Volume 44

AUTHOR INDEX

ABRAMS, M.E., see Love, A.H.G. et al.

ADNITT, P.I., see Frayn, K.N. et al.

AITKEN, J.M., LINDSAY, R. & HART, D. McKay. Plasma zinc in pre- and post-
menopausal women: its relationship to oestrogen therapy 91

ASTIN, T.W., see Pride, N.B. & Astin, T.W.

BAKER, L.R.I., see Grant, Anne M.S. et al.

BAKER, PATRICIA G.B. & MOTTRAM, R.F. Metabolism of exercising and resting human
skeletal muscle, in the post-prandial and fasting states 479

BAR-Khayim, Y., see Cohen, J.J. et al.

BARON, D.N., see Levin, G.E. et al.

BENNITT, B., see Ogston, D. et al.

BIRD, D.L., see Gresson, C.R. et al.

metabolism after renal transplantation 27

BODDY, K., see also Burkinshaw, L. et al.

BORDIER, PH.J., TUN CHOT, S., EASTWOOD, J.B., FOURNIER, A. & DE WARDENER, H.E.
Lack of histological evidence of vitamin D abnormality in the bones of anephric
patients 33

BOYD, A.E., see Kotchen, T.A. et al.

BROWN, J.J., see Khayyall, M. et al.

BURKINSHAW, L., COTES, J.E., BODDY, K., KING, PRISCILLA C., WOMERSLEY, J. &
DURNIN, J.V.G.A. Body potassium and fat-free mass 621

CERASI, E., see Wahren, J. et al.

CHAKRAVARTI, R.N., see Nair, C.R. et al.

CHAZAN, J.A., see Cohen, J.J. et al.

CHHUTTANI, P.N., see Nair, C.R. et al.

CHUKWEUMEKA, A.C., see Davies, C.T.M. et al.

COHEN, J.J., BAR-Khayim, Y., GARELLA, S. & CHAZAN, J.A. Chloride titration in the
dog: the influence of extracellular fluid expansion on the pattern of chloride
reabsorption 385

COLLIER, J.G., see Robinson, B.F. et al.

COOK, G.C. Comparison of absorption rates of glucose and maltose in man in vivo 425

COOKE, N.J., see King, A.J. et al.

COTES, J.E., see Burkinshaw, L. et al.

COWGER, M.L., see Nicholson, D.C. et al.

CRAMPTON, R.F., LIS, MARIA T. & MATTHEWS, D.M. Sites of maximal absorption
and hydrolysis of two dipeptides by rat small intestine in vivo 583
Cusworth, D.C., see Lester, Frances T. & Cusworth, D.C.

Datta, D.V., see Nair, C.R. et al.

Davies, C.T.M., Chukwumeke, A.C. & Van Haaren, J.P.M. Iron-deficiency anaemia: its effect on maximum aerobic power and responses to exercise in African males aged 17-40 years 555

Deller, D.J., see Gollan, J.L. & Deller, D.J.

Deodhar, S.D., see Kremer, D. et al.

Deppe, W.M., see Taljaard, J.J.F. et al.

De Wardener, H.E., see Bordier, Ph.J. et al.

Dick, W.C., see Kremer, D. et al.

Douglas, A.S., see Ogston, D. et al.

Downey, J.A. & Frewin, D.B. The effect of cold on blood flow in the hand of patients with Raynaud’s phenomenon 279

Doyle, A.E., see Geffen, L.B. et al.

Durnin, J.V.G.A., see Burkinshaw, L. et al.

Dustan, Harriet P., see Tarazi, R.C. & Dustan, Harriet P.

Eastwood, J.B., see Bordier, Ph.J. et al.

Eccleston, J.F., see Ellis, D.A. et al.

Ellis, D.A., Strickland, Jennifer M. & Eccleston, J.F. The direct interconversion of glucose and fructose in human skeletal muscle with special reference to childhood muscular dystrophy 321

Esler, M.D. & Nestel, P.J. Sympathetic responsiveness to head-up tilt in essential hypertension 213

Farebrother, M.J.B., Paredes Martinez, R., Soejima, R. & McHardy, G.J.R. The point of onset of 'airway closure' measured with argon and nitrogen: a comparison of results obtained by two methods 181

Fehling, C., Jägerstad, Margaretha, Lindstrand, K. & Westesson, Anna-Kerstin. The effect of anticonvulsant therapy upon the absorption of folates 595

Felig, P., see Wahren, J. et al.

Ferrario, C.M., see Gildenberg, P.I. et al.

Flenley, D.C., see King, A.J. et al.

Floyer, M.A., see Lucas, J. & Floyer, M.A.

Fogelman, F., see Tobert, J.A. et al.

Fournier, A., see Bordier, Ph.J. et al.

