AUTHOR INDEX

Abdel-Halim, S.M. 301-306
Abe, Y. 581-585
Adams, L. 453-461
Aderka, D. 365-369
Akaoka, I. 203-210
Albert, A. 149-157
Alexander, G.J.M. 263-268
Alexander, S.L. 4-7
Anderson, S.E. 235-242
Andersson, K. 479-484
Appleyard, C.B. 713-717
Arrhenius-Nyberg, V. 285-292
Backer, A. 39-45
Baker, F.E. 405-412
Balbi, A. 331-336
Ballmer, P.E. 235-242
Barlet-Bas, C. 293-299
Barnes, P.J. 135-139
Beasley, R. 14-17
Bee, D. 325-330
Belcher, P.A. 665-670
Benedict, G. 453-461
Bencetrit, G. 453-461
Berenson, C.S. 269-275
Benard, D.C. 173-178
Benbow, S.J. 191-196
Benchetrit, G. 453-461
Bernard, D.C. 173-178
Berglund, H. 165-172
Bernaert, L. 103-109, 733
Bernheim, J. 623-627
Besler, H.T. 59-66
Bévrada, S. 439-446
Bevilacqua, M. 331-336
Bevington, A. 405-412
Bhatnagar, D. 311-318
Bianchini, B. 103-109, 733
Biemond, B.J. 587-594
Biggs, T. 179-184
Bing, R.F. 307-310
Blundis, L. 525-531
Blumsohn, A. 243-244
Bodmer, C.W. 421-426
Boer, P. 351-358
Boer, W.H. 351-358
Bomzon, A. 525-531
Boomsma, F. 675-679
Borch-Johnsen, K. 629-633
Borzi, R.M. 371
Bos, H. 607-610
Boulton, R.A. 119-130
Bradley, T.D. 173-178
Broom, J. 235-242
Brough, D. 405-412
Brouwer, A. 211-217
Brown, M.J. 571-580
Brunner, H.G. 533-542
Brunner, H.R. 607-610
Bryson, P. 595
Büller, H.R. 587-594
Bülow, J. 543-550
Burgess, C. 14-17
Burnier, M. 607-610
Burrell, L.M. 671-674
Cargill, R.I. 81-86
Carlens, P. 439-446
Carney, S.L. 197-201
Cerutti, C. 651-655
Chambers, S.T. 25-27
Chang, C.J. 701-706
Cheng, P.E. 701-706
Cheval, L. 293-299
Chinery, R. 401-403
Chou, L. 657-663
Chow, N.H. 701-706
Chowienczyk, P.J. 111-117
Clarkson, P.B.M. 159-164
Cockroft, J.R. 111-117
Cohen, E. 453-461
Connell, J.M.C. 563-570
Connor, J.M. 665-670
Constant, I. 95-102
Cooper, G.J.S. 7-12
Cortova, Z. 285-292
Coutie, W. 159-164
Crane, J. 14-17
Crofton, R.J. 727-732
Crotty, B. 51-57
Cuisinard, G. 651-655
Cummings, M.H. 225-233
Cundy, T.F. 12-14
Curry, G. 727-732
D’Inca, R. 727-732
Dallegri, F. 331-336
Dapino, P. 331-336
Davies, D.L. 665-670
De Bono, D.P. 635-641
De Hoyos, A. 173-178
De Leeuw, P.W. 421-426
De Quay, N. 607-610
De Roos, R. 351-358
Delacrétaz, E. 607-610
Deng, L.-Y. 611-622
Derks, F.H.M. 675-679
Diaz, M. 345-350
Donald, R.A. 4-7
Dotan, I. 365-369
Doucet, A. 293-299
Drossos, G.E. 269-275
Duchê, M. 651-655
Durrington, P.N. 311-318
Dyebberg, J. 375-392
Eastell, R. 243-244
Eberhard, M. 557-562
Ebhabha, I. 29-37
Edlund, A. 165-172
Eisenhofer, G. 533-542
El-Sayed, H. 463-470
Elghozi, J.L. 87-93, 95-102
Elia, M. 319-324
Ellis, M.J. 4-7
Emery, C.J. 325-330
Erne, P. 557-562
Ertl, R.F. 337-344
Espiner, E.A. 4-7, 18-21
Evans, M.J. 4-7
Fabbri, M. 371
Facchini, A. 371
Fasano, L. 371
Fauvel, J.P. 651-655
Fayre, H. 293-299
Feldt-Rasmussen, B. 629-633
Fell, G.S. 727-732
Féral, E. 293-299
Fisher, J.T. 345-350
Fotherby, M.D. 185-190
Foy, C.J.W. 665-670
Fransen, R. 351–358
Fraser, R. 563–570, 655–670
Friberg, P. 533–542
Friberg, P.S. 191–196
Fukui, M. 29–37
Gaffney, D. 727–732
Gallacher, B. 141–147
Game, F.L. 311–318
Garlick, P.J. 235–242
Gibbons, L. 211–217
Gillies, A.H.B. 197–201
Girard, A. 95–102
Goldberg, G.R. 319–324
Goldstein, D.S. 533–542
Goode, H.F. 131–133
Goto, A. 413–419
Gourdie, R.G. 257–262
Graves, J.E. 519–524
Green, J. 623–627
Grigolo, B. 371
Grimble, R.F. 59–66, 485–489
Grimble, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Grimm, R.F. 59–66, 485–489
Groves, R.M. 371
Hainsworth, R. 463–470
Haller, R.G. 681–686
Hamada, M. 551–556
Hanson, P. 643–649
Harcombe, A.A. 263–268
Harrap, S.B. 665–670
Hatori, M. 581–585
Hattersley, J. 405–412
Hayakawa, H. 413–419
Haynes, W.G. 509–517
Hendriks, H.J.F. 211–217
Hennessy, T.R. 225–233
Henriksson, K.-G. 687–693
Hillier, K. 713–717
Hirata, Y. 413–419
Hiwada, K. 551–556
Hjelm, M. 135–139
Hjemdahl, P. 439–446
Hodgson, H.J.F. 119–130
Holmer, G. 375–392
Horan, M.A. 211–217
Houston, R.F. 359–364
Howard, P. 325–330
Howdle, P.D. 131–133
Huang, C.-M. 701–706
Hultman, E. 479–484
Hunter, K.A. 235–242
Hutchins, A.-M. 671–674
Inglis, G.C. 563–570
James, M.A. 185–190
Jamieson, A. 563–570
Janssen, M. 421–426
Jebb, S.A. 319–324
Jennings, G. 319–324
Jensen, G. 629–633
Jensen, J.S. 629–633
Jewell, D.P. 51–57
Jia, H. 571–580
Johnston, C.I. 671–674
Johnston, D.G. 67–71
Joles, J.A. 719–725
Jorfeldt, L. 687–693
Kangawa, K. 413–419
Karlsson, E. 285–292
Keller, U. 681–686
Kennedy, D.G. 73–79, 471–477
Kennedy, S. 73–79, 471–477
Kharitonov, S.A. 135–139
Kilby, M.D. 311–318
Kimura, K. 413–419
Koide, H. 571–580
Koodouns, H.A. 351–358, 719–725
Koskinas, J. 263–268
Koyama, S. 337–344
Kramer, H.J. 39–45
