

CONTENTS

VOL. 45, No. 1

JULY 1973

Protective effect of frusemide in acute tubular necrosis and acute renal failure. R. R. BAILEY, R. NATALE, D. I. TURNBULL and A. L. LINTON	1
Vasopressor-induced natriuresis and altered intrarenal haemodynamics in cirrhotic man. R. A. GUTMAN, A. W. FORREY, W. P. FLEET and R. E. CUTLER	19
A study of intravascular coagulation in immune complex glomerulonephritis by use of ¹³¹ I-labelled fibrinogen and ¹²⁵ I-labelled antigen. E. N. WARDLE	35
Measurement of concentrations of angiotensin I in human blood by radioimmunoassay. M. A. WAITE	51
Studies on the blood fibrinolytic system in congestive cardiac failure. J. M. RAWLES, D. OGSTON and A. S. DOUGLAS	65
The relationship between body fluid compartment volumes, renin activity and blood pressure in chronic renal failure. J. R. E. DATHAN, D. B. JOHNSON and F. J. GOODWIN	77
Impairment of phenylalanine hydroxylation in chronic renal insufficiency. G. A. YOUNG and F. M. PARSONS	89
The ventilatory response to hypoxia during exercise in cyanotic congenital heart disease. M. R. H. TAYLOR	99
Oxygen consumption in children with congenital diseases of the heart. C. T. KAPPAGODA, P. GREENWOOD, F. J. MACARTNEY and R. J. LINDEN	107
Plasma renin activity, plasma angiotensin and plasma and urinary electrolytes in normal and toxæmic pregnancy, including a prospective study. R. D. GORDON, E. M. SYMONDS, E. G. WILMSHURST and C. G. K. PAWSEY	115

SHORT COMMUNICATION

Effect of low-density lipoprotein preparations on plasmin. ROBYN J. HERBERT, B. BENNETT and D. OGSTON	129
---	-----

CORRESPONDENCE SECTION

The nature and excretion of biliary copper in man. K. O. LEWIS and J. L. GOLLAN	133
---	-----

MEDICAL RESEARCH SOCIETY (Meeting on 11 May 1973)

Demonstrations	1P
Communications	1P

VOL. 45, No. 2

AUGUST 1973

Determination of leg blood flow during exercise in man: an indicator-dilution technique based on femoral venous dye infusion. J. WAHREN and L. JORFELDT	135
Factors affecting plasma clearance of [¹⁴ C]cholic acid in patients with cirrhosis. M. D. KAYE, J. E. STRUTHERS, JR, J. S. TIDBALL, ELIZABETH DENIRO and F. KERN, JR	147

