Editorial Review: Thyroid-stimulating hormone: Neuroregulation and clinical applications. M. F. Scanlon, B. Rees Smith and R. Hall 1–10

Renin release from renin granules in the dog. S. Funakawa, T. Higashio and K. Yamamoto 11–14


Blood alcohol and impairment of judgment. J. E. F. Pohl 57–61


Determinants of high blood pressure in salt-deprived renal hypertensive rats: role of changes in plasma volume, extracellular fluid volume and plasma angiotensin II. A. J. Mourant 81–87

Catecholamines in peripheral venous plasma in patients on chronic haemodialysis. B. P. McGrath, J. G. G. Ledingham and C. R. Benedict 89–96

Gastric ulcers with and without associated duodenal ulcer have different pathophysiology. S. K. Lam and C. L. Lai 97–102


Impaired skeletal muscle vasomotor response to infused noradrenaline in baboons with obstructive jaundice. L. Bomzon, P. B. Wilton and T. A. McCalden 109–112

Effects of concentration-polarization on the filtration of proteins through filters constructed from isolated renal basement membrane. T. G. Cotter and G. B. Robinson 113–119

Short Communications

Parallel changes between lipoprotein lipase activating capacity and lipid concentrations in the serum of rats and ferrets during development and dietary manipulation. A. Cryer and H. J. Jones 121–123

Editorial Review: Thyroid-stimulating hormone: Neuroregulation and clinical applications (Part 2). M. F. SCANLON, B. REES SMITH and R. HALL

Metabolism of intact and desialylated α1-antitrypsin. E. A. JONES, J. VERGALLA, C. J. STEER, P. R. BRADLEY-MOORE and J. M. VIERLING

Biphasic changes in thymus structure during evolving renal hypertension. R. E. CHATELAIN and C. M. FERRARIO

Analytical subcellular fractionation and studies on enterocytes from the jejunum and ileum of the rat and some properties of brush-border alkaline phosphatase. R. M. BATT and T. J. PETERS

Urinary dopamine in man and rat: effects of inorganic salts on dopamine excretion. S. G. BALL, N. S. OATES and M. R. LEE

Effect of varying PCO₂ on intracellular pH and lactate consumption in the isolated perfused rat liver. P. G. BARON, R. A. ILES and R. D. COHEN

Mechanism of the effect of varying PCO₂ on gluconeogenesis from lactate in the perfused rat liver. R. A. ILES, P. G. BARON and R. D. COHEN


Intestinal absorption and tissue retention of cadmium and calcium in normal adult rats and rats given an active metabolite of vitamin D (1,25-dihydroxycholecalciferol). R. LORENTZON and S.-E. LARSSON

Galactose and hepatic metabolism in malnutrition and sepsis in man. G. ROYLE, M. G. W. KETTLEWELL, V. ILIC and D. H. WILLIAMSON

Peptide excretion in experimental Fanconi syndrome in the rat. A. M. ASATOOR, M. R. BENDING and M. D. MILNE


SHORT COMMUNICATION

Post-mortem migration of bone-seeking radionuclides in the rat and rabbit and its effect on estimates of bone uptake. P. TOTHILL and J. N. MACPHERSON


A comparison of methods for measurement of rectal potential difference in man: effects of rectal infusion of amiloride. F. MOHAMED, P. MCSORLEY and D. J. WARREN

Effects of the β-receptor antagonists propranolol, oxprenolol and labetalol on human vascular smooth-muscle contraction. R. F. W. MOULDS, R. A. JAUERNIG, J. D. HOBSON and J. SHAW


Contents

Partial characterization of aortic renin in the spontaneously hypertensive rat and its interrelationship with plasma renin, blood pressure and sodium balance. J. D. Barrett, P. Eggena and M. P. Sambhi 261–270

Effect of unconjugated and conjugated phenol and uraemia on the synthesis of adenosine 3':5'-cyclic monophosphate in rat brain homogenates. G. A. Turner and E. N. Wardle 271–275


Analytical subcellular fractionation of jejunal biopsy specimens: enzyme activities, organelle pathology and response to corticosteroids in patients with non-responsive coeliac disease. T. J. Peters, P. E. Jones, W. J. Jenkins and G. Wells 293–300

Vasopressin effects on plasma renin activity in male and female rats. I. W. Henderson, R. J. Balment and J. A. Oliver 301–307

The respiratory response to inhaled carbon dioxide in man after 3 hours exposure to 3% carbon dioxide. K. Prowse, C. Duvivier, R. Peslin and P. Sadoul 309–316

SHORT COMMUNICATION

The distribution of cardiac output in the anaesthetized spontaneously hypertensive rat. C. R. Hiley and M. S. Yates 317–320

MEDICAL RESEARCH SOCIETY (Meeting on 7 and 8 July 1978)