Kumpatula, P. 311–318
La Rovere, M.T. 103–109, 733
Laager, R. 681–686
Lahtela, J.T. 427–432
Lance, P. 491–499
Langley-Evans, S.C. 485–489
Larsson, K. 439–446
Lau, D. 95–102
Lau, E.A. 325–330
Lavelle, M. 651–655
Le Bidois, J. 95–102
Leilauf, G. 337–344
Lenders, J.W.M. 533–542
Leuzzi, S. 103–109, 733
Lever, A.F. 665–670
Levi, M. 587–594
Levo, Y. 365–369
Lewis, S.F. 687–693
Li, J.-S. 611–622
Lin, J.S.-N. 701–706
Lindley, K.J. 219–224
Lipworth, B.J. 81–86
Liu, P.P. 173–178
Livesey, J.H. 4–7
Lodwick, D. 665–670
Logan, A. 525–531
London, G.M. 87–93
Lubec, B. 135–139
Lubec, G. 135–139
Lyon, T.D.B. 727–732
MacDonald, T.M. 159–164
MacFarlane, I.A. 191–196
MacGregor, D. 671–674
Macleod, C. 159–164
Maestri, R. 103–109, 733
Mahy, I.R. 501–508
Malmlof, K. 285–292
Mamet, R. 365–369
Man int't Veld, A.J. 675–679
Marc, I. 707–712
Marsy, S. 293–299
Martin, I.K. 301–306
Martin, V. 149–157
Marumoto, K. 551–556
Masood, A.R. 447–452
Matsuo, H. 413–419
Mauric, A. 635–641
McGaw, B.A. 727–732
McInnes, G.T. 433–437
McKeever, M. 73–79, 471–477
McNurlan, M.A. 235–242
Meliconi, R. 371
Menys, V.C. 269–275
Milla, P.J. 219–224
Milla, E.A. 433–437
Millard, D.J. 597–606
Minoda, S. 203–210
Miqadji, J.A. 491–499
Miyashita, H. 203–210
Molloy, A. 73–79, 471–477
Monteith, S. 571–580
Morrell, N.W. 179–184
Mortara, A. 103–109, 733
Mortola, J.P. 345–350
Muller, D.P.R. 219–224
Murphy, D.L. 533–542
Murphy, K. 453–461
Mustonen, J. 427–432
Muzulu, S.I. 307–310
Najem, R. 651–655
Nakamura, T. 29–37
Naoumova, R. 225–233
Neary, R.H. 311–318
Ng, L.L. 695–700
Nicholls, M.G. 18–21
Nijran, K.S. 179–184
Ninnis, R. 681–686
Noble, M.I.M. 269–275
Noble, M.I.M. 301–306
Norman, R.I. 307–310
O'Brien, P.M.S. 311–318
Ogata, N. 203–210
Oh, V.M.S. 695–700
Oms, E. 32–33
Ostenson, C.-G. 301–306
Ottonello, L. 331–336
Ovesen, L. 375–392
Pacak, K. 533–542
Pacini, G. 533–542
Pacy, P.J. 597–606
Pal, C. 225–233
Pannier, B.M. 87–93
Park, R.H.R. 727–732
Parker, S.G. 211–217
Pasternack, A. 427–432
Patriarca, M. 727–732
Patterson, M.A. 491–499
Paul, C.Z. 87–93
Pearce, N. 14–17
Pena, F. 345–350
Petersson, P.B. 1–2
Petersson, B. 479–484
Phillips, P.A. 671–674
Pillai, R. 269–275
Pinna, G. 103–109, 733
Playford, R.J. 401–403
Podjarny, E. 623–627
Podjarny, E. 623–627
Poston, L. 245–255, 519–524
Potter, J.F. 185–190
Pozet, N. 651–655
Pryce, D.W. 191–196
Quinn-Baker, A. 141–147
Quyyumi, A.A. 533–542
Ramsay, L. 263–268
Rathaus, M. 623–627
Reed, J.W. 447–452
Reid, I.A. 657–663
Reid, I.R. 12–14
Rennard, S.I. 337–344
Reynolds, T.M. 243
Rezzonico, R. 345–350
Richards, A.M. 3, 18–21
Richardson, P.J. 263–268
Risvanis, J. 671–674
Ritter, J.M. 111–117
Robbins, R. 337–344
Roberts, N.B. 47–50
Rolfe, P. 359–364
Rousselet, M. 293–299
Ruban, E. 359–364
Rueckert, P.A. 643–649
Russell, G.I. 359–364
Russell, R.I. 727–732
Rutherford, O.M. 67–71
Ryge, C. 543–550
Sacra, P. 47–50
Sahlin, K. 687–693
Sakurai, M. 581–585
Salter, A.M. 373–374
Samani, N.J. 269–275
Sandström, B. 375–392
Saxerholt, H. 285–292
Schaad, N.C. 607–610
Schalekamp, M.A.D.H. 657–679
Schaper, N.C. 421–426
Schiffrin, E.L. 277–283
Scott, J.M. 73–79, 471–477
Scott, J.M. 73–79, 471–477
Scott, J.M. 73–79, 471–477
Seed, W.A. 179–184
Sekino, N. 203–210
Seriès, F. 707–712
Shibahara, S. 581–585
Shoji, S. 337–344
Simonsen, L. 543–550
Skottner, A. 285–292
Sleigh, P. 103–109, 733
Slutsker, L. 563–570
Sönksen, P.H. 225–233
Stauff, H.M. 1–2
Stender, S. 375–392
Struthers, A.D. 81–86
Sturniolo, G.S. 727–732
Subhan, M.M.F. 447–452
Suzuki, E. 413–419
Suzuki, H. 581–585
Suzuki, Y. 413–419
Sztern, M. 365–369
Tachibana, Y. 203–210
Takahashi, K. 581–585
Takahashi, T. 29–37
Tappia, P.S. 485–489
Tavazzi, L. 103–109, 733
Taylor, E.A. 695–700
Taylor, P.D. 245–255, 519–524
Taylor, W.H. 47–50
Ten Cate, H. 587–594
Ten Cate, J.W. 587–594
Theodorsson, E. 165–172
Thomas, S.H.L. 447–452
Thomson, N.C. 433–437
Thorncroft, M.S. 359–364
Tomino, Y. 29–37
Tooke, J.E. 501–508
Touyz, R.M. 277–283
Travis, S.P.L. 51–57
Trippenbach, T. 345–350
Troughton, K.L. 485–489
Tsigos, C. 533–542
Tzai, T.-S. 701–706
Umpleby, M. 225–233
Vallin, H. 165–172
Van den Meiracker, A.H. 675–679
Van der Poll, T. 587–594
Van der Schaaf, M.R. 719–725
Van Tol, A. 719–725
Vaughan, D.L. 359–364
Vial, Y. 607–610
Villain, E. 95–102
Villena-Cabrera, N. 345–350
Von Essen, S. 337–344
Vaeber, B. 607–610
Walker, B.E. 131–133
Wallberg-Henriksson, H. 301–306
Walls, J. 405–412
Wang, L. 557–562
Watkins, Y. 67–71
Watt, G.C.M. 665–670
Watts, G.F. 225–233
Webb, G.D. 695–700
Webster, N.R. 131–133
Weir, D.G. 73–79, 471–477
Weise, F. 87–93
### Subject Index

