<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subcellular fractionation studies on hepatic tissue from a patient with Pompe’s disease (type II glycogen-storage disease).</td>
<td>T. J. PETERS, W. JENKINS and V. DUBOWITZ</td>
<td>7–12</td>
</tr>
<tr>
<td>nitrogen-balance and whole-body nitrogen turnover.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. J. THRELFALL, D. W. YATES, R. N. BARTON and D. F. HEATH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Absorption of artificial effusions from synovial joints: an experimental study in rabbits.</td>
<td>J. R. LEVICK</td>
<td>41–48</td>
</tr>
<tr>
<td>The effects of treatment with insulin on serum high-density-lipoprotein cholesterol in rats with streptozotocin-induced diabetes.</td>
<td>P. N. DURRINGTON and W. P. STEPHENS</td>
<td>63–66</td>
</tr>
<tr>
<td>Interaction of conventional and antikaliuretic diuretics with the renal prostaglandin system.</td>
<td>H. J. KRAMER, R. DÜSING, B. STINNESBECK, W. PRIOR, ANGELA BÄCKER, JUTTA EDEN, K. KIPNOWSKI, K. GLÄNZER and F. KRUCK</td>
<td>67–70</td>
</tr>
</tbody>
</table>

**SHORT COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interaction of conventional and antikaliuretic diuretics with the renal prostaglandin system.</td>
<td>H. J. KRAMER, R. DÜSING, B. STINNESBECK, W. PRIOR, ANGELA BÄCKER, JUTTA EDEN, K. KIPNOWSKI, K. GLÄNZER and F. KRUCK</td>
<td>75–77</td>
</tr>
<tr>
<td>The effects of treatment with insulin on serum high-density-lipoprotein cholesterol in rats with streptozotocin-induced diabetes.</td>
<td>P. N. DURRINGTON and W. P. STEPHENS</td>
<td>85–91</td>
</tr>
<tr>
<td>Transvascular albumin flux and the interstitial water volume in experimental pulmonary oedema in dogs.</td>
<td>J. S. PRICHARD, B. RAJAGOPALAN and G. DE J. LEE</td>
<td>105–113</td>
</tr>
</tbody>
</table>
Contents

Ventilatory pattern and drive after acute myocardial infarction. H. Clarke, S. Dhingra and N. R. Anthonisenn 115–121

Effect of neonatal sympathectomy with 6-hydroxydopamine on reactivity of the renin–angiotensin system in spontaneously hypertensive rats. A. R. Sinaiko, M. J. Cooper and B. L. Mirkin 123–129


SHORT COMMUNICATIONS

Conventional haemodialysis and ultrafiltration: effects on erythrocyte 2,3-diphosphoglycerate and oxygen affinity in patients with uraemia. G. Severini, A. Giuliani, D. Maffi and N. Cerulli 143–145

Failure to demonstrate renal uptake of labelled platelets in chronic glomerulonephritis. R. J. Rigby, A. A. Driedger, B. D. Reid, R. M. Lindsay, A. L. Linton and W. F. Clark 147–150

Vol. 59, No. 3 September 1980

Editorial Review: Nitrous oxide and the cobalamin. I. Chanarin 151–154


SHORT COMMUNICATIONS

Importance of the cyclic AMP concentration for the rate of lipolysis in human adipose tissue. P. Arner and J. Ostman 199–201

Cholesterol and bile acid metabolism in obesity. Barbro Leijd 203–206

Myocardial electrical instability after abrupt withdrawal of long-term administration of propranolol to guinea pigs. S. C. Dennis, A. S. Manning, D. J. Hearse and D. J. Coltart 207–209

$\Delta$-Methylhistidine excretion and myofibrillar protein breakdown in patients receiving intravenous or enteral nutrition. I. B. Holbrook, E. Gross, P. J. Milewski, K. Shipley and M. H. Irving 211–214

MEDICAL RESEARCH SOCIETY (Meeting on 11 and 12 July 1980) Communications 1P–31P
**Contents**

Vol. 59, No. 4  
October 1980

---

**Editorial Review:** Collagen and disorders of bone. R. Smith  
215–223

**Editorial Review:** Nuclear magnetic resonance—a ‘magnetic eye’ on metabolism. J. R. Griffiths and R. A. Iles  
225–230

---

Effect of propranolol on heart rate, blood pressure and plasma noradrenaline during coitus in the rabbit. D. Gordon, S. A. Roddis and P. S. Seaver  
231–236

237–243

245–250

Renin release during head-up tilt occurs independently of sympathetic nervous activity in tetraplegic man. C. J. Mathias, N. J. Christensen, H. L. Frankel and W. S. Peart  
251–256

