Volume 64

AUTHOR INDEX

ABBOTT, R.J.  617–622
ABRAMSON, S.B.  193–205
AFFORD, S.C.  223–230
ALBANO, J.D.M.  623–627
ALBERTI, K.G.M.M.  41–47
ARIEFF, A.I.  573–580
ARNER, P.  235–237
ARONSON, J.K.  253–258
AVIRAM, M.  637–642
AYRES, J.G.  555–557
AZAD KHAN, A.K.  349–354

BACON, P.A.  551–553
BAGGER, J.P.  33–40
BAHLMANN, J.  141–152
BALLARD, F.J.  315–320
BANDIERA, F.  137–140
BANKS, R.A.  471–474
BARNETT, D.B.  617–622
BARRADAS, M.  239–241
BARRADAS, M.  223–230
BASSENDINE, M.F.  643–648
BASTIAN, B.C.  593–599
BATHTILANA, G.  259–263
BAZELMANS, J.  511–516
BEASTALL, G.H.  117–118
BECK, F.  183–186
BROCK, F.W.J.  295–301
BEILIN, L.L.  471–474
BELLINI, G.  259–263
BENNERT, T.  371–376, 377–382
BERGEL, D.H.  455–461
BESSENT, R.G.  527–535
BENNETT, T.  371–376, 377–382
BODOLA, F.  481–486
BOER, P.  153–160
BORST, C.  581–586
BROD, J.  141–152
BROOK, G.  637–642
BROWN, I.M.H.  207–212
BRUN-FASCAUD, M.  497–504
BURGOYNE, J.L.  315–320
BURSTON, D.  433–439
CACHOVAN, M.  141–152
CAMPAVALCAI, L.  259–263
CARMEL, R.  193–205
CARRERAS, D.  259–263
CHAMBERLAIN, M.J.  69–78
CHATTELAIN, R.E.  355–358
CICILITIRA, P.J.  655–659
CLARK, F.  41–47
CLARK, T.J.H.  555–557
CLAYTON, R.N.  1–6
CLUGSTON, G.A.  231–233
COADE, S.B.  333–340
COOK, D.B.  41–47
CORNISH, K.G.  281–287
CORNALL, R.J.M.  49–53
CRAFT, I.L.  239–241
CROSSLEY, I.R.  247–252
CUMBERBATCH, M.  167–176, 441–447
CUMMINGS, J.H.  629–635
DALTON, M.  307–314
DALTON, N.  475–479
DANDONA, P.  239–241
DANIELSON, B.G.  399–405
DAVIDSON, N.M.  49–53
DE GROOTE, J.  85–90
DESAI, S.P.  321–331
DESSI-FULGHERI, P.  137–140
DONOHUE, K.  601–609
DORHOUT MEES, E.J.  153–160
DORNHORST, A.C.  661–662
DOYLE, A.E.  463–470
DUFFY, S.G.  463–470
DULFANO, M.J.  449–451
DULL, W.L.  25–31
DUNNING, A.J.  581–586
EDDELESTON, A.L.W.F.  113–116
EDWARDS, R.H.T.  55–56, 547–550
ELANDER, B.  423–431
ELIA, M.  517–526
FABRIS, B.  259–263
FARR, M.  551–553
FARRI, L.  611–616
FAVRE, L.  407–415
FELL, G.S.  527–535
FELLENIUS, E.  423–431
FELLSTRÖM, B.  399–405
FERN, E.B.  101–108
FEUER, G.  303–306
FEVER, J.  85–90
FLECKNELL, P.A.  161–165
FIOS, G.  137–140
FORBES, G.B.  601–609
FRANKS, R.C.  481–486
FRENCH, E.B.  49–53
FRIER, B.M.  49–53
FRÖSETH, B.  453–454
GALTON, D.J.  559–563
GARDNER, M.L.G.  433–439
GARDINER, I.T.  487–495
GARDINER, S.M.  371–376, 377–382
GARLICK, P.J.  101–108, 231–233
GEERS, A.B.  153–160
GERTZ, E.W.  573–580
GIBSON, G.J.  487–495
GILMORE, J.P.  281–287
GIRARD, P.  497–504
GLASS, R.E.  101–108
GLASSON, P.H.  407–415
Glorioso, N.  137–140
GOLDBLATT, D.  601–609
GORDON, D.  273–280
GRAHAM, R.M.  593–599
GRAINTER, S.L.  207–212
GRIBBIN, H.R.  487–495
GRIGGS, R.C.  601–609
GUTHERIE, G.  349–354
GUTTERIDGE, J.M.C.  551–553
HAGLUND, U.  423–431
HAINES, A.J.  113–116
HALL, G.M.  109–111
HALLIDAY, D.  243–246
HALLWELL, B.  551–553, 649–653
HARKNESS, R.A.  333–340
HAYASHI, R.H.  481–486
HEINZ III, G.J.  487–495
HELANDER, H.F.  423–431
HENNINGSEN, P.  33–40
HERVEY, G.R.  7–18
HÖCK, S.A.  505–510
<table>
<thead>
<tr>
<th>Author</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vallotton, M.B.</td>
