CONTENTS

VOL. 64, No. 1  JANUARY 1983

Guidance for Authors  i–x

Editorial Review: The role of pituitary gonadotrophin-releasing hormone receptors in the physiological regulation of gonadotrophin secretion. R. N. CLAYTON  1–6


Myocardial exchanges of glutamate, alanine and citrate in controls and patients with coronary artery disease. A. R. THOMASSEN, T. T. NIelsen, J. P. BAGGER and P. HENNINGSSEN  33–40


Cholinergic manifestations of the acute autonomic reaction to hypoglycaemia in man. R. J. M. CORRALL, B. M. FRIER, N. MCD. DAVIDSON, W. M. HOPKINS and E. B. FRENCH  49–53


Effects of myeloid leukaemic blast cell extract on sodium transport in human erythrocytes. M. A. MIR  79–83

Sex differences of hepatic conjugation of bilirubin determine its maximal biliary excretion in non-anaesthetised male and female rats. M. MURACA, JAN DE GROOTE and J. FEVERY  85–90

The influence of different types of ω3 polyunsaturated fatty acids on blood lipids and platelet function in healthy volunteers. T. A. B. SANDERS and F. ROSHANAI  91–99

Whole-body protein turnover before and after resection of colorectal tumours. R. E. GLASS, E. B. FERN and P. J. GARLICK  101–108

Short Communications

Changes in liver glycogen and glycolytic intermediates during abdominal surgery in man. G. M. HALL, CELINE TRAYNOR and J. L. PATERSON  109–111


Correspondence Section

Contents

VOL. 64, No. 2    FEBRUARY 1983

Editorial Review: Proteolytic enzymes, their inhibitors and lung diseases. R. A. STOCKLEY...

Editorial Review: Hepatic clearance of serum glycoproteins. I. G. MCFARLANE...

Trypsin-activatable inactive renin in rat plasma. N. GLORIOSO, P. MADEDDU, P. DESSI-FULGHERI, G. FOIS, F. MELONI, F. BANDIERA, G. TONOLO and A. RAPPELLI...

Development of hypertension in renal disease. J. BROD, J. BAHLMANN, M. CACHOVAN and P. PRETSCHNER...


Cerebral blood flow and cerebral metabolism in normal and intrauterine growth retarded neonatal piglets. P. A. FLECKNELL, R. WOOTTON and MURIEL JOHN...

Erythrocyte sodium and potassium in patients with hypokalaemia, M. CUMBERBATCH and D. B. MORGAN...

Effect of hypokalaemia on the ouabain-sensitive sodium transport and the ouabain-binding capacity in human erythrocytes. E. J. RUBYTHON and D. B. MORGAN...


Changes in haem synthesis associated with occupational exposure to organic and inorganic sulphides. R. TENHUNEN, H. SAVOLAINEN and P. JÄPPINEN...

Characterization of pure human pancreatic juice: cobalamin content, cobalamin-binding proteins and activity against human R binders of various secretions. R. CARMEL, S. B. ABRAMSON and I. G. RENNER...

Clearance and non-invasive determination of the hepatic extraction of indocyanine green in baboons and man. S. L. GRAINGER, P. W. N. KEELING, I. M. H. BROWN, J. H. MARIGOLD and R. P. H. THOMPSON...

Nocturnal hypoxaemia in chronic obstructive pulmonary disease. J. R. STRADLING and D. J. LANE...

The interaction of cigarette smoke solution with α1-antitrypsin: effect on inhibitory capacity, electrophoretic mobility and immunological measurement. R. A. STOCKLEY and S. C. AFFORD...

SHORT COMMUNICATIONS


Effect of nicotinic acid on acylglycerol metabolism in human adipose tissue. P. ARNER and J. ÖSTMAN...

Adenosine diphosphate-degrading activity in placenta. M. BARRADAS, M. KHOKHER, R. HUTTON, I. L. CRAFT and P. DANDONA...

CORRESPONDENCE SECTION

A dissenting view of the significance of 3-methylhistidine excretion in cirrhotic patients. M. J. RENNIE, D. J. MILLWARD, D. HALLIDAY and K. LUNDHOLM...

MEDICAL RESEARCH SOCIETY (Meeting 6 and 7 January 1983)

Communications 1p–74p


Baroreflex function after therapy withdrawal in patients with essential hypertension. R. CARRETTA, B. FABRIS, G. BELLINI, LAURA TONUTTI, GABRIELLA BATTILANA, ANNA BIANCHETTI and LUCIANO CAMPANACCI 259–263


The epidemiology of plasma renin. T. W. MEADE, J. D. IMESON, D. GORDON and W. S. PEART 273–280

The role of cardiopulmonary sympathetic afferents in blood volume homoeostasis in the non-human primate. K. G. CORNISH and J. P. GILMORE 281–287

The reliability of the carbon dioxide-rebreathing, indirect Fick method of cardiac output determination in patients with pulmonary disease. R. I. STEWART and C. M. LEWIS 289–293

Effects of dietary sodium on circadian rhythm and physiological responses of 18-hydroxycorticosterone. J. R. SOWERS, V. I. MARTIN and F. W. J. BECK 295–301

The effect of experimental rat tumours on progesterone binding in the host liver. G. FEUER and J. A. KELLEN 303–306

Binding of testosterone and oestradiol to sex hormone binding globulin, human serum albumin and other plasma proteins: evidence for non-specific binding of oestradiol to sex hormone binding globulin. M. J. IQBAL, MAUREEN DALTON and R. S. SAWERS 307–314

Growth hormone-induced changes in myofibrillar protein breakdown in hypopituitary children. F. J. BALLARD, J. L. BURGOYNE, T. M. TOMAS and J. L. PENFOLD 315–320