Communications 1p–31p

Vol. 55, No. 4 October 1978


Excretion of urea by the foetal guinea pig. J. Horn 329–333

Effect of prolactin on glomerular filtration rate. A. L. Riley, T. C. Hagen and J. E. Stefanaik 335–339

Effect of acute ethanol administration on liver oxidative capacity in rats. L. A. Videla 341–347


Age-dependent difference of kidney response to temporary ischaemia in the rat. J. Kuneš, K. Čapek, J. Stejskal and J. Jelínek 365–368

Identification of a delivery-related influence on proximal tubular reabsorption during expansion with hyperoncotic albumin in the rat. J. F. Donohoe, G. S. Lefavour, S. Correll and F. J. Gennari 369–376

Hepatic elimination of renin in man. B. Hesse, E. Damgaard Andersen and H. Ring-Larsen 377–382

Changes in hepatic enzymes and organelles in alcoholic liver disease. C. A. Seymour and T. J. Peters 383–389

Effects of chronic renal insufficiency and metabolic acidosis on glutamine metabolism in man. A. Tizianello, G. De Ferrari, G. Garibotto and G. Gurreri 391–397

Adenine and adenosine metabolism in intact erythrocytes deficient in adenosine mono-
phosphate–pyrophosphate phosphoribosyltransferase: a study of two families.

SHORT COMMUNICATION

Tracing the fate of oxygen consumed during phagocytosis by human neutrophils with
\( ^{15}O_2 \). A. W. SEGAL, J. CLARK and A. C. ALLISON 413–415

Vol. 55, No. 5 November 1978

Analytical subcellular fractionation studies on different cell types isolated from normal rat liver. C. SELDEN, A. M. WOOTON, D. W. MOSS and T. J. PETERS 423–427
The effects of prednisolone on the rat enterocyte at a subcellular level. R. M. BATT, G. WELLS and T. J. PETERS 435–443
Comparison of cardiac output determined by a carbon dioxide-rebreathing and direct Fick method at rest and during exercise. T. REYBROUCK, A. AMERY, L. BILLIET, R. FAGARD and H. STIJNS 445–452
The nature of hepatic cytochrome P-450 induced in hexachlorobenzene-fed rats. G. H. BLEKKENHORST, L. EALES and N. R. PIMSTONE 461–469
The effect of vibration on blood flow in skeletal muscle in the rabbit. O. HUDLICKÁ and A. WRIGHT 471–476
Haemodynamic variables during repeated exercise in chronic lung disease. F. SCHRIJEN and V. JEŽEK 485–490
Propranolol and the ventilatory response to hypoxia and hypercapnia in normal man. J. M. PATRICK, J. TUTTY and S. B. PEARSON 491–497
Evidence for an hepatic anti-ketogenic effect of insulin in man. R. S. ELKELES, R. A. CHALMERS and J. HAMBLEY 499–504

SHORT COMMUNICATIONS

Small-intestinal changes induced by an elemental diet (Vivonex) in normal rats. L. M. ELSON, H. A. CARMICHAEL, R. I. RUSSEL and F. D. LEE 509–511

Vol. 55, No. 6 December 1978

Editorial Review: The isolated perfused rat kidney. B. D. ROSS 513–521
The retention of lung secretions during the night in normal subjects. J. R. M. BATEMAN, D. PAVIA and S. W. CLARKE 523–527
Albumin/globulin ratios, colloid osmotic pressures and LOWRY protein microanalysis in rat plasma. D. WELLER, S. AZAR, M. A. JOHNSON and M. AZAR 529–532
Contents

Assessment of early and delayed responses in vitamin B₁₂ absorption during antibiotic therapy in tropical malabsorption. A. M. TOMKINS, T. SMITH and S. G. WRIGHT 533–539


Acute effects of diuretics on potassium exchange, mechanical function and the action potential in rabbit myocardium. P. A. POOLE-WILSON, S. M. COBBE and C. H. FRY 555–559


The formation of tri-iodothyronine and reverse tri-iodothyronine from thyroxine in isolated rat renal tubules. P. HEYMA, R. G. LARKINS, J. R. STOCKIGT and D. G. CAMPBELL 567–572

SHORT COMMUNICATION

Hypoxanthine–guanine phosphoribosyltransferase activity in blood and skeletal muscles of normal and dystrophic mice. J. S. NEERUNJUN, J. ALLSOP and V. DUBOWITZ 573–576

CORRECTION

Control of enzymatically inactive renin in man under various pathological conditions: implications for the interpretation of renin measurements in peripheral and renal venous plasma

By F. H. M. DERKX, G. J. WENTING, A. J. MAN IN ’T VELD, R. P. VERHOEVEN and M. A. D. H. SCHALEKAMP

Volume 54 (1978)

p. 533, Fig. 3(b), abscissa:

for $-5,0,5,10,15,20$ read $-25,0,25,50,75,100$