<td>407–415</td>
</tr>
<tr>
<td>Van Bredbrode, J.F.M.</td>
<td>581–586</td>
</tr>
<tr>
<td>Van Dongen Torman, M.A.</td>
<td>581–586</td>
</tr>
<tr>
<td>Van Montfrans, G.A.</td>
<td>581–586</td>
</tr>
<tr>
<td>Veroni, M.</td>
<td>463–470</td>
</tr>
<tr>
<td>Vessby, B.</td>
<td>399–405</td>
</tr>
<tr>
<td>Vierhapper, H.</td>
<td>383–386</td>
</tr>
<tr>
<td>Vinitski, S.</td>
<td>69–78</td>
</tr>
<tr>
<td>Waldhäusl, W.</td>
<td>383–386</td>
</tr>
<tr>
<td>Wallace, E.C.H.</td>
<td>359–370</td>
</tr>
<tr>
<td>Waller, D.G.</td>
<td>623–627</td>
</tr>
<tr>
<td>Wallmark, B.</td>
<td>423–431</td>
</tr>
<tr>
<td>Wardle, E.N.</td>
<td>247–252</td>
</tr>
<tr>
<td>Warren, J.B.</td>
<td>475–479</td>
</tr>
<tr>
<td>Watson, W.S.</td>
<td>117–118</td>
</tr>
<tr>
<td>Wegelius, O.</td>
<td>453–454</td>
</tr>
<tr>
<td>Wieling, W.</td>
<td>581–586</td>
</tr>
<tr>
<td>Wiles, C.M.</td>
<td>547–550</td>
</tr>
<tr>
<td>Williams, R.</td>
<td>113–116, 247–252</td>
</tr>
<tr>
<td>Williamson, D.H.</td>
<td>349–354</td>
</tr>
<tr>
<td>Winterstein, G.</td>
<td>637–642</td>
</tr>
<tr>
<td>Wootton, R.</td>
<td>161–165</td>
</tr>
<tr>
<td>Wright, N.A.</td>
<td>643–648</td>
</tr>
</tbody>
</table>
Absorption, intestinal 433–439, 527–535
Acetylsalicylic acid, 6-ketoprostaglandin F$_{10}$
excretion 395–398
Acid activation, renin 481–486
Acid excretion, renal 565–572
Acid secretion, isolated oxyntic glands 423–431
Acylglycerol metabolism, adipose tissue 235–237
Adductor pollicis, aminophylline 547–550
Adenosine diphosphate, placenta 239–241
Adenosine 3',5'-phosphate
parathyroid hormone 623–627
vascular, renal hypertension 355–358
Adenosine triphosphatase
Adipose tissue
brown 7–18, 19–23
nicotinic acid 235–237
Adrenalectomy, baroreflexes 371–376
Adrenaline, exercise 475–479, 593–599
$\alpha$-Adrenergic receptors, platelets 265–272
Adrenocorticotropic hormone, dietary sodium
295–301
Airflow, intravenous ethanol 555–557
Airflow obstruction, chronic 487–495
Airway conductance, adrenaline 475–479
Alanine
myocardial exchange 33–40
protein metabolism 517–526
Albumin, sex hormone binding 307–314
Alcoholic cirrhosis, zinc metabolism 527–535
Alcohol dehydrogenase, hepatic zinc 527–535
Aldosterone
diuretics 407–415
erythrocyte sodium–potassium pump 183–186
insulin 383–386
Alkaline phosphatase, duodenal mucosa 341–347
Alkalosis
frusemide 565–572
potassium depletion 497–504
Almitrine, pulmonary haemodynamics 25–31
Amino acids
branched chain 321–331, 517–526
$\delta$-Aminolaevulinic acid dehydratase 187–191
$\delta$-Aminolaevulinic acid synthase 187–191
Aminophylline, adductor pollicis fatigue 547–550
Ammonia
excretion 101–108
hepatic encephalopathy 247–252*
Amniotic fluid, renin activation 481–486
Amyloidosis, secondary 453–454
Amyotrophic lateral sclerosis, glucose tolerance
601–609
Angiotensin II
dietary sodium 295–301
experimental hypertension 359–370
insulin 383–386
Antigens, tissue 113–116
$\alpha$-Antitrypsin
cigarette smoke 223–230
reactive systemic amyloidosis 453–454
Apolipoproteins 559–563*
