-420
- α_1 -Proteinase inhibitor, lavage, antileucoprotease 351-353
- Proteinuria, nephrectomy 655-659
- Protoporphyrin
 bicarbonate, ursodeoxycholate 593-599
 bile flow, ursodeoxycholate 593-599
- Pulmonary artery hypertension, magnesium, monocrotaline 661-667
- Pulmonary deposition, oral high-frequency oscillation, chronic airflow obstruction 535-542
- Pulsatile impedance method, limb blood flow, exercise 41-46
- Quadriplegia, hyponatraemia, vasopressin 441-444
- Reflectance plethysmography, blood flow, A- and B-calcitonin-gene-related peptides 309-313
- Renal clearance, pepsinogens A and C 649-654
- Renal haemodynamics
 dopamine, metoclopramide 421-428
 hypoproteinaemia, sodium loading 271-276
- Renin
 captopril 669-672
 frusemide 669-672
 hypertension, calcium 395-402
 ultrafiltration, lysine 331-336
- Renin-angiotensin-aldosterone system, atrial natriuretic peptide, saline load 455-462
- Renin substrate, peritonitis, continuous ambulatory peritoneal dialysis 411-414
- Resection, epidermal growth factor, gastrointestinal epithelium 121-126
- Resting metabolic rate, amino acid infusion 225-231
- Right ventricular hypertrophy, magnesium, monocrotaline 661-667
- Saline load
 atrial natriuretic peptide, natriuresis 455-462
 guanosine 3':5'-cyclic monophosphate, atrial natriuretic peptide 489-494
 kallikrein, atrial natriuretic peptide 489-494
- Salt intake, sodium, potassium-dependent adenosine triphosphatase, erythrocyte 159-165
- Scoliosis, muscle protein synthesis, immobilization 79-83
- Secondary ciliary dysfunction 113-120*
- Sepsis, adenosine 5'-triphosphate, creatine phosphate 233-242
- Septic shock, interleukin-1, tumour necrosis factor 251-255
- Serum carnosinase, skeletal muscle myopathy, alcoholism 185-190
- Shear rate, limb blood flow, pulsatile impedance method 41-46
- Short circuit current, ion transport, hypertension 127-133
- Skeletal muscle
 adenosine 5'-triphosphate, creatine phosphate 233-242
- Skeletal muscle injury, hypercortisolism, alcoholism 445-447
- Skeletal muscle myopathy, alcoholism, serum carnosinase 185-190
- Skin blood flow, posture, foot 379-387
- Small intestine
 metabolism of glucose and glutamate, glucocorticoids 93-100
 metabolism, nitrogen 499-502
- Smoking, carboxyhaemoglobin, ventilation/perfusion 371-377
- Sodium
 adenosine 5'-triphosphate, thick ascending limb of Henle's loop 323-330
 leucocytes, hypertension 521-526
- Sodium excretion
 atrial natriuretic peptide 403-410
 atrial natriuretic peptide, chronic renal failure 243-249
 dietary protein, atrial natriuretic peptide 151-157
- Sodium influx, leucocytes, amiloride 179-184
- Sodium loading, hypoproteinaemia 271-276
- Sodium, potassium-dependent adenosine triphosphatase
 hypertension, calcium uptake 197-202
 salt intake, erythrocyte 159-165
- Sodium-proton antiport, leucocytes, amiloride 179-184
- Sodium reabsorption, nifedipine, hypertension 609-613
- Sodium retention, cirrhosis, prostanoid excretion 263-269
- Sodium transport
 indomethacin, gallbladder 147-149
 umbilical artery and vein, leucocyte 577-579
- Sodium transport inhibitor, umbilical artery and vein 577-579

- Somatostatin, gastrointestinal mobility, intestinal absorption 345–350
- Spinal cord injury, hyponatraemia, vasopressin 441–444
- Steady-state reciprocal pool model, whole-body leucine kinetics 225–231
- Strain gauge plethysmography, limb blood flow, exercise 41–46
- Sulphamyl diuretics, sodium, leucocytes 521–526
- Sympathetic nervous system
dopamine, natriuresis 515–520
noradrenaline 469–475
vasoconstriction, angiotensin II 337–340
- Systemic sclerosis, interleukin-1, macrophage 561–567
- Thick ascending limb of Henle's loop, sodium, adenosine 5'-triphosphate 323–330
- Thromboxane A₂
alcoholism 559–560
sodium retention, cirrhosis 263–269
- Titratable acid, hypertension 29–34
- Total body potassium, functional electrical stimulation, paraplegia 481–487
- Total parenteral nutrition, gastrointestinal epithelium, epidermal growth factor 121–126
- Transferrin, adult respiratory distress syndrome, radioisotopes 47–52
- Tremor, isoprenaline 285–291
- Triamcinolone acetoneide
aldosterone 551–557
corticosterone 551–557
- Triglycerides, intestinal absorption, somatostatin 345–350
- Tubular handling, pepsinogens A and C 649–654
- Tumour necrosis factor, hypotension, septic shock 251–255
- Tyrosine, dipeptide utilization, parenteral nutrition 463–468
- Ulcerative colitis, zinc status 277–283
- Ultrafiltration, renin, lysine 331–336
- Umbilical artery, endogenous digoxin-like immunoreactivity, sodium transport 577–579
- Uncoupling protein, genomic probe, brown adipose tissue 21–27
- Urinary pH, hypertension 29–34
- Urogastrone, gastrointestinal epithelium, resection 121–126
- Urolithiasis, idiopathic hypercalciuria, prostaglandins 581–587
- Ursodeoxycholate
bicarbonate, protoporphyrin 593–599
bile flow, protoporphyrin 593–599
- Vascular smooth muscle cells, membrane fluidity, hypertension 477–480
- Vasoactive intestinal polypeptide, myenteric plexus, insulin 629–635
- Vasoconstriction
angiotensin II, sympathetic nervous system 337–340
posture, foot 379–387
- Vasodilatation, A- and B-calcitonin-gene-related peptides 309–313
- Vasopressin
atrial natriuretic peptide, osmolality 35–39
oscillatory contractions, hypertension 449–453
quadriplegia, hyponatraemia 441–444
- Veins, angiotensin II, sympathetic nervous system 337–340
- Verapamil, calcium metabolism, hypertension 543–549
- Water intake, atrial natriuretic peptide 171–177
- Whole-body leucine kinetics, amino acid infusion, steady-state reciprocal pool model 225–231
- Whole-body protein turnover, cirrhosis 101–107
- Zinc status, inflammatory bowel disease 277–283