Plasma noradrenaline and adrenaline in patients with thyrotoxicosis and myxoedema. N. J. CHRISTENSEN	163
Plasma volume decrease and elevated Evans Blue disappearance rate in essential hyper- tension. MILOS ULRYCH	173
Synthesis and release of parathyroid hormone by a renal carcinoma in cell culture. P. B. GREENBERG, T. J. MARTIN and HELEN S. SUTCLIFFE	183
The urinary excretion of 1-methylimidazole-4-acetic acid, a histamine metabolite, by healthy and asthmatic children. HAZEL THOM, JOYCE E. RICHARDSON and R. G. MITCHELL	193
Intestinal absorption of stereoisomers of dipeptides in the rat. A. M. ASATOOR, AMRIT CHADHA, M. D. MILNE and D. I. PROSSER	199
The inactivation by carbenoxolone of individual human pepsinogens and pepsins. N. B. ROBERTS and W. H. TAYLOR	213
Histamine metabolism in human gastric mucosa. H. DENCKER, G. KAHLSON, INGER KOCKUM, C. NORRYD and ELSA ROSENGREN	225
Retention of a single oral massive dose of vitamin A. SHEILA M. PEREIRA and ALMAS BEGUM	233
A comparison of the ventilatory response to carbon dioxide by steady-state and re- breathing methods during metabolic acidosis and alkalosis. R. A. F. LINTON, P. A. POOLE-WILSON, R. J. DAVIES and I. R. CAMERON	239
SHORT COMMUNICATIONS	
Triiodothyronine concentration in cord and maternal sera at term. C. J. EASTMAN, J. M. CORCORAN, A. JEQUIER, R. P. EKINS and E. S. WILLIAMS	251
Altered bile acid metabolism during treatment with phenobarbitone. N. E. MILLER and P. J. NESTEL	257
Rapid dehydration as a measure of the ability of the kidney to concentrate the urine: comparison with the Pitressin-dehydration test. K. G. KOUTSAIMANIS and P. R. W. TASKER	263
VOL. 45, No. 3	SEPTEMBER 1973
Left ventricular function in chronic obstructive pulmonary disease with and without cardiac failure. V. JEŽEK and F. SCHRIJEN	267
Peripheral vascular and sweat-gland reflexes in diabetic neuropathy. H. K. GOADBY and C. B. B. DOWNMAN	281
Intestinal transport of two dipeptides containing the same two neutral amino acids in man. D. B. A. SILK, D. PERRETT and M. L. CLARK	291
The effect of conjugated and unconjugated bile acids on water and electrolyte absorption in the human jejunum. R. I. RUSSELL, J. G. ALLAN, V. P. GERSKOWITCH and K. M. COCHRAN	301
The lipids and lipoproteins of human peripheral lymph, with observations on the transport of cholesterol from plasma and tissues into lymph. D. REICHL, L. A. SIMONS, N. B. MYANT, J. J. PFLUG and G. L. MILLS	313

Circadian variation in plasma iron concentration and reticuloendothelial iron release in the rat. S. R. LYNCH, MONICA SIMON, T. H. BOTHWELL and R. W. CHARLTON	331
Maximum motor nerve conduction velocity in XYY males. M. O. WRIGHT	337
Studies of the pathogenesis of idiopathic oedema: the roles of postural changes in plasma volume, plasma renin activity, aldosterone secretion rate and glomerular filtration rate in the retention of sodium and water. D. H. P. STREETEN, T. G. DALAKOS, M. SOUMA, H. FELLERMAN, G. V. CLIFT, F. E. SCHLETTER, C. T. STEVENSON and P. J. SPELLER	347
Prediction of the physiological dead-space in resting normal subjects. E. A. HARRIS, MARY E. HUNTER, EVE R. SEELYE, MARGARET VEDDER and R. M. L. WHITLOCK (Errata, p. xviii)	375
Carbohydrate metabolism in patients with primary hepatocellular carcinoma. A. I. VINIK and W. POOLER	387
Polymorphonuclear leucocytosis and lymphopenia in acute renal failure and metabolic acidosis in the rat. D. SIMON and R. G. LUKE	397
SHORT COMMUNICATIONS	
Bile acid synthesis in the developing sheep liver. R. A. SMALLWOOD, P. JABLONSKI and J. MCK. WATTS	403
Some aspects of pulmonary function after rapid saline infusion in healthy subjects. J. V. COLLINS, G. M. COCHRANE, JANE DAVIS, S. R. BENATAR and T. J. H. CLARK (Errata, p. xviii)	407
A comparison of double-isotope derivative and radioimmunological estimation of plasma aldosterone concentration in man. R. FRASER, SHEENA GUEST and JESSIE YOUNG	411
MEDICAL RESEARCH SOCIETY (Meeting on 29 June 1973)	
Demonstrations	9P
Symposium: Obesity	9P
Communications	12P
VOL. 45, No. 4	OCTOBER 1973
Interrelationships between blood pressure, renin, renin substrate and blood volume in terminal renal failure. M. A. D. H. SCHALEKAMP, M. P. A. SCHALEKAMP-KUYKEN, M. DE MOOR-FRUYTIER, TH. MEININGER, D. J. VAANDRAGER-KRANENBURG and W. H. BIRKENHÄGER	417
The plasma kinin-forming system in labour. M. MALOFIEJEV	429
The respiratory response to chronic metabolic alkalosis and acidosis in disease. C. VAN YPERSELE DE STRIHOU and A. FRANS	439
The bioassay of human endogenous pyrogen. E. S. ALLISON, W. I. CRANSTON, G. W. DUFF, R. H. LUFF and M. D. RAWLINS	449
Studies on the pathogenesis of fever in renal carcinoma. W. I. CRANSTON, R. H. LUFF, D. OWEN and M. D. RAWLINS	459
Free water clearance in patients with essential hypertension. E. J. DORHOUT MEES and H. DE GRAAF	469