Fox, R.H., Solman, A.J., Isaacs, R., Fry, A.J. & MacDonald, I.C. A new method for monitoring deep body temperature from the skin surface 81

Francis, M.J.O., Smith, R. & Macmillan, D.C. Polymeric collagen of skin in normal subjects and in patients with inherited connective tissue disorders 429

Fraser, Patricia M., see Levin, G.E. et al.


Frewin, D.B., see Downey, J.A. & Frewin, D.B.
Fry, A.J., see Fox, R.H. et al.
Fukuchi, S., Takeuchi, T. & Torikai, T. Determination of plasma renin activity by radioimmunoassay of angiotensin I 43
Garella, S., see Cohen, J.J. et al.
Geffen, L.B., Rush, R.A., Louis, W.J. & Doyle, A.E. Plasma catecholamine and dopamine β-hydroxylase amounts in phaeochromocytoma 421
Geffen, L.B., Rush, R.A., Louis, W.J. & Doyle, A.E. Plasma dopamine β-hydroxylase and noradrenaline amounts in essential hypertension 617
Gibbs, Dorothy A. & Watts, R.W.E. The identification of the enzymes that catalyse the oxidation of glyoxylate to oxalate in the 100 000 g supernatant fraction of human hyperoxaluric and control liver and heart tissue 227
Gildenberg, P.L., Ferrario, C.M. & McCubbin, J.W. Two sites of cardiovascular action of angiotensin II in the brain of the dog 417
Gollan, J.L. & Deller, D.J. Studies on the nature and excretion of biliary copper in man 9
Gough, G., see Wharton, B.A. et al.
Grant, Anne M.S., Baker, L.R.I. & Neuberger, A. Urinary Tamm–Horsfall glycoprotein in certain kidney diseases and its content in renal and bladder calculi 377
Grant, Anne M.S. & Neuberger, A. The development of a radioimmunoassay for the measurement of urinary Tamm–Horsfall glycoprotein in the presence of sodium dodecyl sulphate 163
Greenberg, P.B., see Martin, T.J. et al.
Gross, F., see Hofbauer, K.G. et al.
Guz, A., see Jain, S.K. et al.
Harrison, B.D.W. Polycythaemia in a selected group of patients with chronic airways obstruction 563
Hart, D. McKay, see Aitken, J.M. et al.
Haslewood, G.A.D., Murphy, G.M. & Richardson, Judith M. A direct enzymic assay for 7α-hydroxy bile acids and their conjugates 95
Hendler, Rosa, see Wahren, J. et al.
Herbert, Robyn J., see Ogston, D. et al.
Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W. Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate 335
Hilton, P.J., see also Patrick, J.
Author index

HOFBAUER, K.G., ZSCHIEDRICH, H., RAUH, W. & GROSS, F. Conversion of angiotensin I into angiotensin II in the isolated perfused rat kidney 447

HOGAN, R.P., see Kotchen, T.A. et al.

IBSEN, H. & SEDERBERG-OLSEN, P. Changes in glomerular filtration rate during long-term treatment with propranolol in patients with arterial hypertension 129

ISAACS, R., see Fox, R.H. et al.

JÄGERSTAD, MARGARETHA, see Fehling, C. et al.

JAIN, S.K., TRENCARD, DIANA, REYNOLDS, FELICITY, NOBLE, M.I.M. & GUZ, A. The effect of local anaesthesia of the airway on respiratory reflexes in the rabbit 519

JOHNSON, R.H. & PARK, D.M. Effect of change of posture on blood pressure and plasma renin concentration in men with spinal transections 539

JOHNSON, R.H. & RENNIE, M.J. Changes in fat and carbohydrate metabolism caused by moderate exercise in patients with acromegaly 63

JOPLIN, G.F., see Galante, L. et al.

JOUTBERT, S.M., see Taljaard, J.J.F. et al.

KALIVAS, J., see Nicholson, D.C. et al.

KARIM, S.M.M., see Robinson, B.F. et al.

KARLSSON, J., see Kiessling, K.-H. et al.


KIESSLING, K.-H., PILSTRÔM, L., KARLSSON, J. & PIEHL, KARIN. Mitochondrial volume in skeletal muscle from young and old physically untrained and trained healthy men and from alcoholics 547


KING, PRISCILLA C., see Boddy, K. et al.; see also Burkinshaw, L. et al.


KREMER, D., DEODHAR, S.D. & DICK, W.C. A function of synovial membrane of normal and diseased humans in relation to movement of small-molecular-weight ions 611

KURTZ, A.B., see Tobert, J.A. et al.

LAWSON, D.H., see Boddy, K. et al.

LECKIE, BREnda. The activation of a possible zymogen of renin in rabbit kidney 301

LEITCH, A.G., see King, A.J. et al.