Arrhythmias, digitalis intoxication 253–258*
Arterial hypertrophy, renal hypertension 355–358
Arterio–coronary sinus differences 33–40
Artery
ADP degradation 239–241
distensibility 455–461
Ascorbate oxidase, synovial fluid 551–553
Ascorbate, rheumatoid disease 649–653
Asialoglycoproteins, hepatic clearance 127–135*
Aspirin see Acetylsalicylic acid
Asthma, intravenous ethanol 555–557
Athymic mice, human hepatocellular carcinoma
643–648
Atrial pacing 33–40
Atropine, static and dynamic handgrip 593–599
Autoimmunity 113–116
Autonomic nervous system
failure 587–591
hypoglycaemia 49–53
Autonomic neuropathy, heart rate 581–585
Azo reductase, tissue activity 349–354
Baroreceptors, arterial 455–461
Subject Index

Baroreflexes
essential hypertension 259–263
post-adrenalectomy hypotension 371–376
Bicarbonate, duodenal secretion 341–347
\[^{14}C\]bicarbonate, respiratory \[^{14}CO_2\] 231–233
Biliary cirrhosis 113–116
Bilirubin
biliary excretion 85–90
hepatic conjugation 85–90
Bilirubin UDP-glucuronosyltransferase 85–90
Blood flow
cerebral 161–165
coronary 33–40
meclofenamate 471–474
Blood platelets, \(\alpha_2\)-adrenergic receptors, 265–272
Blood pressure
adrenaline 475–479
autonomic blockade 593–599
autonomic failure 587–591
insulin 383–386
plasma renin 273–280
post-adrenalectomy 371–376
Blood vessels
ADP degradation 239–241
collagen 355–358
coronary artery disease 33–40
distensibility 455–461
meclofenamate 471–474
Blood volume
regulation 281–287
renal disease 141–152
Body fluids, distribution 153–160
Body temperature, nerve conduction 617–622
Body mineral content
bed rest 537–540
physical exercise 541–546
Brain, blood flow 161–165
Braking effect, diuretics 565–572
Branch-chain amino acids
metabolic fate 517–526
protein kinetics 321–331
Brattleboro rats, short-term isolation 377–382
Bronchodilatation, intravenous ethanol 555–557
Brown adipose tissue 7–18, 19–23
Brush border, duodenal mucosal enzymes 341–347
Caeruloplasmin, synovial fluid 551–553
Captopril, renal hypertension 463–470
Carbon dioxide
almitrine 25–31
\[^{14}C\]bicarbonate infusion 231–233
cardiac output rebreathing technique 289–293
ventilatory response 487–495
Carbonic anhydrase, duodenal mucosa 341–347
Cardiac output
determination 289–293
static and dynamic handgrip 593–599
Carotid sinuses radius, phenylephrine 455–461
Catecholamines
exercise 475–479
orthostatic hypotension 587–591
Cell population kinetics, hepatocellular carcinoma 643–648
Chest cage restriction, resistive load detection 417–421
Cholesterol, plasma 91–99, 637–642
Chronic obstructive pulmonary disease 213–222
Cigarette smoke, \(\alpha_1\)-antitrypsin 223–230
Cilia, beating frequency 449–451
Circadian rhythm, 18-hydroxy corticosterone 295–301
Citrate, myocardial exchange 33–40
Cobalamin, pancreatic juice 193–205
Coeliac disease, gliadins radioimmunoassay 655–659
Collagen, vascular, renal hypertension 355–358
Converting enzyme inhibition 359–370
Coproporphyrinogen oxidase 187–191
Coronary artery disease 33–40
Cor pulmonale 117–118
Creatinine
24 h urine collection 629–635