<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weissberg, P.L.</td>
<td>263–268</td>
</tr>
<tr>
<td>Wernerman, J.</td>
<td>479–484</td>
</tr>
<tr>
<td>Westaby, S.</td>
<td>269–275</td>
</tr>
<tr>
<td>Wheeldon, N.M.</td>
<td>159–164</td>
</tr>
<tr>
<td>White, H.D.</td>
<td>21–24</td>
</tr>
<tr>
<td>White, P.C.</td>
<td>563–570</td>
</tr>
<tr>
<td>Why, H.J.F.</td>
<td>263–268</td>
</tr>
<tr>
<td>Wickramasinghe, Y.A.B.D.</td>
<td>359–364</td>
</tr>
<tr>
<td>Wiesel, M.-L.</td>
<td>149–157</td>
</tr>
<tr>
<td>Williams, B.</td>
<td>141–147</td>
</tr>
<tr>
<td>Williams, G.</td>
<td>191–196, 421–426</td>
</tr>
<tr>
<td>Wilmshurst, P.</td>
<td>595</td>
</tr>
<tr>
<td>Wong, F.</td>
<td>525–531</td>
</tr>
<tr>
<td>Y.A.B.D.</td>
<td>359–364</td>
</tr>
<tr>
<td>Yeo, S.-B.</td>
<td>695–700</td>
</tr>
<tr>
<td>Young, P.</td>
<td>471–477</td>
</tr>
<tr>
<td>Young, P.B.</td>
<td>73–79</td>
</tr>
<tr>
<td>Zierath, J.R.</td>
<td>301–306</td>
</tr>
</tbody>
</table>

**Volume 88**

**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**
  - jejum, polyunsaturated fat 219–224
- **Acetaldehyde adducts**
  - immunoblotting, alcoholic heart muscle disease 263–268
- **Acetylcholine**
  - resistance artery, diabetes 519–524
- **Acute gastric erosions**
  - cat, human pepsins 47–50
- **Acute myocardial ischaemia**
  - natriuretic peptides, exercise 551–556
- **Acute renal failure**
  - bile duct ligation, glomerular thromboxane A₂ synthesis 39–45
  - S-Adenosylcysteine
    - brain, vitamin B₁₂ 471–477
- **S-Adenosylhomocysteine**
  - methylation ratio, brain 73–79
- **S-Adenosylmethionine**
  - brain, vitamin B₁₂ 471–477
  - methylation ratio, brain 73–79
- **Adrenal glands**
  - metadrenaline 533–542
  - Adrenalectomy
    - metadrenaline 533–542
- **Adrenaline**
  - bronchoconstriction 439–446
  - platelet aggregation, cardiopulmonary bypass 269–275
  - α₂-Adrenoceptors
    - vascular reactivity, diabetic nephropathy 421–426
  - β-Adrenoceptors
    - G-protein α- and β-subunits, atrium 571–580
  - Adrenocorticotropic hormone regulation of secretion 4–7
  - Ageing
    - Kupffer cells, endotoxin 211–217
  - β-Agonists
    - angiotensin-converting enzyme 433–437
    - 'New Zealand asthma mortality epidemic' 14–17
  - Airway epithelial cells
    - neutrophil chemotaxis, cigarette smoke 377–344
  - Airways resistance
    - capsaicin, fenspiride 325–330
  - Alanine
    - catabolism, growth factors 285–292
  - Albumin
    - glomerular filtration rate, diabetes 413–419
    - Albumin synthesis feeding, stable isotopes 235–242
    - Albuminuria blood pressure, elderly 185–190
  - Alcoholic heart muscle disease
    - acetaldehyde adducts, immunoblotting 263–268
  - Alkali-soluble protein skeletal muscle, weight loss 479–484
  - Allopurinol
    - ischaemia, kidney 359–364
  - Amiloride
    - platelet aggregation, endothelin 277–283
  - Amino acid requirements protein turnover 597–606*
Subject Index