LE ROITH, D. & PIMSTONE, B.L. Bone metabolism and composition in the protein-deprived rat 305

LESTER, FRANCES T. & CUSWORTH, D.C. Lysine infusion in cystinuria: theoretical renal thresholds for lysine 99

LEVER, A.F., see Khayyall, M. et al.

LEVIN, G.E., McPHERSON, C.K., FRASER, PATRICIA M. & BARON, D.N. Long-term
variation in plasma activities of aspartate transaminase and alkaline phosphatase in health

LEWIS, D.G. & STODDART, J.C. Alternative measurements of the metabolic component of the acid–base status in acute clinical situations

LI, T.-K., see Kotchen, T.A. et al.
LIGHTMAN, S.L., see Tobert, J.A. et al.
LINDSAY, R., see Aitken, J.M. et al.
LINDSAY, R.M., see Slater, S.D. et al.
LINDSTRAND, K., see Fehling, C. et al.
LINTON, A.L., see Boddy, K. et al.
LIS, MARIA T., see Crampton, R.F. et al.
LOUIS, W.J., see Geffen, L.B. et al.
LOVE, A.H.G., ROHDE, J.E., ABRAMS, M.E. & VEALL, N. The measurement of bidirectional sodium fluxes across the intestinal wall in man using whole gut perfusion

LUCAS, J. & FLOYER, M.A. Renal control of changes in the compliance of the interstitial space: a factor in the aetiology of renoprival hypertension

LUFT, R., see Wahren, J. et al.
LUMB, G.A., see Hill, L.F. et al.

MACDONALD, I.C., see FOX, R.H. et al.
MacGREGOR, J., see Khayyall, M. et al.
MACINTYRE, I., see Galante, L. et al.
MACMILLAN, D.C., see Francis, M.J.O. et al.
MANN, J.I., WATERMEYER, G.S., MANNING, E.B., RANDLES, J. & TRUSWELL, A.S. Effects on serum lipids of different dietary fats associated with a high sucrose diet

MANNING, E.B., see Mann, J.I. et al.
MARTIN, T.J., GREENBERG, P.B. & MICHELANGELI, V. Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata

MASON, J.W., see Kotchen, T.A. et al.
MATTHEWS, D.M., see Crampton, R.F. et al.
MAWER, E.B., see Hill, L.F. et al.
McCUBBIN, J.W., see Gildenberg, P.L. et al.
MC Hardy, G.J.R., see Farebrother, M.J.B. et al.
McPherson, C.K., see Levin, G.E. et al.
MICHELANGELI, V., see Martin, T.J. et al.
MILLER, G.J., SERJEANT, G.R., SIVAPRAGASAM, S. & PETCH, M.C. Cardio-pulmonary responses and gas exchange during exercise in adults with homozygous sickle-cell disease (sickle-cell anaemia)

MOTTRAM, R.F. Forearm blood flow during and after isometric hand-grip contractions

MOTTRAM, R.F., see Baker, Patricia G.B. & Mottram, R.F.
MURPHY, G.M., see Haslewood, G.A.D. et al.

NAIR, C.R., Saha, S., CHAKRAVARTI, R.N., CHHUTTANI, P.N. & Datta, D.V. Acute alcoholic fatty liver in the Rhesus monkey
Author index

NESTEL, P.J., see Esler, M.D. & Nestel, P.J.
NEUERGGER, A., see Grant, Anne M.S. & Neuberger, A.; see also Grant, Anne M.S. et al.
Isotopic studies of the erythropoietic and hepatic components of congenital porphyria and 'erythropoietic' protoporphyria
NOBLE, M.I.M., see Jain, S.K. et al.

OGSTON, D., BENNETT, B., HERBERT, ROBYN J. & DOUGLAS, A.S. The inhibition of urokinase by alpha2-macroglobulin

PAREDES MARTINEZ, R., see Farebrother, M.J.B. et al.
PARK, D.M., see Johnson, R.H. & Park, D.M.

PATRICK, J. & HILTON, P.J. The response of the human leucocyte to alterations in extracellular osmolality

PAYNE, N.N., see Tobert, J.A. et al.

PENNOCK, C.A., see Wharton, B.A. et al.
PETCH, M.C., see Miller, G.J. et al.

PIEHL, KARIN, see Kiessling, K.-H. et al.
PILSTROM, L., see Kiessling, K.-H. et al.
PIMSTONE, B.L., see le Roith, D. & Pimstone, B.L.

PRIDE, N.B. & ASTIN, T.W. Bronchial sympathetic activity in chronic bronchitis

RAHMAN, M., see Slater, S.D. et al.

RAHMAN, M., see Slater, S.D. et al.

RandleS, J., see Mann, J.I. et al.

RAUH, W., see Hofbauer, K.G. et al.

Rennie, M.J., see Johnson, R.H. & Rennie, M.J.

REYNOLDS, FELICITY, see Jain, S.K. et al.

RICHARDSON, JUDITH M., see Haslewood, G.A.D. et al.