Hepatic synthesis of transcobalamin II in the rat. J. M. ENGLAND, A. S. TAVILL and I. CHANARIN	479
The potentiation of platelet aggregation and adhesion by heparin <i>in vitro</i> and <i>in vivo</i> . C. THOMSON, C. D. FORBES and C. R. M. PRENTICE	485
Urinary excretion of water and electrolytes in normal females during the follicular and luteal phases of the menstrual cycle: the effect of posture. OWEN M. EDWARDS and R. I. S. BAYLISS	495
Influence of albumin on the hepatic uptake of unconjugated bilirubin. J. R. BLOOMER, P. D. BERK, J. VERGALLA and N. I. BERLIN	505
Influence of albumin on the extravascular distribution of unconjugated bilirubin. J. R. BLOOMER, P. D. BERK, J. VERGALLA and N. I. BERLIN	517
The effect of ethanol on the cough reflex. H. BERKOWITZ, J. REICHEL and C. SHIM	527
Relationship between plasma cortisol and peak expiratory flow rate in exercise-induced asthma and the effect of sodium cromoglycate. P. JAFFE, P. KÖNIG, O. IJADUOLA, S. WALKER and S. GODFREY	533
The effect of simulated metabolic acidosis on intracellular pH and lactate metabolism in the isolated perfused rat liver. M. H. LLOYD, R. A. ILES, B. R. SIMPSON, J. M. STRUNIN, J. M. LAYTON and R. D. COHEN	543
Turnover of cholesteryl esters in plasma low-density and high-density lipoproteins in familial hyperbetalipoproteinaemia. N. B. MYANT, S. BALASUBRAMANIAM, C. D. MOUTAFIS, M. MANCINI and JOAN SLACK	551
SHORT COMMUNICATIONS	
The effects of pre-existing loads upon detection of externally applied resistances to breathing in man. D. I. MCCLOSKEY	561
Suppression of plasma renin by atherogenic levels of serum cholesterol in rabbits. D. J. CAMPBELL, S. L. SKINNER and A. J. DAY	565
VOL. 45, No. 5	
NOVEMBER 1973	
A specific increase in cardiovascular reactivity related to sodium retention in DOCA-salt-treated rats. G. J. DUSTING, G. S. HARRIS and M. J. RAND	571
Plasma lipid and lipoprotein abnormalities in patients with malabsorption. GILBERT R. THOMPSON and J. PAUL MILLER	583
Relationships between ion and water movement in the human jejunum, ileum and colon during perfusion with bile acids. D. L. WINGATE, E. KRAG, H. S. MEKHJIAN and S. F. PHILLIPS	593
Radioimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. T. P. JOWETT, J. D. H. SLATER, R. D. PIYASENA and R. P. EKINS (Errata, p. xviii)	607
The absorption of the diastereoisomers of 5-methyltetrahydropteroylglutamate in man: a carrier-mediated process. D. G. WEIR, J. P. BROWN, D. S. FREEDMAN and J. M. SCOTT	625