Amino acids
  McArdle’s disease 687–693
Amylin
  roles in physiology, pathology and therapeutics 7–12
Anaplerosis
  McArdle’s disease 687–693
Angina pectoris
  natriuretic peptides, exercise 551–556
Angiotensin
  β2-agonists 433–437
  DNA and RNA synthesis, fibroblasts 557–562
  lithium, tubular reabsorption 351–358
Angiotensin-converting enzyme
  β2-agonists 433–437
1,5-Anhydroglucitol
  total parenteral nutrition, renal tubular function 203–210
Anti-inflammatory drugs
  α1-antitrypsin, neutrophils 331–336
Antibodies
  acetaldehyde adducts, alcoholic heart muscle disease 263–268
Antidiuretic hormone
  hepatocytes, diabetes 671–674
  urine concentration, parathyroid hormone 197–201
Antioxidant defences
  cigarette smoking 485–489
α1-Antitrypsin
  neutrophils, sulphonamides 331–336
Apolipoprotein B-100
  hepatic secretion, obesity 225–233
L-Arginine
  nitric oxide, endothelial cells 135–139
Asthma
  ‘New Zealand mortality epidemic’, β-agonists 14–17
  sympathetic nervous system 439–446
Atherosclerosis
  microalbuminuria, transvascular albumin leakage 629–633
  vascular permeability factor, endothelium 141–147
Atrial natriuretic peptide
  angina pectoris, exercise 551–556
  glomerular filtration rate, diabetes 413–419
  haemodynamics, cardiac pacing 165–172
  renin–angiotensin system 81–86
  studies in New Zealand 18–21
Atrium
  G-protein α- and β-subunits, β-adrenoceptor blockade 571–580
Autonomic nervous system
  heart rate variability, spectral analysis 103–109
  heart transplantation, spectral analysis 95–102
  autoregulation
    microcirculation, heart failure 501–508*
Bacteria
  renal tract, betaines 25–27
Baroreflex sensitivity
  heart rate variability, spectral analysis 103–109
  power spectral analysis, heart rate 1–2
  statistical dependence 651–655
Betaines
  bacteria, renal tract 25–27
Bile duct ligation
  glomerular thromboxane A2 synthesis, acute renal failure 39–45
Blood flow
  venous occlusion plethysmography 643–649
Blood pressure
  albuminuria, elderly 185–190
  endothelin 509–517
  head-down tilt, spectral analysis 87–93
  heart transplantation, spectral analysis 95–102
  insulin resistance, dietary fructose 719–725
  kidney, genetics 665–670
  power spectral analysis, autonomic nervous system 1–2
  proteinuria, thromboxane receptor antagonists 623–627
  resistance arteries, endothelium 611–622
Blood volume
  carotid baroreceptors, orthostatic hypotension 463–470
Body composition
  dual-energy X-ray absorptiometry 319–324
Bone density
  research in Auckland 12–14
Bradykinin
  resistance artery, diabetes 519–524
Brain
  hypomethylation, vitamin B12 471–477
  methyltransferases, vitamin B12 73–79
Brain natriuretic peptide
  angina pectoris, exercise 551–556
  left ventricular filling, Doppler echocardiography 159–164
  renin–angiotensin system 81–86
  studies in New Zealand 18–21
Breathing pattern
  altitude, newborn infants 345–350
Breathlessness
  morphine inhalation, exercise 447–452
5-Bromodeoxyuridine
  cell cycle, cell proliferation 119–130*
Bronchoconstriction
  sympathetic nervous system 439–446
Subject Index

n-Butyrate
  gangliosides, colonic cancer 491-499

Calcium
  endothelin, protein kinase C 277-283
  parathyroid hormone, urine concentration 197-201

Calcium absorption
  intestine, stable strontium 243-244

Calcium pump
  membrane fluidity, hyperlipidaemia 307-310

Calphostin C
  platelet aggregation, endothelin 277-283

Cancer
  alkali-soluble protein, skeletal muscle 479-484
  colon, gangliosides 491-499

Capillary
  haemodynamics, heart failure 501-508*

Capsaicin
  airways resistance, fenspiride 325-330

Carbohydrate metabolism
  regulation, amylin 7-12

Cardiac pacing
  haemodynamics, atrial natriuretic peptide 165-172

Cardiomyopathy
  acetaldehyde adducts, immunoblotting 263-268

Cardiopulmonary bypass
  platelet aggregation, adrenaline 269-275

Cardiopulmonary receptors
  head-down tilt, spectral analysis 87-93

Carotid baroreceptors
  plasma volume, orthostatic hypotension 463-470

Catabolism
  total parenteral nutrition, growth factors 285-292

Catechol-o-methyltransferase
  metadrenaline 533-542

Cell cycle
  assessment of cell proliferation 119-130*

Cell lineage
  myocytes, retrovirus 257-262

Cell proliferation
  methods of assessment 119-130*

Chemokines
  infection 393-400

Cholesterol esterification
  pregnancy 311-318

Cholinesterase
  nitric oxide, endothelium 111-117

Chronic obstructive pulmonary disease
  fenspiride 325-330
  motor control, tracking task 453-461

Cigarette smoking
  cytokines, antioxidant defences 485-489
  neutrophil chemotaxis, airway epithelial cells 337-344

Cirrhosis
  venous responsiveness, noradrenaline 525-531

Citrate
  McArdle's disease 687-693

Clinical research
  progress in New Zealand 3-27

Clonidine
  vascular reactivity, diabetic nephropathy 421-426

Collecting tubule
  rubidium uptake, insulin resistance 293-299

Colon
  ion transport, platelet-activating factor 51-57

Colonic cancer
  gangliosides, n-butyrate 491-499

Confocal microscopy
  connexin, gap junctions 257-262

Congestive heart failure
  continuous positive airway pressure, haemodynamics 173-178

Connexin
  gap junctions, confocal microscopy 257-262

Continuous ambulatory peritoneal dialysis
  diabetes, insulin action 427-432

Continuous positive airway pressure
  haemodynamics, congestive heart failure 173-178
  respiratory efforts 707-712

Contractile properties
  skeletal muscle, growth hormone deficiency 67-71

Control of breathing
  altitude, newborn infants 345-350
  tracking task, chronic obstructive pulmonary disease 453-461