Determination of circulating 25,26-dihydroxycholecalciferol in man by radioimmunoassay. L. J. Fraher, T. L. Clemens, S. E. Papopoulos, J. Redel and J. L. H. O’Riordan  
257–263

Demonstration by a rosette-forming technique of surface receptors for low-density lipoproteins on lymphoblastoid cells. A. J. Valente, C. J. Morris and K. W. Walton  
265–273

275–283

---

**Short Communications**

Kinetics of uptake of lysine and lysyl-lysine by hamster jejenum in vitro. D. Burstvon, E. Taylor and D. M. Matthews  
285–287

Propionate enhancement of acetoacetate oxidation in perfused rat hearts. B. Revsin Lanier, J. Lebowitz and G. Morrow III  
289–292

293–296

Renin precursor from mouse kidney identified by cell-free translation of messenger RNA. K. Poulsen, J. Vuust and T. Lund  
297–299

---

**Correspondence Section**

Data handling and interpretation of intestinal transport kinetics. G. L. Atkins and M. L. G. Gardner  
301–305

Some comments on a paper of D. E. H. Llewelyn. A. F. M. Smith  
305–309

Vol. 59, No. 5 November 1980

---

**Editorial Review:** The modelling of drug response. B. Whiting and A. W. Kelman  
311–315

---

Speed of onset of adaptive mucosal hypoplasia and hypofunction in the intestine of parenterally fed rats. C. A. Hughes and R. H. Dowling  
317–327
Speed of change in pancreatic mass and in intestinal bacteriology of parenterally fed rats. C. A. HUGHES, A. PRINCE and R. H. DOWLING 329–336

Subcellular distribution of low- and high-molecular-weight renin and its relation to a renin inhibitor in pig renal cortex. G. A. SAGNELLA, P. R. B. CALDWELL and W. S. PEART 337–345

Baroreflex sensitivity changes during the development of Goldblatt two-kidney one-clip hypertension in rats. J. V. JONES and J. S. FLORAS 347–352


Plasma high-density lipoprotein metabolism in subjects with primary hypertriglyceridaemia: altered metabolism of apoproteins AI and AII. S. N. RAO, P. J. MAGILL, N. E. MILLER and B. LEWIS 359–367


Short Communications

Enzyme inhibitors for renin assay in rat plasma. I. TIKKANEN, F. FYHRQUIST and L. PUUTULA-RÄSÄNEN 381–383


Deficit of trabecular and cortical bone in elderly women with fracture of the femoral neck. U. ELASSER, R. HESP, L. KLENERMAN and R. WOOTTON 393–395


The demonstration of sialic acid in kidney stone matrix. R. A. MELICK, K. J. QUELCH and M. RHODES 401–404

Vol. 59, No. 6 December 1980

Editorial Review: HLA-B27 and the link with rheumatic diseases: recent developments. R. W. EBRINGER 405–410

Evidence in vivo for a circulating natriuretic substance in rats after expanding the blood volume. CATHERINE A. KNOCK and H. E. DE WARDENER 411–421

Further evidence in vivo for a circulating natriuretic substance after expanding the blood volume in rats. CATHERINE A. KNOCK 423–433

The intrarenal regulation of sodium excretion in the dog. A. NIZET, J. DEHENEFFE and M. ROBIN 435–441

Haemodynamic and hormone responses to acute and chronic frusemide therapy in congestive heart failure. H. IKRAM, W. CHAN, E. A. ESPINER and M. G. NICHOLLS 443–449

Evidence that the acute hypotensive effect of catopril in dogs is not wholly explained by a reduction of plasma angiotensin II and its direct vasoconstrictor effect. M. TREE and J. J. MORTON 451–456


The effect of age on the pharmacokinetics of diazepam. A. F. Macklon, M. Barton, O. James and M. D. Rawlins 479–483

Regional lung function in bilateral diaphragmatic paralysis. T. C. Amis, G. Ciofetta, J. M. B. Hughes and L. Loh 485–492

SHORT COMMUNICATIONS


Ambulant blood pressure: reproducibility and the assessment of interventions. S. Mann, M. W. Millar Craig, V. Balasubramanian, P. M. M. Cashman and E. B. Raftery 497–500

The effect of the methionine enkephalin analogue DAMME on the vasopressin response to tilt in man. S. L. Lightman and Mary L. Forsling 501–503


CORRESPONDENCE SECTION

Accidental hypothermia and rewarming in dogs. E. L. Lloyd 513–514