A comparative study on the metabolism of human insulin and porcine proinsulin in man. P. H. SÖNKSEN, CHRISTINE V. TOMPKINS, M. C. SRIVASTAVA and J. D. N. NABARRO	633
The rate of sickling of cells containing sickle-cell haemoglobin. M. W. RAMPLING and J. A. SIRs	655
Spontaneous denaturation as a possible initial step in the breakdown of serum albumin <i>in vivo</i> . K. WALLEVIK	665
Glucose tolerance and metabolic changes in human viral hepatitis. C. O. RECORD, K. G. M. M. ALBERTI, D. H. WILLIAMSON and R. WRIGHT	677
Generation of angiotensin II at peripheral vascular level: studies using angiotensin II antisera. J. D. SWALES and H. THURSTON	691
Central and peripheral mechanisms in the maintenance of experimental hypertension in the rabbit. JOHN L. REID, PETER J. LEWIS and COLIN T. DOLLERY	701
SHORT COMMUNICATIONS	
Plasma porphyrin concentrations in porphyria cutanea tarda. M. R. MOORE, G. G. THOMPSON, B. R. ALLEN, J. A. A. HUNTER and SHEENA PARKER	711
Absorption of amino acids from an amino acid mixture simulating casein and a tryptic hydrolysate of casein in man. D. B. A. SILK, T. C. MARRS, JILL M. ADDISON, D. BURSTON, M. L. CLARK and D. M. MATTHEWS	715
CORRESPONDENCE SECTION	
Splanchnic glucose production and its regulation in healthy monozygotic twins of diabetics. R. B. TATTERSALL, D. A. PYKE, J. WAHREN, P. FELIG, E. CERASI, R. LUFT and ROSA HENDLER	721
VOL. 45, No. 6	
DECEMBER 1973	
Plasma catecholamines during sustained isometric exercise. S. KOZŁOWSKI, Z. BRZEZINSKA, K. NAZAR, W. KOWALSKI and M. FRANCZYK	723
Renal vascular responses to dopamine: haemodynamic and angiographic observations in normal man. N. K. HOLLENBERG, D. F. ADAMS, P. MENDELL, H. L. ABRAMS and J. P. MERRILL	733
Studies on the mechanism of aldosterone-induced hypertension in man. A. DISTLER, H. J. JUST and TH. PHILIPP	743
Renal handling of calcium, magnesium, inorganic phosphate and hydrogen ions during prolonged exposure to elevated carbon dioxide concentrations. S. P. GRAY, J. E. W. MORRIS and C. J. BROOKS	751
Studies on sweating in clinical and experimental thyrotoxicosis. JUDITH A. ALLEN, DAPHNE C. LOWE, I. C. RODDIE and W. F. M. WALLACE	765
Decreased ouabain-sensitive adenosine triphosphatase activity in the erythrocyte membrane of patients with chronic renal disease. C. H. COLE	775
The effect of ethinyloestradiol on calcium and phosphorus metabolism of post-menopausal women with primary hyperparathyroidism. J. C. GALLAGHER and R. WILKINSON	785