Copper stable isotopes
  kinetic studies, Wilson's disease 727-732

Coproporphyria
  uroporphyrin, haem arginate 365-369

Coronary artery flow
  exercise, nitrates 635-641

Corticotrophin
  regulation of secretion 4-7

Cyclic GMP
  glomerular filtration rate, atrial natriuretic peptide 413-419

Cyclooxygenase
  endothelium, hypertension 611-622

Cytokines
  cigarette smoking 485-489
  protein synthesis, dietary fats 59-66
  sepsis, plasminogen activator 587-594
Daltroban
  bile duct ligation, acute renal failure 39–45
  proteinuria, blood pressure 623–627
Danish Nutrition Council
  trans fatty acids 375–392
Decompression illness
  cardiorespiratory abnormalities 595–596
Diabetes
  endothelin, resistance artery 519–524
  endothelium 245–255*
  glomerular filtration rate, atrial natriuretic peptide 413–419
  glycosylated haemoglobin, semi-carbazide-sensitive amine oxidase 675–679
  insulin action, continuous ambulatory peritoneal dialysis 427–432
  islet amyloid 7–12
  neuropathy, flow motion 191–196
  vascular reactivity, clonidine 421–426
  vasopressin receptor, hepatocytes 671–674
Dietary fats
  protein synthesis, cytokines 59–66
Dietary fructose
  insulin resistance, blood pressure 719–725
Dihydroxyphenylglycol
  metadrenaline 533–542
Direct analysis
  fat mass, dual-energy X-ray absorptiometry 319–324
Disseminated intravascular coagulation
  vascular smooth muscle, thrombin 149–157
Diurnal cycling
  amino acid requirements 597–606*
DNA
  skeletal muscle, weight loss 479–484
DNA synthesis
  fibroblasts, angiotensin IV 557–562
Doppler echocardiography
  left ventricular filling, brain natriuretic peptide 159–164
Doppler ultrasound
  coronary artery flow, nitrates 635–641
Dual-energy X-ray absorptiometry
  body composition 319–324
Edrophonium
  nitric oxide, endothelium 111–117
Eicosanoids
  endothelium, hypertension 611–622
Elderly
  albuminuria, blood pressure 185–190
Electrolytes
  blood pressure, genetics 665–670
Endothelial cells
  nitric oxide, L-arginine 135–139
Endothelin
  blood pressure 509–517
  focal glomerular sclerosis, low-protein diet 29–37
  hypertension 509–517
  platelet aggregation, protein kinase C 277–283
Endothelin receptors
  focal glomerular sclerosis, low-protein diet 29–37
Endothelium
  cholinesterase, nitric oxide 111–117
  insulin-dependent diabetes mellitus 245–255*
  microcirculation, heart failure 501–508*
  resistance arteries, hypertension 611–622
  resistance artery, diabetes 519–524
  vascular permeability factor, atherosclerosis 141–147
Endothelium-derived relaxing factor
  pregnancy 607–610
  resistance arteries, hypertension 611–622
Endotoxin
  cytokines, dietary fats 59–66
  Kupffer cells, ageing 211–217
Energy expenditure
  glucose-induced thermogenesis 543–550
Epidermal growth factor
  mucosal healing 401–403
Erythrocytes
  membrane function, hyperlipidaemia 307–310
  metabolic acidosis, inorganic phosphate 405–412
Exercise
  breathlessness, morphine inhalation 447–452
  coronary artery flow, Doppler ultrasound 635–641
  natriuretic peptides, angina pectoris 551–556
Family studies
  kidney, hypertension 665–670
Fat mass
  dual-energy X-ray absorptiometry, direct analysis 319–324
Feeding
  albumin synthesis, stable isotopes 235–242
Fenspiride
  airway resistance, capsaicin 325–330
Ferritin
  urological disease 701–706
Fetus
  lipoprotein metabolism 311–318
Fibrinolysis
  sepsis, plasminogen activator 587–594
Flow cytometry
  assessment of cell proliferation 119–130*
Flow motion
neuropathy, diabetes 191–196
Focal glomerular sclerosis
endothelin, low-protein diet 29–37
Folate
methyltransferases, brain 73–79
Free fatty acids
kinetics, insulin 681–686
Fructose
insulin resistance, blood pressure 719–725
Frusemide
renin secretion, nitric oxide 657–663
Fumarate
McArdle’s disease 687–693
Gangliosides
colonic cancer, n-butyrate 491–499
Gap junctions
connexin, confocal microscopy 257–262
Gas chromatography–mass spectrometry
very-low-density lipoprotein apolipoprotein B-100, density 225–233
Glomerular thromboxane A2 synthesis
bile duct ligation, acute renal failure 39–45
Glucose
atrial natriuretic peptide, glomerular filtration rate 413–419
thermogenesis, splanchnic and leg tissue 543–550
Glucose intolerance
glucose transport, skeletal muscle 301–306
Glucose metabolism
insulin action, continuous ambulatory peritoneal dialysis 427–432
Glucose transport
skeletal muscle, glucose intolerance 301–306
Glycerol
insulin 681–686
Glycogenolysis
McArdle’s disease 687–693
Glycolysis
inorganic phosphate, metabolic acidosis 405–412
Glycosylated haemoglobin
diabetes, semi-carbazide-sensitive amine oxidase 675–679
Goto–Kakizaki rat
glucose transport, skeletal muscle 301–306
G-protein
α- and β-subunits, atrium 571–580
Growth hormone
alanine, catabolism 285–292
Growth hormone deficiency
skeletal muscle, contractile properties 67–71
GTPase-activating protein
neurofibrin, neurofibromatosis 581–585
Haem arginate
uroporphyrin, coproporphyria 365–369
Haemodynamics
cardiac pacing, atrial natriuretic peptide 165–172
continuous positive airway pressure, congestive heart failure 173–178
head-down tilt, spectral analysis 87–93
microcirculation, heart failure 501–508*
Haemostasis
cardiopulmonary bypass, adrenaline 269–275
Head-down tilt
haemodynamics, spectral analysis 87–93
Heart
gap junctions, connexin 257–262
Heart failure
heart rate variability, spectral analysis 103–109
metadrenaline 533–542
microcirculation, haemodynamics 501–508*
Heart rate
head-down tilt, spectral analysis 87–93
heart transplantation, spectral analysis 95–102
power spectral analysis, autonomic nervous system 1–2
Heart rate variability
spectral analysis, baroreflex sensitivity 103–109
Heart transplantation
blood pressure, spectral analysis 95–102
Heat shock protein
infection 393–400
Heparin
vascular smooth muscle, thrombin 149–157
Hepatocytes
vasopressin receptor, diabetes 671–674
Hering–Breuer reflexes
altitude, newborn infants 345–350
Hirudin
platelet aggregation, adrenaline 269–275
vascular smooth muscle, thrombin 149–157
Human pepsins
acute gastric erosions, cat 47–50
Hyperaldosteronism
hypertension, hereditary 563-570

Hyperalimentation
1,5-anhydroglucitol, renal tubular function 203-210

Hyperlipidaemia
calcium pump, membrane fluidity 307-310

Hyperphosphataemia
metabolic acidosis, uraemia 405-412

Hypertension
calcium pump, membrane fluidity 307-310
metabolic acidosis, uraemia 405-412
albuminuria, elderly 185-190
deredoidal, hyperaldosteronism 563-570
kidney, genetics 665-670
metadrenaline 533-542
resistance arteries, endothelium 611-622
rubidium uptake, nephron 293-299

Hypomethylation
brain, vitamin B12 73-79, 471-477

Hypoxia
vagal reflexes, newborn infants 345-350

Idiopathic pulmonary fibrosis
superoxide dismutase 371

Infarct artery patency
thrombolytic therapy 21-24

Infection
chemokines 393-400

Inflammation
urinary ferritin 701-706
Inflammatory bowel disease
platelet-activating factor, synthesis de novo 713-717

