CONTENTS

VOL. 60, No. 1  JANUARY 1981

Guidance for Authors  i–x

Editorial Review: Pulmonary oedema. J. Butler  1–4

Effect of morphine on limb capacitance and resistance vessels. R. A. Cohen and J. D. Coffman  5–9

Influence of breath holding at total lung capacity on maximal expiratory flow measurements. T. Higenbottam and T. J. H. Clark  11–15

Comparison of ventilation/perfusion lung-imaging and dead-space measurements in airway disease. M. I. M. Noble, F. Langley, M. Buckman, P. Vernon, A. Seed, R. Jewkes, A. Bisdee and G. Cumming  17–23


The effect of prolonged administration of propranolol and timolol on the growth and the heart of growing rabbits. K. L. Evemy, P. Cummins and W. A. Littler  33–40

Renin in the mouse kidney has a molecular weight of 40000. K. Poulsen and A. H. Nielsen  41–46

Clearance of fibrin from glomeruli. Renal cortical fibrinolytic response after thromboplastin infusion in the rat. A. Sanchez-Ibarrola, S. Qazzaz and P. Naish  47–53


Direct measurement of hepatic extraction of bile acids in subjects with and without liver disease. I. T. Gilmore and R. P. H. Thompson  65–72

Impaired lipoprotein lipase activation by uraemic and post-transplant sera. G. A. Crawford, J. F. Mahony and J. H. Stewart  73–80

Effect of a long-term fat-modified diet on serum lipoprotein levels of cholesterol and triglyceride in patients on home haemodialysis. V. J. Wass, R. J. Jarrett, V. Meilton, M. K. Start, M. Mattock, C. S. Ogg and J. S. Cameron  81–86

The turnover of plasma glucose and free fatty acids in vivo after portacaval anastomosis and chronic underfeeding in the rat. G. S. Sarna, V. J. Cunningham, Sheron Tucker and Jill E. Cremer  87–93

A comparison of the effects of intravenous infusion of individual branched-chain amino acids on blood amino acid levels in man. S. Eriksson, L. Hagenfeldt and J. Wahren  95–100


Simple method of assessing splenic function in coeliac disease. G. R. Corazza, A. W. Bullen, R. Hall, P. J. Robinson and M. S. Losowsky  109–113

Passive permeability in experimental intestinal damage in rats. I. Cobden, Jill Rothwell and A. T. R. Axon  115–118
<table>
<thead>
<tr>
<th>Contents</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Editorial Review: Tropical malabsorption: recent concepts in pathogenesis and nutritional significance. A. Tomkins</td>
<td>131–137</td>
<td></td>
</tr>
<tr>
<td>Role of sensory nerves in the cardiovascular and respiratory changes with isometric forearm exercise in man. G. Duncan, R. H. Johnson and D. G. Lambie</td>
<td>145–155</td>
<td></td>
</tr>
<tr>
<td>Cardiovascular and autonomic reflexes in haemodialysis patients. R. B. Naik, C. J. Mathias, C. A. Wilson, J. L. Reid and D. J. Warren</td>
<td>165–170</td>
<td></td>
</tr>
<tr>
<td>Tubular handling of phosphate along the nephron of thyroparathyroidectomized rats injected with ethane-1-hydroxy-1,1-diphosphonate. R. C. Mühl Bauer, J.-P. Bonjour and H. Fleisch</td>
<td>171–177</td>
<td></td>
</tr>
<tr>
<td>Human saliva and semen: evidence for proteins common to both which do not occur in serum. P. D. Eckersall and J. A. Beeley</td>
<td>179–184</td>
<td></td>
</tr>
<tr>
<td>No functional difference of the two iron-binding sites of human transferrin in vitro. C. Van der Heul, M. J. Kroos, W. L. Van Noort and H. G. Van Eijk</td>
<td>185–190</td>
<td></td>
</tr>
<tr>
<td>Purification and characterization of kallikrein from plasma of patients with acute pancreatitis. Naotika Toki, Hiroyuki Sumi and Sumiyoshi Takasugi</td>
<td>199–205</td>
<td></td>
</tr>
<tr>
<td>Hepatic organelle pathology in primary biliary cirrhosis and the response to low-dose D-penicillamine therapy. J. Scott, W. Jenkins, G. P. Smith and T. J. Peters</td>
<td>207–212</td>
<td></td>
</tr>
<tr>
<td><strong>Short Communications</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effect of head-up tilt on subcutaneous blood flow during the course of acute myocardial infarction. K. Skagen</td>
<td>213–216</td>
<td></td>
</tr>
<tr>
<td>Effect of acute and chronic alcohol ingestion on the rate of folate catabolism and hepatic enzyme induction in mice. D. Kelly, B. Reed, D. Weir and J. M. Scott</td>
<td>221–224</td>
<td></td>
</tr>
<tr>
<td>Immunological responses to training in conditioned runners. P. G. Hanson and D. K. Flaherty</td>
<td>225–228</td>
<td></td>
</tr>
<tr>
<td>Development of a technique for measuring the oxidation rate of a 14C-labelled substrate from 14CO₂ production without the need for collection of expired air. M. B. Clague, M. J. Keir and P. D. Wright</td>
<td>233–235</td>
<td></td>
</tr>
</tbody>
</table>
Comparison of the appearance of radiolabelled vitamin D₃ and 25-hydroxy-vitamin D₃ in the chylomicron fraction of plasma after oral administration in man. JULIET E. COMPSTON, ANNE L. MERRETT, F. G. HAMMETT and P. MAGILL 241–243