The hydrolysis of glycine oligopeptides by guinea-pig intestinal mucosa and by isolated brush borders. T. J. PETERS	803
The mechanism of the entry of dye into neutrophils in the Nitroblue Tetrazolium (NBT) test. A. W. SEGAL and A. J. LEVI	817
The effect of protein loads on plasma amino acid levels. T. PALMER, MARY A. ROSSITER, B. LEVIN and V. G. OBERHOLZER	827
The effects of therapeutic decrease in packed cell volume on the responses to exercise of patients with polycythaemia secondary to lung disease. B. D. W. HARRISON, JANE DAVIS, R. G. MADGWICK and MARION EVANS	833
Intestinal absorption of dipeptides containing glycine, phenylalanine, proline, β -alanine or histidine in the rat. D. J. BOULLIN, R. F. CRAMPTON, CHRISTINE E. HEADING and D. PELLING	849
SHORT COMMUNICATION	
Maximum bicarbonate response to intravenous infusion of 'GIH' secretin in man. L. V. GUTIERREZ and J. H. BARON	859
CORRESPONDENCE SECTION	
Measurements of the metabolic component of the acid-base status in acute clinical situations. C. T. KAPPAGODA, R. J. LINDEN, H. M. SNOW, J. B. STOKER, D. G. LEWIS and J. C. STODDART	863
Body potassium and fat-free mass. F. P. MULDOWNNEY, K. BODDY, PRISCILLA C. KING, J. WOMERSLEY and J. V. G. A. DURNIN	865
SUPPLEMENT NO. 1	AUGUST 1973
Proceedings of the Second Meeting of the International Society of Hypertension, Milan, 20-23 September 1972	
The First Volhard Lecture: Franz Volhard, 1872-1972. Sir GEORGE PICKERING	1s
Studies on hypertension in spontaneously hypertensive rats. KOZO OKAMOTO, YUKIO YAMORI, SHOICHIRO NOSAKA, AKIRA OOSHIMA and FUMITADA HAZAMA	11s
Studies on the New Zealand strain of genetically hypertensive rats. F. O. SIMPSON, E. L. PHELAN, D. W. J. CLARK, D. R. JONES, C. R. GRESSON, D. R. LEE and D. L. BIRD	15s
Blood pressure and ageing; results of a 15-17 year follow-up study in South Wales. W. E. MIALL and SUSAN CHINN	23s
Longitudinal change in blood pressure in individuals, families and social groups. BENJAMIN C. JOHNSON, THOMAS M. KARUNAS and FREDERICK H. EPSTEIN	35s
Early consequences of screening for hypertension in a community. RONALD J. PRINEAS, W. B. STEPHENS and R. R. H. LOVELL	47s
Genetic ecology of hypertension. RICARDO CRUZ-COKE, HUGO DONOSO and RADEK BARRERA	55s
The organization of a multi-centre randomized control therapeutic trial for mild to moderate hypertension. W. S. PEART	67s

European working party on high blood pressure in elderly (EWPHE): organization of a double-blind multicentre trial on antihypertensive therapy in elderly patients. A. AMERY and A. DE SCHAEPDRIJVER	71s
A new look at the treatment of severe hypertension. PRISCILLA KINCAID-SMITH, P. FANG and M. C. LAVER	75s
Results of medical versus surgical treatment of renovascular hypertension. W. S. PEART	89s
Results of surgical treatment in comparison with medical treatment of renovascular hypertension. K. OWEN	95s
Effect of high-salt, high-carbohydrate, low-protein diet on hypertension in the rat. HIDEO UEDA	99s
An epidemiological study of hypertension. TAKESHI KIMURA	103s
Long-term study of relationships between blood pressure, age and body weight in steelmill workers. M. ULRYCH, J. TAUBER and A. P. SHAPIRO	107s
Electrolytes, environment and blood pressure. H. G. LANGFORD and ROBERT L. WATSON	111s
Importance of central catecholaminergic neurones in the development and maintenance of renal hypertension. P. J. LEWIS, J. L. REID, J. P. CHALMERS and C. T. DOLLERY	115s
Sympathetic activity and essential hypertension. W. J. LOUIS, A. E. DOYLE, S. N. ANAVEKAR and K. G. CHUA	119s
Reversibility of baroreceptor adaptation in chronic hypertension. HELIO CESAR SALGADO and EDUARDO MOACYR KRIEGER	123s
Sympathetic activity in peripheral nerves of normo- and hypertensive subjects. B. G. WALLIN, W. DELIUS and K.-E. HAGBARTH	127s
Cardiovascular responses to acute mental 'stress' in spontaneously hypertensive rats. B. FOLKOW, MARGARETA HALLBÄCK and LILIAN WEISS	131s
The hypertensive role of the kidney in spontaneously hypertensive rats. G. BIANCHI, U. FOX, G. F. DI FRANCESCO, U. BARDI and MARIA RADICE	135s
The thymus of spontaneously hypertensive rats: light- and electron-microscopic studies. J. M. ROJO-ORTEGA, E. YEGHIAYAN and J. GENEST	141s
Systemic haemodynamics in mild arterial hypertension before and after physical training. R. SANNERSTEDT, H. WASIR, R. HENNING and L. WERKÖ	145s
Importance of the adrenergic nervous system in the support of cardiac function in patients with primary arterial hypertension. M. GUAZZI, A. POLESE, C. FIORENTINI and F. MAGRINI	151s
Haemodynamic and blood volume studies in long-term haemodialysis patients, and in patients with successfully transplanted kidneys. J. TUCKMAN, J.-L. BENNINGER and F. REUBI	155s
Treatment of hypertension with large doses of the β -adrenergic blocking drug oxyprenolol, alone, and in combination with the vasodilatator dihydralazine. J. TUCKMAN, F. MESSERLI and J. HODLER	159s
Hypotensive effect of oxyprenolol in mild hypertension: a co-operative controlled study. G. MUIESAN, M. MOTOLESE and A. COLOMBI	163s
The effect of practolol ('Eraldin') in the long-term treatment of severe and moderate hypertension. R. M. FULTON, E. HILDA FULTON and K. G. GREEN	167s
Clinical and pharmacokinetic studies of minoxidil, a new antihypertensive agent. CHARLES A. CHIDSEY	171s