Inhalation
morphine, breathlessness 447-452

Inorganic phosphate
metabolic acidosis, uraemia 405-412

Insulin
free fatty acids, kinetics 681-686

Insulin action
diabetes, continuous ambulatory peritoneal dialysis 427-432

Insulin resistance
blood pressure, dietary fructose 719-725
glucose transport, skeletal muscle 301-306
obesity and hypertension, amylin 7-12
rubidium uptake, nephron 293-299
very-low-density lipoprotein apolipoprotein B-100, obesity 225-233

Insulin sensitivity
insulin action, continuous ambulatory peritoneal dialysis 427-432

Insulin-like growth factor-1
alanine, catabolism 285-292
free fatty acids, kinetics 681-686

muscle strength, growth hormone deficiency 67-71

Interleukin-1
Kupffer cells, endotoxin 211-217

Interleukin-6
cigarette smoking 485-489
fibrinolysis, sepsis 587-594
Kupffer cells, endotoxin 211-217

Interleukin-8
infection 393-400

Internal mammary graft
exercise, nitrates 635-641

Intestinal trefoil factor
mucosal healing 401-403

Intestine
calcium absorption, stable strontium 243-244

Intraperitoneal insulin
metabolic effects, continuous ambulatory peritoneal dialysis 427-432

 Ion transport
platelet-activating factor, distal colon 51-57
Ischaemia
kidney, allopurinol 359-364

Jejunum
absorption, polyunsaturated fat 219-224

Ki-67
cell cycle, cell proliferation 119-130*

Kidney
blood pressure, genetics 665-670
ischaemia, allopurinol 359-364

81mKr
ventilation-perfusion inequality 179-184

Kupffer cells
endotoxin, ageing 211-217

Laser Doppler flowmetry
neuropathy, diabetes 191-196

Lean mass
dual-energy X-ray absorptiometry, direct analysis 319-324

Left ventricular filling
Doppler echocardiography, brain natriuretic peptide 159-164

Leucocytes
sodium-potassium-dependent adenosine triphosphatase, potassium 695-700

Leukotrienes
Kupffer cells, endotoxin 211-217

Lipoproteins
pregnancy 311-318

Lithium
tubular reabsorption, angiotensin II 351-358
Low-protein diet
endothelin gene expression, focal glomerular sclerosis 29–37
Lymphocytes
sodium–potassium-dependent adenosine triphosphatase, potassium 695–700

Macula densa
renin secretion, nitric oxide 657–663
Malaria
chemokines 393–400
Malate
McArdle's disease 687–693
Membrane cholesterol
eythrocytes, hyperlipidaemia 307–310
Membrane fluidity
calcium pump, hyperlipidaemia 307–310
Messenger RNA
vasopressin receptor, diabetes 671–674
Metabolic acidosis
inorganic phosphate, uraemia 405–412
Metadrenaline
sympathetic nervous system 533–542
Methacholine
nitric oxide, endothelium 111–117
Methionine synthase
methylation ratio, brain 73–79
Methylation ratio
brain, vitamin B_{12} 471–477
methyltransferases, brain 73–79
Methyltransferases
vitamin B_{12}, brain 73–79
Mevalonic acid
very-low-density lipoprotein apolipoprotein B-100, obesity 225–233
Microalbuminuria
diabetes, vascular reactivity 421–426
transvascular albumin leakage 629–633
Microcirculation
haemodynamics, heart failure 501–508*
Monoamine oxidase
metadrenaline 533–542
Monocyte chemoattractant protein
infection 393–400
Morphine
inhalation, breathlessness 447–452
Motor control
tracking task, chronic obstructive pulmonary disease 453–461
Mucosal healing
intestinal trefoil factor, epidermal growth factor 401–403
Muscarinic receptors
nitric oxide, endothelium 111–117
Muscle contraction
tricarboxylic acid cycle, McArdle's disease 687–693
Muscle strength
insulin-like growth factor-I, growth hormone deficiency 67–71
Myocardial infarction
thrombolytic therapy, left ventricular function 21–24
Myocytes
connexin, gap junctions 257–262
Natriuretic peptides
studies in New Zealand 18–21
Near-infrared spectroscopy
ischaemia, kidney 359–364
Neonatal respiration
vagal reflexes, altitude 345–350
Nephrone
rubidium uptake, insulin resistance 293–299
Neurofibroma
neurofibrin, GTPase-activating protein 581–585
Neurofibromatosis
neurofibrin, GTPase-activating protein 581–585
Neurofibromin
GTPase-activating protein, neurofibromatosis 581–585
Neuropathy
diabetes, flow motion 191–196
Neuropeptide Y
bronchoconstriction 439–446
Neutrophil chemotaxis
airway epithelial cells, cigarette smoking 337–344
Neutrophils
α_{1}-antitrypsin, sulphonamides 331–336
New Zealand
progress in clinical research 3–27
'New Zealand asthma mortality epidemic'
β-agonists 14–17
Newborn infants
vagal reflexes, altitude 345–350
Nitrates
coronary artery flow, Doppler ultrasound 635–641
Nitric oxide
cholinesterase, endothelium 111–117
endothelial cells, L-arginine 135–139
dendotoxin shock, thrombin 149–157
insulin-dependent diabetes mellitus 245–255*
pregnancy 607–610
renin secretion, macula densa 657–663
resistance arteries, hypertension 611–622
resistance artery, diabetes 519–524
septic shock 131–133
Subject Index