ROBERTSON, J.I.S., see Khayyall, M. et al.

ROBINSON, B.F., COLLIER, J.G., KARIM, S.M.M. & SOMERS, K. Effect of prostaglandins A1, A2, B1, E2 and F2 on forearm arterial bed and superficial hand veins in man

ROHDE, J.E., see Love, A.H.G. et al.

RUSH, R.A., see Geffen, L.B. et al.

SAHA, S., see Nair, C.R. et al.

SEDERBERG-OLSEN, P., see Ibsen, H. & Sederberg-Olsen, P.

SERJEANT, G.R., see Miller, G.J. et al.

SHANLEY, B.C., see Taljaard, J.J.F. et al.

SIMPSON, F.O., see Gresson, C.R. et al.

SING, HELEN C., see Kotchen, T.A. et al.

SIVAPRAGASAM, S., see Miller, G.J. et al.

SLATER, J.D.H., see Tobert, J.A. et al.

SLATER, S.D., RAHMAN, M. & LINDSAY, R.M. Renal function in chronic intravascular haemolysis associated with prosthetic cardiac valves

VII 135
135
73
457
517
367
511
Author index

SMITH, A.J., see Townshend, Mary M. & Smith, A.J.
SMITH, A.P. The effects of intravenous infusion of graded doses of prostaglandins F_2 alpha and E_2 on lung resistance in patients undergoing termination of pregnancy 17
SMITH, R., see Francis, M.J.O. et al.
SOEIMA, R., see Farebrother, M.J.B. et al.
SOLMAN, A.J., see Fox, R.H. et al.
SOMERS, K., see Robinson, B.F. et al.
STANBURY, S.W., see Hill, L.F. et al.
STODDART, J.C., see Lewis, D.G. & Stoddart, J.C.
STICKLAND, JENNIFER M., see Ellis, D.A. et al.
TAKEUCHI, T., see Fukuchi, S. et al.
TALJAARD, J.J.F., SHANLEY, B.C., JOUBERT, S.M. & DEPPE, W.M. Incorporation of [4-14C]delta-aminolaevulinate into urinary porphyrins in porphyria cutanea tarda: effect of chloroquine therapy 571
TARAZI, R.C. & DUSTAN, HARRIET P. Neurogenic participation in essential and renovascular hypertension assessed by acute ganglionic blockade: correlation with haemodynamic indices and intravascular volume 197
THOMPSON, R.P.H., see Nicholson, D.C. et al.
TORIKAI, T., see Fukuchi, S. et al.
TOWNSHEND, MARY M. & SMITH, A.J. Factors influencing the urinary excretion of free catecholamines in man 253
TRENCHARD, DIANA, see Jain, S.K. et al.
TRUSWELL, A.S., see Mann, J.I. et al.
TUN CHOT, S., see Bordier, Ph.J. et al.
TURNER, P., see Frayn, K.N. et al.

VAN HAAREN, J.P.M., see Davies, C.T.M. et al.
VEALL, N., see Love, A.H.G. et al.