hypopituitary children 315–320
Cyclic AMP see Adenosine 3',5'-phosphate
Cysteamine, duodenal ulcers 341–347
Cytosol, duodenal mucosal enzymes 341–347
Deoxyribonucleic acid, vascular, renal hypertension 355–358
Diabetic autonomic neuropathy 581–585
Diet-induced thermogenesis 7–18, 19–23
Diflunisal, diuretics 407–415
Digitalis intoxication 253–258*
Diuretics
diflunisal 407–415
essential hypertension 259–263
frusemide 565–572
renal prostaglandins 407–415
'Down-regulation', \(\alpha_2\)-adrenergic receptors 265–272
Duodenal ulcer, mucosal enzymes 341–347
Dyspnoea, resistive load detection 417–421
Elastase
\(\alpha_1\)-antitrypsin 223–230
inhibitory activity 453–454
lung diseases 119–126*
Subject Index ix

Electrolytes
balance 377–382
leukaemic plasma 79–83
Endopeptidases, lung diseases 119–126*
Endoplasmic reticulum, liver 303–306
Endothelial cells, prostacyclin 387–394, 395–398
Energy balance, thermogenesis 7–18, 19–23
Energy metabolism, preterm infants 611–616
Erythrocyte
hyperthyroidism 441–447
potassium 167–176, 177–182
purine 333–340
rubidium 183–186
Ethanol, asthma 555–557
Exercise
catecholamines 475–479
plasma adrenaline 475–479
purine transport and metabolism 333–340
vertebral bone loss 541–546
Extracellular fluid volume 153–160
False neurotransmitters 247–252*
Fatigue, muscle
aminophylline 547–550
low-frequency 55–62
Fatty acids
essential 91–99
myocardial exchange 33–40
Ferroxidase, synovial fluid 551–553
Fick method, indirect 289–293
Fluid balance, short-term isolation 377–382
a-Foetoprotein, tumour secretion 643–648
Fractures, bone mineral 541–546
Frusemide
chloride 565–572
erthrocyte sodium transport 79–83
sodium 565–572
Gastric glands, acid secretion 423–431
Gastroscopic biopsy, isolated oxyntic glands 423–431
Globulin, sex hormone binding 307–314
Glucose
adrenaline 475–479
myocardial exchange 33–40
tolerance test 601–609
triglyceride metabolism 511–516
turnover, thyroid failure 41–47
Glutamate, myocardial exchange 33–40
Glutamine, protein metabolism 517–526
Glycine, colorectal tumours 101–108
Glycogen, abdominal surgery 109–111
Goldblatt hypertension, renin–angiotensin system 359–370
Gonadotrophin-releasing hormone 1–6*
Graft vs host disease 113–116
Growth hormone, myofibrillar protein 315–320
Growth retardation 161–165
Gluten, dietary content 655–659
Glycoproteins, hepatic clearance 127–135*
Haemodynamics
pulmonary 25–31
renal disease 141–152
Haemostasis
acetylsalicylic acid 395–398
polyunsaturated fatty acids 91–99
Haem synthesis, sulphides 187–191
Handgrip
haemodynamic responses 593–599
heart rate 581–585
Heart
cardiac output 289–293, 593–599
digitalis intoxication 253–258*
failure 573–580
ischaemic disease 273–280
Heart failure, lactic acidosis 573–580
Heart rate
adrenaline 475–479
autonomic neuropathy 581–585
muscle activity 581–585, 593–599
Hepatectomy, cardiovascular function 573–580
Hepatic encephalopathy 247–252*
Hepatic endoplasmic reticulum 303–306
Hepatocellular carcinoma, growth characteristics in athymic mice 643–645
Hydrochlorothiazide, renal prostaglandins 407–415