Nitric oxide synthase  
endothelial cells, L-arginine 135–139  
septic shock 131–133  
N0^-Nitro-L-arginine methyl ester  
renin secretion, macula densa 657–663  
Nitrogen balance  
amino acid requirements 597–606*  
Nitrous oxide  
methylation ratio, brain 73–79  
Noradrenaline  
bronchoconstriction 439–446  
vascular reactivity, diabetic nephropathy 421–426  
venous responsiveness, cirrhosis 525–531  
Normetadrenaline  
sympathetic nervous system 533–542  
Norrie disease  
metadrenaline 533–542  
Obesity  
very-low-density lipoprotein apolipoprotein B-100, insulin resistance 225–233  
Oedema  
microcirculation, heart failure 501–508*  
Orthophosphate  
methylenedioxy, uraemia 405–412  
Orthostatic hypotension  
carotid baroreceptors, plasma volume 463–470  
Osteoporosis  
research in Auckland 12–14  
Ouabain  
sodium–potassium-dependent adenosine triphosphatase, lymphocytes 695–700  
Oxidative metabolism  
McArdle’s disease 687–693  
Oxygen uptake  
glucose-induced thermogenesis 543–550  
Parathyroid hormone  
urine concentration, arginine vasopressin 197–201  
Patent foramen ovale  
decompression illness 595–596  
Pepsins  
acute gastric erosions, cat 47–50  
Permeability  
distal colon, platelet-activating factor 51–57  
Phaeochromocytoma  
metadrenaline 533–542  
Phenylephrine  
vascular reactivity, diabetic nephropathy 421–426  
Plasma volume  
carotid baroreceptors, orthostatic hypotension 463–470  
Plasminogen activator  
fibrinolysis, sepsis 587–594  
Plasminogen activator inhibitor 1  
fibrinolysis, sepsis 587–594  
Platelet aggregation  
cardiopulmonary bypass, adrenaline 269–275  
endothelin, protein kinase C 277–283  
Platelet-activating factor  
ion transport, distal colon 51–57  
synthesis de novo, inflammatory bowel disease 713–717  
Platelet-derived growth factor  
endothelium, atherosclerosis 141–147  
Polyamine  
cell cycle, cell proliferation 119–130*  
Polyol  
total parenteral nutrition, renal tubular function 203–210  
Polyunsaturated fat  
jejunal function 219–224  
Porphobilinogen deaminase  
uroporphyrin, haem arginate 365–369  
Postmenopausal osteoporosis  
research in Auckland 12–14  
Potassium  
sodium–potassium-dependent adenosine triphosphatase, lymphocytes 695–700  
Potassium channels  
endothelium, hypertension 611–622  
Power spectral analysis  
heart rate, blood pressure 1–2  
Pre-ascitic cirrhosis  
venous responsiveness, noradrenaline 525–531  
Pre-eclampsia  
nicotinic acid 607–610  
Pregnancy  
lipoprotein metabolism 311–318  
nicotinic acid 607–610  
Proliferating cell nuclear antigen  
cell cycle, cell proliferation 119–130*  
Prostaglandins  
Kupffer cells, endotoxin 211–217  
Protein  
hypomethylation, vitamin B12 471–477  
Protein kinase C  
endothelin, platelet aggregation 277–283  
Protein synthesis  
cytokines, dietary fats 59–66  
Protein turnover  
amino acid requirements 596–606*  
Proteinuria  
blood pressure, thromboxane receptor antagonists 623–627  
Proximal convoluted tubule  
rubidium uptake, insulin resistance 293–299
<table>
<thead>
<tr>
<th>Subject Index</th>
<th>xx1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulmonary artery pressure</td>
<td>fenstipide 325–330</td>
</tr>
<tr>
<td>Renal tract</td>
<td>bacteria, betaines 25–27</td>
</tr>
<tr>
<td>Renal tubular function</td>
<td>total parenteral nutrition, 1,5-anhydroglucitol 203–210</td>
</tr>
<tr>
<td>Renin–angiotensin system</td>
<td>$\beta_2$-agonists 433–437</td>
</tr>
<tr>
<td>Renin secretion</td>
<td>macula densa, nitric oxide 657–663</td>
</tr>
<tr>
<td>Resistance arteries</td>
<td>endothelium, diabetes 519–524</td>
</tr>
<tr>
<td>Respiratory efforts</td>
<td>upper airway pressure 707–712</td>
</tr>
<tr>
<td>Retrovirus</td>
<td>cell lineage, myocytes 257–262</td>
</tr>
<tr>
<td>RNA</td>
<td>skeletal muscle, weight loss 479–484</td>
</tr>
<tr>
<td>RNA synthesis</td>
<td>fibroblasts, angiotensin IV 557–562</td>
</tr>
<tr>
<td>Rubidium uptake</td>
<td>nephron, insulin resistance 293–299</td>
</tr>
<tr>
<td>Secretion</td>
<td>jejunum, polyunsaturated fat 219–224</td>
</tr>
<tr>
<td>Semi-carbazide-sensitive amine oxidase</td>
<td>diabetes, glycosylated haemoglobin 675–679</td>
</tr>
<tr>
<td>Sepsis</td>
<td>chemokines 393–400</td>
</tr>
<tr>
<td></td>
<td>fibrinolysis, plasminogen activator 587–594</td>
</tr>
<tr>
<td></td>
<td>nitric oxide synthase 131–133</td>
</tr>
<tr>
<td>Serum lipids</td>
<td>insulin action, continuous ambulatory peritoneal dialysis 427–432</td>
</tr>
<tr>
<td>Sialic acid</td>
<td>colonic cancer, n-butyrate 491–499</td>
</tr>
<tr>
<td>Skeletal muscle</td>
<td>alkali-soluble protein, weight loss 479–484</td>
</tr>
<tr>
<td></td>
<td>catabolism, growth factors 285–292</td>
</tr>
<tr>
<td></td>
<td>contractile properties, growth hormone deficiency 67–71</td>
</tr>
<tr>
<td></td>
<td>glucose transport, glucose intolerance 301–306</td>
</tr>
<tr>
<td></td>
<td>glucose-induced thermogenesis 543–550</td>
</tr>
<tr>
<td>Sleep apnoea–hypopnoea</td>
<td>respiratory efforts 707–712</td>
</tr>
<tr>
<td>Sodium</td>
<td>nephron, insulin resistance 293–299</td>
</tr>
<tr>
<td></td>
<td>venous responsiveness, noradrenaline 525–531</td>
</tr>
<tr>
<td></td>
<td>sodium–potassium-dependent adenosine triphosphatase</td>
</tr>
<tr>
<td></td>
<td>nephron, insulin resistance 293–299</td>
</tr>
<tr>
<td></td>
<td>potassium, lymphocytes 695–700</td>
</tr>
<tr>
<td>Spectral analysis</td>
<td>blood pressure, heart transplantation 95–102</td>
</tr>
<tr>
<td></td>
<td>haemodynamics, head-down tilt 87–93</td>
</tr>
<tr>
<td></td>
<td>heart rate variability, baroreflex sensitivity 103–109</td>
</tr>
<tr>
<td>Spleen</td>