WAHREN, J., FELIG, P., CERASI, E., LUFT, R. & HENDLER, ROSA. Splanchnic glucose production and its regulation in healthy monozygotic twins of diabetics 493
WATERMEYER, G.S., see Mann, J.I. et al.
WATTS, R.W.E., see Gibbs, Dorothy A. & Watts, R.W.E.
WESTESSON, ANNA-KERSTIN, see Fehling, C. et al.
WHARTON, B.A., GOUGH, G. & PENNOCK, C.A. The relationship of height and weight velocities of adolescent boys to the total hydroxyproline: creatinine ratio in their random urines 359
WILL, G., see Boddy, K. et al.
WOMERSLEY, J., see Burkinshaw, L. et al.
WOODHOUSE, N.J.Y., see Galante, L. et al.
ZSCHIEDRICH, H., see Hofbauer, K.G. et al.
Absorption of dipeptides, sites of, by rat small intestine in vivo  Crampton, D.F., Lis, M.T. & Matthews, D.M.  583–594
Acid–base status, measurement of, in acute clinical situations  Lewis, D.G. & Stoddart, J.C.  297–300
Acromegaly, metabolic changes after exercise in patients with  Johnson, R.H. & Rennie, M.J.  63–71
Adenomata, release of human parathyroid prohormone from  Martin, T.J., Greenberg, P.B. & Michelangeli, V.  1–8
Aerobic power, maximum, and response to exercise in African males with iron-deficiency anaemia  Davies, C.T.M., Chukwumeke, A.C. & van Haaren, J.P.M.  555–562
Airway, effect of local anaesthesia of, on respiratory reflexes in the rabbit  Jain, S.K., Trenchard, D., Reynolds, F., Noble, M.I.M. & Guz, A.  519–538
Airways obstruction, chronic, and polycythaemia  Harrison, D.W.  563–570
Alkaline phosphatase activity, measurement of, in plasma over long periods in healthy subjects  Levin, G.E., McPherson, C.K., Fraser, P.M. & Baron, D.N.  185–196
Anaemia, iron deficiency, and its effect on maximum aerobic power and responses to exercise in African males  Davies, C.T.M., Chukwumeke, A.C. & van Haaren, J.P.M.  555–562
Anaesthesia, local, of the airway, effect of, on respiratory reflexes in the rabbit  Jain, S.K., Trenchard, D., Reynolds, F., Noble, M.I.M. & Guz, A.  519–538
Angiotensin I, conversion of, into angiotensin II in the isolated perfused rat kidney  Hofbauer, K.G., Zschiedrich, H., Rauh, W. & Gross, F.  447–456
Angiotensin I, radioimmunoassay of, as a measure of plasma renin activity  Fukuchi, S., Takeuchi, T. & Torikai, T.  43–54
Anticonvulsant therapy, effect of, on absorption of folates  Fehling, C., Jägerstad, M., Lindstrand, K. & Westesson, A.K.  595–600
Arterial bed, of forearm, and superficial hand veins, effect of prostaglandins on Robinson, B.F., Collier, J.G., Karim, S.M.M. & Somers, K. 367–376
Aspartate transaminase activity, measurement of, in plasma over long periods in healthy subjects Levin, G.E., McPherson, C.K., Fraser, P.M. & Baron, D.N. 185–196
Bile, copper content, of, in man Gollan, J.L. & Deller, D.J. 9–15
Bile salts, determination of, with 7α-hydroxysteroid dehydrogenase Haslewood, G.A.D., Murphy, G.M. & Richardson, J.M. 95–98
Blood flow, forearm, during and after isometric contractions Mottram, R.F. 467–478
Blood flow, in the hands of patients with Raynaud’s phenomenon Downey, J.A. & Frewin, D.B. 279–289
Blood pressure, effect of postural changes on, and plasma renin concentrations in men with spinal transections Johnson, R.H. & Park, D.M. 539–546
Bone formation, effect of protein deprivation on intestinal and renal calcium transport, and collagen synthesis, in rats Le Roith, D. & Pimstone, B.L. 305–319
Bone mineralization, in anephric patients Border, Ph.J., Tun Chot, S., Eastwood, J.B., Fournier, A. & de Wardener, H.E. 33–41
Bronchitis, chronic, correspondence about bronchial sympathetic activity in Pride, N.B. & Astin, T.W. 517–518
Calcium lowering effect, of various calcitonins in patients with Paget’s disease Galante, L., Joplin, G.F., MacIntyre, I. & Woodhouse, N.J.Y. 605–610
Calcium transport, intestinal and renal, effect of protein deprivation on, and bone formation and collagen synthesis, in rats Le Roith, D. & Pimstone, B.L. 305–319
Calculi, renal and bladder, content of Tamm–Horsfall glycoprotein in Grant, A.M.S., Baker, L.R.I. & Neuberger, A. 377–384
Carbon dioxide titration curves, and measurement of acid–base status in acute clinical situations Lewis, D.G. & Stoddart, J.C. 297–300
Cardiac valves, artificial, renal function in chronic intravascular haemolysis associated with Slater, S.D., Rahman, M. & Lindsay, R.M. 511–515
Subject index

Catecholamines, plasma, and dopamine β-hydroxylase amounts in phaeochromocytoma


Chloride, plasma, regulation of concentration of


Chloride titration, as a measure of renal chloride handling in the dog


Chloroquine therapy, effect of, on incorporation of [4-14C]δ-aminolaevulinate into urinary porphyrins during porphyria cutanea tarda

Taljaard, J.J.F., Shanley, B.C., Joubert, S.M. & Deppe, W.M. 571-581

Cholecalciferol, and treatment of rats with a diphosphonate

Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W. 335-347

Collagen, abnormalities of, in several heritable disorders of connective tissue

Francis, M.J.O., Smith, R. & Macmillan, D.C. 429-438

Collagen synthesis, effect of protein deprivation on, and intestinal and renal calcium transport and bone formation in rats

Le Roith, D. & Pimstone, B.L. 305-319

Copper, metabolism and excretion of, in man

Gollan, J.L. & Deller, D.J. 9-15

Cystinuria, infusion of lysine during

Lester, F.T. & Cusworth, D.C. 99-111

Diabetics, splanchnic glucose production and its regulation in healthy monozygotic twins of

Wahren, J., Felig, P., Cerasi, E., Luft, R. & Henderer, R. 493-504

1,25-Dihydroxycholecalciferol, indirect inhibition of the biosynthesis of, in rats treated with a diphosphonate

Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W. 335-347

Disaccharides, absorption of, in the human jejunum

Cook, G.C. 425-428

Diurnal rhythm, and urinary excretion of catecholamines in man

Townsend, M.M. & Smith, A.J. 253-265

Dopamine β-hydroxylase, amount of, in plasma in essential hypertension


Dopamine β-hydroxylase, and plasma catecholamine amounts in phaeochromocytoma


Dystrophy, muscular, childhood, and interconversion of fructose and glucose


Erythrophoietic and hepatic components of congenital porphyria and erythropoietic protoporphyria, isotopic studies on


Ethane-1-hydroxy-1,1-diphosphonate, treatment of rats with, and biosynthesis of 1,25-dihydroxycholecalciferol

Hill, L.F., Lumb, G.A., Mawer, E.B. & Stanbury, S.W. 335-347

Ethanol infusion, effect of, on plasma free fatty acids and triglycerides and on hepatic triglycerides in the Rhesus monkey

Nair, C.R., Saha, S., Chakravarti, R.N., Chhuttani, P.N. & Datta, D.V. 505-510

Exchangeable sodium concentration, in genetically hypertensive rats


Exercise, effect of, on metabolism of human skeletal muscle in the fasted and fed states

Baker, P.G.B. & Mottram, R.F. 479-491
Subject index

Exercise, effect of, on metabolism of patients with acromegaly JOHNSON, R.H. & RENNIE, M.J. 63-71
Exercise, response to, and maximum aerobic power in African males with iron-deficiency anaemia DAVIES, C.T.M., CHUKWUEMEKA, A.C. & VAN HAAREN, J.P.M. 555-562
Extracellular fluid volume, expansion of, and chloride reabsorption in the dog COHEN, J., BAR-Khayim, Y., GARELLA, S. & CHAZAN, J.A. 385-395

Fasting, effect of, on metabolism of human skeletal muscle during rest and exercise BAKER, P.G.B. & MOTTRAM, R.F. 479-491
Fat-free mass and body potassium, correspondence about BURKINSHAW, L., COTES, J.E., BODDY, K., KING, P.C., WOMERSLEY, J. & DURNIN, J.V.G.A. 621-625
Fatty acids, non-esterified, plasma, effect of ethanol infusion on, in the Rhesus monkey NAIR, C.R., SAHA, S., CHAKRAVARTI, R.N., CHHUTTANI, P.N. & DATTA, D.V. 505-510
Fibrinolysis, inhibitors of OGSTON, D., BENNETT, B., HERBERT, R.J. & DOUGLAS, A.S. 73-79
Folates, effect of anticonvulsant therapy on the absorption of FEHLING, C., JAGERSTAD, M., LINDSTRAND, K. & WESTESSON, A.-K. 595-600

Gas exchange, during exercise in adults homozygous for sickle-cell disease MILLER, G.J., SERJEANT, G.R., SIVAPRAGASAM, S. & PETCH, M.C. 113-128
Glomerular filtration rate, effect of propranolol on, in hypertensive patients IBSEN, H. & SEDERBERG-OLSEN, P. 129-134
Glucose production, splanchnic, and its regulation in healthy monozygotic twins of diabetics WAHREN, J., FELIG, P., CERASI, E., LUFT, R. & HENDLER, R. 493-504
Glycylglycine, sites of absorption and hydrolysis of, by rat small intestine in vivo CRAMPTON, D.F., LIS, M.T. & MATTHEWS, D.M. 583-594
Glyoxalate oxidation, enzymes catalysing, in human hyperoxaluria GIBBS, D.A. & WATTS, R.W.E. 227-241
Growth rate, urinary hydroxyproline as a measure of, in adolescent boys WHARTON, B.A., GOUGH, G. & PENNOCK, C.A. 359-365

Haemolysis, chronic intravascular, associated with prosthetic cardiac valves, and renal function SLATER, S.D., RAHMAN, M. & LINDSAY, R.M. 511-515
Subject index


Hydrolysis of dipeptides by rat small intestine in vivo, sites of by Crampton, D.F., Lis, M.T. & Matthews, D.M. 583-594


7a-Hydroxysteroid bile acids and their conjugates, determination of, with 7a-hydroxysteroid dehydrogenase by Haslewood, G.A.D., Murphy, G.M. & Richardson, J.M. 95-98

Hyperaemia, and forearm blood flow, after isometric muscle contractions by Mottram, R.F. 467-478

Hyperoxaluria, enzymes catalysing glyoxalate oxidation in by Gibbs, D.A. & Watts, R.W.E. 227-241

Hypertension, effect of propanolol on glomerular filtration rate in patients with by Ibsen, H. & Sederberg-Olsen, P. 129-134


Hypertension, essential and renovascular, neurogenic participation in, assessed by acute ganglionic blockade by Tarazi, R.C. & Dustan, H.P. 197-212

Hypertension, essential, sympathetic response to head-up tilt in patients with by Esler, M.D. & Nestel, P.J. 213-226