Hydrogen peroxide, hydroxyl radicals 649–653
Hydroxy radicals, rheumatoid disease 649–653
18-Hydroxycorticosterone, circadian rhythm 295–301
Hypercapnia, almitrine infusion 25–31
Hypercholesterolaemia, plasma exchange 637–642
Hyperlipidaemia, lipoprotein variants 559–563*
Hypertension
α2-adrenergic receptors 265–272
baroreflexes 259–263
experimental 359–370, 463–470
Goldblatt 359–370
plasma renin 273–280
renal 141–152, 355–358, 463–470
vasopressin 377–382
Hyperthyroidism
erthrocyte sodium pumps 441–447
glucose turnover 41–47
Hypoglycaemia, autonomic reaction 49–53
Hypopituitarism, myofibrillar protein 315–320
Hypotension
orthostatic 587–591
post-adrenalectomy 371–376
Subject Index

Hypothyroidism
  glucose turnover 41–47
  nerve conduction 617–622

Immersion, sympathectomy responses 281–287
Immobilization, bone mineral content 537–540
Indocyanine green, hepatic extraction 207–212
Indomethacin, renal prostaglandins 407–415
Infant, preterm, protein turnover
Injury, protein kinetics 321–331
Inspiratory muscle function 487–495
Insulin
  blood pressure 383–386
  triglyceride metabolism 511–516
Interstinctal compliance 153–160
Intestinal absorption, peptides 433–439
Intrathoracic pressure gradient 69–78
Ionic strength, cilia beating frequency 449–451
Iron, caeruloplasmin 551–553
Iron salts, hydroxyl radicals 649–653
Isolation, cardiovascular and renal effects 377–382

Kaliuresis, frusemide 565–572
6-Ketoprostaglandin F1α, acetylsalicylic acid 395–398
Kidney
  body fluid distribution 153–160
  hypertension 141–152, 355–358, 463–470
  renal stone 399–405
  renin 463–470

Lactate, myocardial exchange 33–40
Lactic acidosis, cardiovascular system 573–580
Leucine, protein metabolism 231–233, 517–526
Leucocytes
  potassium 505–510
  purine concentrations 333–340
Lipid transport 559–563*
Lipogenesis, nicotinic acid 235–237
Lipolysis, nicotinic acid 235–237
Lipoprotein
  cholesterol 91–99
  hypercholesterolaemia 637–642
  molecular variants 559–563*
  plasma exchange 637–642
Lithium therapy, parathyroid hormone 623–627
Liver
  acidaemia 573–580
  circulation 207–212
  glycogen in abdominal surgery 109–111
  glycoprotein clearance 127–135*
  hepatectomy 573–580
  indocyanine green extraction 207–212
  progesterone binding 303–306
  Liver disease
    alcoholic cirrhosis 527–535
    biliary cirrhosis 113–116
    cirrhosis, 3-methylhistidine 243–246
    hepatic encephalopathy 247–252*
    hepatocellular carcinoma 643–648
  Loaded breathing 417–421
Lung
  haemodynamics 25–31
  hypoxaemia 213–222
  regional deposition of particles 69–78
Liver disease
  edema 474
  insulin 7–18, 19–23
Macaca fascicularis, blood volume homoeostasis 281–287
Mammary adenocarcinoma, experimental 303–306
Meclofenamate, peripheral vasculature 471–474
Mercaptans, hepatic encephalopathy 247–252*
Metabolic acidosis 573–580
Metabolic alkalosis, potassium depletion 497–504
3-Methylhistidine, cirrhosis 243–246
Methylhistidine, colorectal tumours 101–108
3-Methylhistidine, excretion in preterm infants 611–616