The effect of oral diazoxide on hypertension and sodium excretion in chronic renal failure. H. THURSTON, J. E. F. POHL and J. D. SWALES	175s
Blood pressure over-shoot due to acute clonidine (Catapres) withdrawal: studies on arterial and urinary catecholamines and suggestions for management of the crisis. LENNART HANSSON and STEPHEN N. HUNYOR	181s
The effect of clonidine on plasma renin activity in human hypertension. A. SALVETTI, F. ARZILLI and G. C. ZUCHELLI	185s
The natural history of hypertension with moderate impairment of renal function. G. E. BAUER and T. J. HUMPHERY	191s
The value of portably recorded blood pressures in the initiation of treatment of moderate hypertension. MAURICE SOKOLOW, DOROTHEE PERLOFF and RONALD COWAN	195s
Haemodynamic changes in long-term therapy of essential hypertension: a comparative study of diuretics, α -methyldopa and clonidine. P. LUND-JOHANSEN (Errata, p. xviii)	199s
Complications in treated arterial hypertension. H. STORM-MATHISEN, H. LÖKEN and U. RIAN	205s
Diet treatment of obese hypertensives. S. HEYDEN, H. A. TYROLER, C. G. HAMES, A. BARTEL, J. W. THOMPSON, I. KRISHAN and T. ROSENTHAL	209s
Spiroinolactone and amiloride in the treatment of low renin hyperaldosteronism and related syndromes. D. KREMER, D. G. BEEVERS, J. J. BROWN, D. L. DAVIES, J. B. FERRISS, R. FRASER, A. F. LEVER and J. I. S. ROBERTSON	213s
Antihypertensive effect of spiroinolactone in essential, renal and mineralocorticoid hypertension. F. MANTERO, D. ARMANINI and S. URBANI	219s
The clearance of endogenous renin in the anhepatic anephric dog. R. FAGARD, E. EYSKENS, H. DELOOZ, E. FOSSION and A. AMERY	225s
Metabolism of renin activity in three canine models: isolated liver, acute hepatic necrosis and chronic toxic hepatitis. CAMERON G. STRONG, HUGO R. TAPIA and JAMES C. HUNT	229s
Metabolic clearance rate of angiotensin II in arterial hypertension. A. COLI and L. DONATO	235s
Synthesis of renin inhibitors. K. POULSEN, J. A. BURTON and E. HABER	239s
Renin release and renal vasomotor changes during stimulation of the brain stem in the cat. D. RICHARDSON, A. STELLA, G. LEONETTI, A. BARTORELLI and A. ZANCHETTI	243s
Effects of angiotensin II on adenylcyclase activity, phosphodiesterase activity and on the level of cyclic AMP in rat uterus. G. ANGÈLES D'AURIAC and P. MEYER	247s
The vicious circle in acute malignant hypertension of rats. G. DAUDA, J. MÖHRING, K. G. HOFBAUER, E. HOMS, ULRIKE MIKSCH, H. ORTH and F. GROSS	251s
Angiotensin-salt hypertension. E. ERIC MUIRHEAD, BYRON E. LEACH and FRANK B ARMSTRONG	257s
A new urinary assay for separate normetanephrine and metanephrine with application for the diagnosis of phaeochromocytoma. ROBERT L. WOLF, CORNELIA E. GHERMAN, JOHN D. LAUER, HAROLD L. FISH and BURT R. LEVEY	263s
Experimental studies on the mechanism of adrenocorticotrophic hormone-induced hypertension in the sheep. B. A. SCOGGINS, J. P. COGHLAN, ELIZABETH J. CRAN, D. A. DENTON, S. K. FAN, J. G. MCDUGALL, CATHERINE J. ODDIE, P. M. ROBINSON and A. A. SHULKES	269s