<td>glucose-induced thermogenesis 543–550</td>
</tr>
<tr>
<td>Stable isotopes</td>
<td>albumin synthesis, feeding 235–242</td>
</tr>
<tr>
<td></td>
<td>very-low-density lipoprotein B-100, hepatic secretion 225–233</td>
</tr>
<tr>
<td>Statistical dependence</td>
<td>baroreflex sensitivity 651–655</td>
</tr>
<tr>
<td>Staurosporine</td>
<td>platelet aggregation, endothelin 277–283</td>
</tr>
<tr>
<td>Steroid osteoporosis</td>
<td>research in Auckland 12–14</td>
</tr>
<tr>
<td>Strontium</td>
<td>calcium absorption, intestine 243–244</td>
</tr>
<tr>
<td>Subacute combined degeneration</td>
<td>hypomethylation, vitamin B$_{12}$ 471–477</td>
</tr>
<tr>
<td>Subcutaneous insulin</td>
<td>metabolic effects, continuous ambulatory peritoneal dialysis 427–432</td>
</tr>
<tr>
<td>Sulphonamides</td>
<td>$\alpha_1$-antitrypsin, neutrophils 331–336</td>
</tr>
<tr>
<td>Superoxide dismutase</td>
<td>idiopathic pulmonary fibrosis 371</td>
</tr>
<tr>
<td>Surgery</td>
<td>alkali-soluble protein, skeletal muscle 479–484</td>
</tr>
<tr>
<td>Sympathetic nervous system</td>
<td>bronchoconstriction 439–446</td>
</tr>
<tr>
<td></td>
<td>metadrenaline 533–542</td>
</tr>
<tr>
<td>Tachycardia</td>
<td>cardiac pacing, atrial natriuretic peptide 165–172</td>
</tr>
<tr>
<td></td>
<td>$^{99m}$Tc ventilation–perfusion inequality 179–184</td>
</tr>
<tr>
<td>Thermogenesis</td>
<td>glucose, splanchnic and leg tissue 543–550</td>
</tr>
<tr>
<td>Thick ascending limb of Henle</td>
<td>rubidium uptake, insulin resistance 293–299</td>
</tr>
<tr>
<td>Thrombin</td>
<td>platelet aggregation, endothelin 277–283</td>
</tr>
<tr>
<td></td>
<td>vascular smooth muscle, endotoxic shock 149–157</td>
</tr>
<tr>
<td></td>
<td>thrombolytic therapy</td>
</tr>
<tr>
<td></td>
<td>left ventricular function, myocardial infarction 21–24</td>
</tr>
<tr>
<td></td>
<td>thromboxane A$_2$</td>
</tr>
<tr>
<td></td>
<td>glomerular synthesis, acute renal failure 39–45</td>
</tr>
</tbody>
</table>
Thromboxane A₂/prostaglandin H₂ receptor antagonism
bile duct ligation, acute renal failure 39-45
Thromboxane receptor antagonists
proteinuria, blood pressure 623-627
Thymidine
cell cycle, cell proliferation 119-130*
Thymidine incorporation
fibroblasts, angiotensin IV 557-562
Tilt
blood pressure, heart transplantation 95-102
Tissue factor
fibrinolysis, sepsis 587-594
Tissue-type plasminogen activator
fibrinolysis, sepsis 587-594
Total enteral nutrition
1,5-anhydroglucitol, renal tubular function 203-210
Total parenteral nutrition
1,5-anhydroglucitol, renal tubular function 203-210
catabolism, growth factors 285-292
Toxoplasmosis
chemokines 393-400
Tracking task
motor control, obstructive pulmonary disease 453-461
\textit{trans} Fatty acids
influence on health 373-384, 375-392
Transfer function analysis
haemodynamics, head-down tilt 87-93
Transitional cell carcinoma
urinary ferritin 701-706
Transvascular albumin leakage
microalbuminuria, atherosclerosis 629-633
Triacylglycerol
membrane function, hyperlipidaemia 307-310
Tricarboxylic acid cycle
McArdle's disease 687-693
Tuberculosis
chemokines 393-400
Tubular reabsorption
lithium, angiotensin II 351-358
Tumour necrosis factor
cigarette smoking 485-489
fibrinolysis, sepsis 587-594
Kupffer cells, endotoxin 211-217
Tumour-infiltrating lymphocytes
urinary ferritin 701-706
Upper airway pressure
respiratory efforts 707-712
Uraemia
metabolic acidosis, inorganic phosphate 405-412
Uridine incorporation
fibroblasts, angiotensin IV 557-562
Urine albumin excretion
transvascular albumin leakage, atherosclerosis 629-633
Urine concentration
parathyroid hormone, arginine vasopressin 197-201
Urological disease
ferritin 701-706
Uroporphyrin
coproporphyrin, haem arginate 365-369
Vagal reflexes
altitude, newborn infants 345-350
Variability
blood pressure, heart transplantation 95-102
Vascular conductance
venous occlusion plethysmography 643-649
Vascular permeability factor
endothelium, atherosclerosis 141-147
Vascular reactivity
diabetic nephropathy, clonidine 421-426
Vascular smooth muscle
endotoxic shock 149-157
vascular permeability factor, atherosclerosis 141-147
Vasoconstriction
endothelin, hypertension 509-517
Vasodilatation
resistance artery, diabetes 519-524
venous occlusion plethysmography 643-649
Vasomotion
neuropathy, diabetes 191-196
Vasopressin
haemodynamics, cardiac pacing 165-172
Vasopressin receptor
hepatocytes, diabetes 671-674
Venous occlusion plethysmography
blood flow 643-649
Venous responsiveness
noradrenaline, pre-ascitic cirrhosis 525-531
Ventilation
fenoterol 325-330
Ventilation-perfusion inequality
\textsuperscript{81}Kr, \textsuperscript{99m}Tc 179-184
Very-low-density lipoprotein apolipoprotein B-100
hepatic secretion, obesity 225-233
Vitamin B₁₂
hypomethylation, brain 471-477
methyltransferases, brain 73-79
Weight loss
alkali-soluble protein, skeletal muscle 479-484
Wilson's disease
copper stable isotopes, kinetic studies 727-732
Biosynthesis of platelet-activating factor in normal and inflamed human colon mucosa: evidence for the involvement of the pathway of platelet-activating factor synthesis de novo in inflammatory bowel disease by C. B. Appleyard and K. Hillier 713-717

Long-term fructose versus corn starch feeding in the spontaneously hypertensive rat by M. R. van der Schaaf, J. A. Joles, A. van Tol and H. A. Koomans 719-725


CORRECTION

Physiology and pathophysiology of heart rate and blood pressure variability in humans: is power spectral analysis largely an index of baroreflex gain? by P. Sleight, M. T. La Rovere, A. Mortara, G. Pinna, R. Maestri, S. Leuzzi, B. Bianchini, L. Tavazzi and L. Bernardi, 733

AUTHOR INDEX

SUBJECT INDEX