CORRESPONDENCE SECTION

Hydrogen ion balance in exercise. R. D. COHEN and R. A. ILES 245–246


Radioimmunoassay of human cardiac tropomyosin in acute myocardial infarction. P. CUMMINS, B. MCGURK and W. A. LITTLE 251–259


Lipid peroxidation in iron-overloaded spleens. A. D. HEYS and T. L. DORMANDY 295–301


Total body potassium in relation to thyroid hormones and hyperthyroidism. C. J. EDMONDS and T. SMITH 311–318


SHORT COMMUNICATIONS


Identification of N-monoacetylcystine in uraemic plasma. F. GEJYO, G. ITO and Y. KINOSHITA 331–334

Total body-glucose turnover in normal and intra-uterine growth-retarded neonatal piglets. P. A. FLECKNELL, R. WOOTTON and MURIEL JOHN 335–338


MEDICAL RESEARCH SOCIETY (Meeting on 16 and 17 January 1981) Communications 1P–32P


The role of histamine receptors in asthma. NOEMI M. EISER, JANE MILLS, P. D. SNASHALL and A. GUZ 363–370

Cardiac function in chronic bronchitis: effects of pacing and plasma expansion. H. VALETTE, B. RAFFESTIN and A. LOCKHART 371–375


Effect of the converting-enzyme inhibitor SQ 14 225 (captopril) in early one-kidney, one-clip hypertension in the rat. R. VANDONGEN, ANNE TUNNEY and PATRICIA MARTINEZ 387–392


Effect of chronic and acute changes in sodium balance on the urinary excretion of prostaglandins E\textsubscript{2} and F\textsubscript{2\alpha} in normal man. M. RATHAUS, E. PODJARNY, E. WEISS, M. RAVID, SARA BAUMINGER and J. BERNHEIM 405–410


Role of the malate–aspartate shuttle in renal sodium transport in the rat. B. ROSS, PATRICIA SILVA and SARAH BULLOCK 419–426

Effect of parathyroid hormone on bicarbonate secretion in the guinea-pig stomach and the amphibian isolated gastric mucosa. G. FLEMSTRÖM and A. GARNER 427–433


Effect of chronic dietary potassium depletion and repletion on cardiac and skeletal muscle structure, electrolytes and pH in the rabbit. R. J. C. HALL and I. R. CAMERON 441–449


SHORT COMMUNICATIONS

The effect of respiratory muscle fatigue on respiratory sensations. S. C. GANDEVIA, K. J. KILLIAN and E. J. M. CAMPBELL 463–466