Age-dependent changes of plasma renin concentration in humans. K. HAYDUK, D. K. KRAUSE, W. KAUFMANN, R. HUENGES, U. SCHILLMÖLLER and V. UNBEHAUN	273s
Primary reninism: hypertension, hyperreninaemia and secondary aldosteronism due to juxtaglomerular renal cell tumours. J. W. CONN, E. L. COHEN, W. J. McDONALD, W. M. BLOUGH, JR, C. P. LUCAS, G. H. MAYOR, J. J. BOOKSTEIN, W. C. EVELAND and J. LAPIDES	279s
Renin suppression in hypertension in relation to body fluid volumes, patterns of sodium excretion and renal haemodynamics. M. A. D. H. SCHALEKAMP, X. H. KRAUSS, G. KOLSTERS, M. P. A. SCHALEKAMP and W. H. BIRKENHÄGER	283s
Plasma renin and angiotensin levels in human hypertension following treatment. C. I. JOHNSTON, N. ANAVEKAR, K. G. CHUA and W. J. LOUIS	287s
Increased plasma renin substrate concentrations in human malignant hypertension. E. ROSSET, J. R. SHERRER and R. VEYRAT	291s
Plasma renin activity and plasma renin substrate in hypertension associated with steroid excess. L. R. KRAKOFF and M. MENDLOWITZ	295s
On the pathogenesis of the secondary hyperaldosteronism of the Bartter syndrome. I. NIELSEN, J. G. JACOBSEN and K. H. OLESEN	301s
Ionic composition of arterial wall in experimental hypertension. G. L. F. J. RORIVE and H. VAN CAUWENBERGE	305s
Prognosis in arteriosclerotic renovascular hypertension. M. H. PINEDO, J. DE GRAEFF and A. STRUYVENBERG	309s
Divided renal and peripheral venous renin as a means of predicting operative curability of renal hypertension. KIKUO ARAKAWA, ZENZIRO MASAKI, YUKIO OSADA, JUNKO YAMADA and SHUNRO MOMOSE	311s
Improved technique for aorto-renal reconstruction: a haemodynamic approach. U. RUBERTI, A. VEGETO and E. MALAN	315s
Oral contraceptives and hypertension. J. O. LUND	317s
Renal prostaglandins: determinants of intrarenal distribution of blood flow in the dog. H. D. ITSKOVITZ, J. STEMPER, D. PACHOLCZYK and J. C. MCGIFF	321s
The effect of chronic sodium loading and sodium restriction on plasma and renal concentrations of prostaglandin A in normal Wistar and spontaneously hypertensive Aoki rats. R. M. ZUSMAN, B. H. FORMAN, G. SCHNEIDER, B. V. CALDWELL, L. SPEROFF and P. J. MULROW	325s
Author index	331s