N′-Methylhistidine, hypopituitary children 315–320
Metoprolol, static and dynamic handgrip 593–599
Milk, human 611–616
Mitochondria, duodenal mucosal enzymes 341–347
Muscle, skeletal
  aminophylline 547–550
  hypopituitarism 315–320
  low-frequency fatigue 55–62
  mass 315–320
  pain 55–62
  wasting, glucose tolerance 601–609
Muscle, smooth, arterial 455–461
Myeloid leukaemic blast cell, erythrocyte sodium efflux 79–83
Myotonic dystrophy, glucose tolerance 601–609
Naloxone, post-adrenalectomy hypotension 371–376
Natriuresis, frusemide 565–572
Neoplasm, protein turnover 101-108
Nerve conduction 617-622
Nicotinic acid, acylglycerol metabolism 235-237
Nitrogen metabolism 101-108
Nocturnal hypoxaemia 213-222
Noradrenaline
  exercise 475-479
  static and dynamic handgrip 593-599
Oedema, cor pulmonale 117-118
Oestradiol, binding to plasma proteins
Orthostatic hypotension 587-591
Osteoporosis
  bed rest 537-540
  physical exercise 541-546
Ouabain, erythrocyte 79-83, 183-186
  6-Oxoprostaglandin E, platelet release 63-68
Oxygen saturation, obstructive pulmonary disease 213-222
Oxyntic glands, acid secretion 423-431
Pain, muscle contractions 55-62
Pancreatic juice, human 193-205
Parathyroid hormone, lithium therapy 623-627
Particles, inhalation and lung deposition 69-78
Peptides, small-intestinal absorption 433-439
Pharmacokinetic model 207-212
Phenformin, lactic acidosis 573-580
Phenols, hepatic encephalopathy 247-252*
Phenylephrine, carotid sinus radius 455-461
Pituitary gland 1-6*
Placenta artery, ADP degradation 239-241
Plasma exchange, hypercholesterolaemia 637-642
  Plasma membrane, duodenal mucosal enzymes 341-347
  Plasma proteins, sex hormone binding 307-314
  Platelets
    fatty acids 91-99
    6-oxoprostaglandin E, like substance 63-68
    plasma exchange in hypercholesterolaemia 637-642
    prostacyclin production 387-394
Posture
  heart rate 581-585
  lung particles 69-78
  vascular responses 661-662
Potassium
  depletion 497-504
  erythrocyte 167-176, 183-186
  frusemide 565-572
  hypokalaemia 167-176, 177-182
  insulin 383-386
  leucocyte 505-510
  total body 505-510
Progestosterone binding, liver 303-306
Prostacyclin
  acetylsalicylic acid 395-398
  cultured endothelial cells 387-394
Prostaglandins
  acetylsalicylic acid 395-398
  diuretics 407-415
  platelets 63-68, 91-99
  renal blood flow 471-474
Prostaglandin E, diuretics 407-415
Prostaglandin F, diuretics 407-415
Proteases, pancreatic juice 193-205
Protein
  biosynthesis 101-108
  kinetics 321-331
  purine-rich diet 399-405
  turnover 231-233, 611-616
Proteinase inhibitors, lung diseases 119-126*
Proteolysis, lung diseases 119-126*
Pulmonary emphysema 119-126*
Pupil size, hypoglycaemia 49-53
Purine
  protein-rich diet 399-405
  transport and metabolism 333-340
R3230 AC rat mammary adenocarcinoma 303-306
Radioimmunoassay, α- and β-gliadins 655-659
Receptors, hormone 1-6*
Rectum, tumours 101-108
Renal hypertension
  arterial cyclic AMP 355-358
  renin-angiotensin system 463-470
Renal stone disease, purine-rich protein diet 399-405
Renin