Inner medullary osmolality and sodium concentration are decreased in rats during escape from DOCA-induced salt retention. R. DÜRING, R. WILKE, A. KÖRBER, D. KLINGMÜLLER and H. J. KRAMER 467–469
Contents

VOL. 60, NO. 5  MAY 1981


Renin response to volume contraction and indomethacin in spontaneously hypertensive rats.
J. L. CANGIANO, CARMEN RODRIGUEZ-SARGENT, L. NASCIMENTO and M. MARTINEZ-MALDONADO 479–482


Serial estimations of carbon monoxide diffusing capacity in intrapulmonary haemorrhage. A. P. GREENING and J. M. B. HUGHES 507–512

The contribution of upper airway and inspiratory muscle mechanisms to the detection of pressure changes at the mouth in normal subjects. S. C. GANDEVIA, K. J. KILLIAN and E. J. M. CAMPBELL 513–518


The effect of combined ischaemia and acidosis on lactate uptake and gluconeogenesis in the perfused rat liver. R. A. ILES, R. D. COHEN and P. G. BARON 537–542

The effect of adrenaline on hepatic lactate uptake in the acidotic partially ischaemic rat liver. R. A. ILES, R. D. COHEN, P. G. BARON, J. A. SMITH and R. M. HENDERSON 543–548


Relations between sodium transport and sodium concentration in human erythrocytes in health and disease. M. CUMBERBATCH and D. B. MORGAN 555–564

Deamination of adenosine 5′-phosphate and adenosine as a possible source of ammonia in human and bovine parotid glands. Z. BEREZNOWSKI, A. STANKIEWICZ and W. MAKAREWICZ 565–569

Age-related decrease in cardiac and peripheral vascular responsiveness to isoprenaline: studies in normal subjects. P. VAN BRUMMELEN, F. R. BÜHLER, W. KIOWSKI and F. W. AMANN 571–577


SHORT COMMUNICATIONS

The effect of aging on β-adrenoceptor-stimulated cyclic AMP formation in human lymphocytes. C. A. KRAFT and C. M. CASTLEDEN 587–589

Captopril combined with thiazide lowers renin substrate concentration: implications for methodology in renin assays. S. RASMUSSEN, M. DAMKJAER NIELSEN and J. GIESE 591–593
Contents

Effects of rest, exercise and warming on serum creatine kinase levels in primary hypothyroidism. B. P. O'MALLEY, T. J. DAVIES and F. D. ROSENTHAL 595–597

VOL. 60, NO. 6  JUNE 1981


The relative amounts of the collagen chains α1(I), α2 and α1(III) in the skin of 31 patients with osteogenesis imperfecta. M. K. O. FRANCIS, K. J. WILLIAMS, B. C. SYKES and R. SMITH 617–623


Properties of a renin inhibitor isolated from the pig kidney cortex. G. A. SAGNELLA and W. S. PEAPE 639–651


The effects of sustained lung inflation on the pattern of breathing in man. S. B. PEARSON and J. R. HEATH 667–674

Systemic and forearm haemodynamic and metabolic effects of racemic propranolol or d-propranolol in healthy subjects. O. J. HARTLING, T. LYSBO SVENDSEN and J. TRAP-JENSEN 675–679

Metabolism of antithrombin III in cirrhosis and carcinoma of the liver. VIVIAN CHAN, C. L. LAI and T. K. CHAN 681–688

Pubertal induction of sweat gland activity. J. REES and S. SHUSTER 689–692

Normal urinary protein composition in the female Wistar rat and its relationship to the proteinuria induced by intraperitoneal bovine albumin. GILLIAN M. LAWRENCE and D. B. BREWER 693–702

SHORT COMMUNICATIONS

Effect of haemorrhage on renin concentration in superficial and deep venous outflows of the cat kidney. SUSAN M. JONES and J. TORRETTI 703–706

Differential toxicity and pharmacokinetics of sodium and Tris salts of 5-fluorouracil in the rat. JANE A. PLUMB and M. L. G. GARDNER 707–710