Mucosal enzyme activities, with special reference to enzymes implicated in bicarbonate secretion, in the duodenum of rats with cysteamine-induced ulcers. D. STIEL, D. J. MURRAY and T. J. PETERS 341–347


SHORT COMMUNICATION

Elevated arterial cyclic AMP levels during the onset of renal hypertension in rats. R. E. CHATELAIN 355–358

VOL. 64, No. 4 APRIL 1983

The importance of the renin–angiotensin system in the development and maintenance of hypertension in the two-kidney one-clip hypertensive rat. J. J. MORTON and ELISABETH C. H. WALLACE 359–370

Post-adrenalectomy hypotension in rats; absence of baroreflex resetting or effect of naloxone. S. M. GARDINER and T. BENNETT 371–376

The cardiovascular and renal responses to short-term isolation in Brattleboro rats. S. M. GARDINER and T. BENNETT 377–382

The presence in normal plasma, serum and platelets of factors that stimulate the production of prostacyclin (PGI₂) by cultured endothelial cells. J. M. Seid, P. B. B. Jones and R. G. G. Russell 387–394


A Signal Detection Theory analysis of the effect of chest cage restriction upon the detection of inspiratory resistive loads. P. G. Narbed, D. Marcer, J. B. L. Howell and E. Spencer 417–421


Changes in the number and activity of sodium pumps in erythrocytes from patients with hyperthyroidism. E. J. Rubython, M. Cumberbatch and D. B. Morgan 441–447

SHORT COMMUNICATIONS

Effect of pH, viscosity and ionic-strength changes on ciliary beating frequency of human bronchial explants. C. K. Luk and M. J. Dulfano 449–451


VOL. 64, No. 5 MAY 1983

The effect of phenylephrine upon arterial pressure, carotid sinus radius and baroreflex sensitivity in the conscious greyhound. R. C. Peveler, D. H. Bergel, J. L. Robinson and P. Sleight 455–461


Dose-dependent effects of meclofenamate on peripheral vasculature of conscious rabbits. R. A. Banks, L. J. Beilin and J. Soltys 471–474

A comparison of the bronchodilator and vasopressor effects of exercise levels of adrenaline in man. J. B. Warren and N. Dalton 475–479

Reversible acid activation of amniotic fluid inactive renin. R. C. Franks, F. Bodola, R. D. Renthal and R. H. Hayashi 481–486

Role of impaired inspiratory muscle function in limiting the ventilatory response to carbon dioxide in chronic airflow obstruction. H. R. Gribbin, I. T. Gardiner, G. J. Heinz III, G. J. Gibson and N. B. Pride 487–495

Development of the respiratory compensation to progressive metabolic alkalosis resulting from potassium depletion in conscious rats. P. Girard, M. Brun-Pascaud and J.-J. Pocidaló 497–504


Effects of ingested steak and infused leucine on forelimb metabolism in man and the fate of the carbon skeletons and amino groups of branched-chain amino acids. M. ELIA and G. LIVESEY 517–526


Vertebral bone loss: an unheeded side effect of therapeutic bed rest. B. KRØLNER and B. TOFT 537–540

Physical exercise as prophylaxis against involutional vertebral bone loss: a controlled trial. B. KRØLNER, B. TOFT, S. PORS NIENSEN and E. TØNDEVOLD 541–546

SHORT COMMUNICATIONS


Intravenous ethanol can provide bronchodilatation in asthma. J. G. AYRES and T. J. H. CLARK 555–557

VOL. 64, No. 6 JUNE 1983


Response to repeated frusemide administration on low chloride and low sodium intake in the rat. T. KHAN, A. M. KAUFMAN and F. L. MAC-MOUNE 565–572


Do elderly patients with an excessive fall in blood pressure on standing have evidence of autonomic failure? B. J. ROBINSON, R. H. JOHNSON, D. G. LAMBIE and KAREN T. PALMER 587–591

Haemodynamic responses to static and dynamic handgrip before and after autonomic blockade. S. F. LEWIS, W. F. TAYLOR, B. C. BASTIAN, R. M. GRAHAM, W. A. PETTINGER and C. G. BLOMQVIST 593–599

Influence of muscle wasting on oral glucose tolerance testing. R. T. MOXLEY, R. C. GRIGGS, G. B. FORBES, D. GOLDBLATT and KATHERINE DONOHUE 601–609

The effects of human milk and low-protein formulae on the rates of total body protein turnover and urinary 3-methylhistidine excretion of preterm infants. P. B. PENCHARZ, L. FARRI and A. PAPAGEORGIOU 611–616

Central and peripheral nerve conduction in thyroid dysfunction: the influence of L-thyroxine therapy compared with warming upon the conduction abnormalities of primary hypothyroidism. R. J. ABBOTT, B. P. O’MALLEY, D. B. BARNETT, L. TIMSON and F. D. ROSENTHAL 617–622


The use of 4-aminobenzoic acid as a marker to validate the completeness of 24 h urine collections in man. SHEILA BINGHAM and J. H. CUMMINGS 629–635
Platelet function and lipoprotein levels after plasma exchange in patients with familial hypercholesterolaemia. G. Brook, G. Winterstein and M. Aviram 637–642


Formation of hydroxyl radicals from hydrogen peroxide and iron salts by superoxide- and ascorbate-dependent mechanisms: relevance to the pathology of rheumatoid disease. D. A. Rowley and B. Halliwell 649–653

A radioimmunoassay for α- and β-gliadins. P. J. Ciclitira and E. S. Lennox 655–659

Correspondence Section

Assessment of vascular responses to postural change. A. C. Dornhorst 661–662