Hypertension, renoprival, and renal control of changes in the compliance of the interstitial space by Lucas, J. & Floyer, M.A. 397-416


Interstitial space, renal control of changes in the compliance of by Lucas, J. & Floyer, M.A. 397-416


Intestine, rat, small, sites of absorption and hydrolysis of dipeptides by, in vivo by Crampton, D.F., Lis, M.T. & Matthews, D.M. 583-594


Isometric muscle contraction, and forearm blood flow by Mottram, R.F. 467-478

Kidney, rat, perfused, isolated, conversion of angiotensin I into angiotensin II by by Hofbauer, K.G., Zscheidrich, H., Rauh, W. & Gross, F. 447-456

Lactate dehydrogenase, and catalysis of glyoxylate oxidation in hyperoxaluria by Gibbs, D.A. & Watts, R.W.E. 227-241
Subject index

Leucocytes, human, response of, to changes in extracellular osmolality PATRICK, J. & HILTON, P.J. 457-465


Lipids, serum, effect of different dietary fats associated with a high sucrose diet on MANN, J.I., WATERMEYER, G.S., MANNING, E.B., RANDELS, J. & TRUSWELL, A.S. 601-604

Liver, as site of insulin sensitivity in healthy monozygotic twins of diabetics and normal controls WAHREN, J., FELIG, P., CERASI, E., LUFT, R. & HENDLER, R. 493-504

Lung resistance, effect of prostaglandins on, during termination of pregnancy SMITH, A.P. 17-25

Lysine, infusion of, in cystinuria LESTER, F.T. & CUSWORTH, D.C. 99-111

Macroglobulin, α₂, an inhibitor of urokinase OGSTON, D., BENNETT, B., HERBERT, R.J. & DOUGLAS, A.S. 73-79

Maltose, absorption of, in the human jejunum COOK, G.C. 425-428

Metabolism, fat and carbohydrate, changes of, in patients with acromegaly, after exercise JOHNSON, R.H. & Rennie, M.J. 63-71

Metabolism, in human skeletal muscle during rest and exercise in the fed and fasted states BAKER, P.G.B. & MOTT RAM, R.F. 479-491


Mitochondrial volume in skeletal muscle from alcoholics and normals and young and old, effect of training on KIESSLING, K.-H., PILSTRÖM, L., KARLSSON, J. & PIEHL, K. 547-554

Muscle, skeletal, effect of training on mitochondrial volume in, of normals and alcoholics and young and old KIESSLING, K.-H., PILSTRÖM, L., KARLSSON, J. & PIEHL, K. 547-554

Myocardial infarction, effect of, on the diurnal rhythm of catecholamine excretion TOWNSEND, M.M. & SMITH, A.J. 253-265


Nephrectomy, and bone mineralization BORDIER, Ph.J., TUN CHOT, S., EASTWOOD, J.B., FOURNIER, A. & DE WARDENER, H.E. 33-41

Neurogenic participation in essential and renovascular hypertension, assessment of, by acute ganglionic blockade TARAZI, R.C. & DUSTAN, H.P. 197-212

Normal variation, of plasma enzyme activities in healthy subjects over long periods of time LEVIN, G.E., MCPHERSON, C.K., FRASER, P.M. & BARON, D.N. 185-196

Oestrogen therapy, effect of, on zinc concentration in plasma from women AITKEN, J.M., LINDSAY, R. & HART, D. MCKAY 91-94

Osmolality, extracellular, effect of change of, on the human leucocyte PATRICK, J. & HILTON, P.J. 457-465


Parathyroid hormone, human, biosynthesis of Martin, T.J., Greenberg, P.B. & Michel-Angeli, V. 1–8
Polycythaemia, in patients with chronic airways obstruction Harrison, D.W. 563–570
Porphyria cutanea tarda, effect of chloroquine therapy on incorporation of [4-14C]δ-aminolevulinate into urinary porphyrins during Taljaard, J.J.F., Shanley, B.C., Joubert, S.M. & Deppe, W.M. 571–581
Porphyrrins, urinary, effect of chloroquine therapy on incorporation of [4-14C]δ-aminolevulinate into, during porphyria cutanea tarda Taljaard, J.J.F., Shanley, B.C., Joubert, S.M. & Deppe, W.M. 571–581
Posture, effect of changes of, on blood pressure and plasma renin concentrations in men with spinal transections Johnson, R.H. & Park, D.M. 539–546
Potassium, body, and fat-free mass, correspondence about Burkinshaw, L., Cotes, J.E., Boddy, K., King, P.C., Womersley, J. & Durnin, J.V.G.A. 621–625
Pregnancy, termination of, by prostaglandins, and their effect on lung resistance Smith, A.P. 17–25
Propranolol, effect of, on glomerular filtration rate in hypertensive patients Ibsen, H. & Søderberg-Olsen, P. 129–134
Prostaglandins, effect of, on forearm arterial bed and superficial hand veins Robinson, B.F., Collier, J.G., Karim, S.M.M. & Somers, K. 367–376
Prostaglandins, effect of, on lung resistance during termination of pregnancy Smith, A.P. 17–25
Protein deprivation, effect of, on intestinal and renal calcium transport, bone formation and collagen synthesis in rats Le Roith, D. & Pimstone, B.L. 305–319
Raynaud's phenomenon, effect of cold on blood flow in the hands of patients with Downey, J.A. & Frewin, D.B. 279-289