  acid activation 481-486
  diuretics 407-415
  epidemiology 273-280
  experimental hypertension 359-370
  inactive 481-486
  renal hypertension 463-470
  trypsin-activatable 137-140
Renin-angiotensin system, renal hypertension 463-470
Respiratory compensation, metabolic alkalosis 497-504
Respiratory fuel selection 517-526
Rheumatoid arthritis 453-454, 551-553
Rheumatoid disease, hydroxyl radicals 649-653
Saline expansion 153-160
Salivation, hypoglycaemia 49-53
Sex differences
  bilirubin conjugation 85-90
  platelet prostaglandins 63-68
Subject Index

Sex hormone binding globulin 307–314
Signal Detection Theory, inspiratory loads 417–421
Skeletal muscle see Muscle, skeletal
Small intestine, peptide absorption 433–439
Smoking, plasma renin activity 273–280
Smooth muscle see Muscle, smooth
Sodium
- excretion 463–470
- frusemide 565–572
- 18-hydroxycorticosterone 295–301
Sodium–potassium pump, erythrocyte 183–186
Spine, bone loss 537–540, 541–546
Sputum, α1-antitrypsin 223–230
Standing, heart rate 581–585
Stomach, isolated oxyntic glands 423–431
Sulphapyridine, tissue and bacterial splitting 349–354
Sulphasalazine, tissue and bacterial splitting 349–354
Sulphides, haem synthesis 187–191
Superoxide, rheumatoid disease 649–653
Supersaturation, urolithiasis 399–405
Surgery, liver glycogen 109–111
Synovial fluid, caeruloplasmin 551–553
Sweating, hypoglycaemia 49–53
Sympathetic nervous system
- cardiopulmonary afferent nerves 281–287
- thermogenesis 7–18, 19–23
Synovial fluid, rheumatoid disease 649–653
Temperature, nerve conduction 617–622
Testosterone, binding to plasma proteins 307–314
Thermogenesis, diet-induced 7–18, 19–23
Thyroid gland, failure 41–47
Thyrotoxicosis
- glucose turnover 41–47
- nerve conduction 617–622
L-Thyroxine, nerve conduction 617–622
Tilt, heart rate 581–585
Transport
- erythrocyte sodium 177–182
- intestinal 433–439
Triamterine, renal prostaglandins 407–415
Triglyceride, insulin 511–516
Triglycerides, plasma 91–99
Trypsin-activatable renin 137–140
Tyrosine kinetics 321–331
Umbilical artery, ADP degeneration 239–241
Urate, renal stone disease 399–405
Urea, excretion 101–108
Ureteric ligation, experimental hypertension 463–470
Urinary sodium 177–182
Urine
- 24 h collection 629–635
- purines 333–340
Urolithiasis, purine-rich protein diet 399–405
Uroporphyrinogen decarboxylase 187–191
Uroporphyrinogen synthase 187–191
Vagus nerve, heart rate control 581–585
Vascular endothelium, prostacyclin 387–394, 395–398
Vascular reactivity, essential hypertension 259–263
 Vasopressin
- chronic lithium therapy 623–627
- isolation-induced hypertension 377–382
- renal prostaglandins 407–415
Ventilation
- carbon dioxide 487–495
- regional 69–78
Vertebrae, bone mineral 537–540, 541–546
Viscosity, cilia beating frequency 449–451
Visual evoked responses, thyroid dysfunction 617–622
Volume regulation, sympathetic nervous system 281–287
Wheat gliadin, radioimmunoassay 655–659
Whole-body radioactivity, zinc metabolism 527–535
Xenograft, hepatocellular carcinoma 643–648
Zinc, alcoholic cirrhosis 527–535