β-Receptor blocking agent, and triglyceride accumulation after ethanol infusion in the Rhesus monkey Nair, C.R., Saha, S., Chakravarti, R.N., Chhuttani, P.N. & Datta, D.V. 505-510

Renal control, of changes in interstitial space compliance, and the etiology of renoprival hypertension Lucas, J. & Florey, M.A. 397-416

Renal failure, chronic, and urinary Tamm–Horsfall glycoprotein Grant, A.M.S., Baker, L.R.I. & Neuberger, A. 377-384

Renal function, in chronic intravascular hemolysis associated with prosthetic cardiac valves Slater, S.D., Rahman, M. & Lindsay, R.M. 511-515

Renal threshold, for lysine Lester, F.T. & Cusworth, D.C. 99-111


Renin, activation of a possible zymogen of, in rabbit kidney Leckie, B. 301-304

Renin concentration, plasma, effect of postural changes on, and blood pressure in men with spinal transections Johnson, R.H. & Park, D.M. 539-546

Renin, plasma activity of, measured by radioimmunoassay of angiotensin I Fukuchi, S., Takeuchi, T. & Torikai, T. 43-54


Renin substrate, non-effect of a converting enzyme inhibitor on the vasoconstrictor effect induced by, in isolated perfused rat kidney Hofbauer, K.G., Zscheidrich, H., Rauh, W. & Gross, F. 447-456


Respiratory reflexes in the rabbit, effect of local anaesthesia on Jain, S.K., Trenchard, D., Reynolds, F., Noble, M.I.M. & Guz, A. 519-538


Skeletal muscle, human, metabolism of, during rest and exercise in the fed and fasted states Baker, P.G.B. & Mottram, R.F. 479-491

Skeletal muscle, human, uptake of glucose by, in vitro Frayn, K.N., Adnitt, P.I. & Turner, P. 55-62

Subject index

Sodium, flux rates of, in human leucocytes in an artificial extracellular fluid  

Spinal transections, effect of postural changes on blood pressure and plasma renin concentrations in men with  
Johnson, R.H. & Park, D.M.  539–546

Sympathetic activity, reflex, in response to head-up tilt in patients with essential hypertension  
Esler, M.D. & Nestel, P.J.  213–226

Synovial membrane, anion transport in  
Kremer, D., Deodhar, S.D. & Dick, W.C.  611–615

Tamm–Horsfall glycoprotein, radioimmunoassay of, in urine, in the presence of sodium dodecyl sulphate  
Grant, A.M.S. & Neuberger, A.  163–179

Tamm–Horsfall glycoprotein, urinary, in certain kidney diseases  
Grant, A.M.S., Baker, L.R.I. & Neuberger, A.  377–384

Temperature, body, deep, measurement of, transcutaneously  

3,3’-Tetramethyleneglutarate, inhibition by, of fructose formation in muscular dystrophy  

Tilt, head-up, effect of, on sympathetic reflex activity in patients with essential hypertension  
Esler, M.D. & Nestel, P.J.  213–226

Transection, spinal, see Spinal transection

Transport of anions, in the synovial membrane  
Kremer, D., Deodhar, S.D. & Dick, W.C.  611–615

Triglycerides, plasma and hepatic and plasma free fatty acids, effect of ethanol infusion on, in the Rhesus monkey  
Nair, C.R., Saha, S., Chakravarti, R.N., Chhuttani, P.N. & Datta, D.V.  505–510

Urokinase, inhibition of, by $\alpha_2$-macroglobulin  
Ogston, D., Bennett, B., Herbert, R.J. & Douglas, A.S.  73–79

Veins, hand, superficial, and forearm arterial bed, effect of prostaglandins on  

Vitamin D, no evidence for abnormality of, in anephric patients  
Bordier, Ph.J., Tun Chot, S., Eastwood, J.B., Fournier, A. & de Wardener, H.E.  33–41

Werner’s syndrome, stability of collagen in patients with  

Zinc, concentration of, in plasma, from pre- and post-menopausal women, and effect of oestrogen therapy  
Aitken, J.M., Lindsay, R. & Hart, D. McKay  91–94

Zymogen, possible, of renin, activation of, in rabbit kidney  
Leckie, B.  301–304