

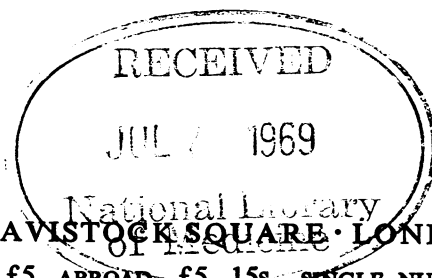
READING ROOM

JOURNAL OF CLINICAL PATHOLOGY

The Journal of The Association of Clinical Pathologists

CONTENTS

Automation in the laboratory M. G. NELSONpage 1	Urinary excretion of glycosaminoglycans in the various forms of gargoylism G. MANLEY and U. WILLIAMS.....page 67
An evaluation of the AutoAnalyzer SMA-4 T. R. J. LAPPIN, A. LAMONT, and M. G. NELSONpage 11	Serum globulins and infections in mongolism A. W. GRIFFITHS, P. E. SYLVESTER, and E. MARY BAYLIS.....page 76
A report on experience with an automatic blood counting machine A. E. GREEN, V. L. MIDDLETON, K. G. PRENTIS, and A. G. SIGNY page 19	Comparative study of immunological tests for pregnancy diagnosis JOYCE L. BELLpage 79
Comparison of the effect of heparin and citrate on platelet aggregation J. R. O'BRIEN, S. M. SHOOBRIDGE, and W. J. FINCH.....page 28	Aberrant glandular polypi of the uterine cervix associated with contraceptive pills: Pathology and pathogenesis A. D. T. GOVAN, W. P. BLACK, and JESSIE L. SHARP.....page 84
Fibrinolytic response to moderate exercise in young male diabetics and non-diabetics J. D. CASH and R. C. MCGILL.....page 32	Comparative antibacterial activity of hexachlorophane in different formulations used for skin disinfection J. W. GIBSONpage 90
Transient appearance of fibrinolytic activity at the epithelium of the rat uterus KONSTANTINOS TYMPANIDIS and TAGE ASTRUP.....page 36	Use of tissues embedded in epoxy resin for routine histological examination of renal biopsies W. NOEL EASTHAM and W. B. ESSEXpage 99
Examination by electron microscopy of the San Carlos viruses isolated from children with infectious hepatitis A. J. ZUCKERMAN, R. G. BIRD, LORNA J. DUNKLEY, and G. J. LOVEpage 40	<i>Technical methods</i> Enumeration of platelets using a model B counter ELIZABETH E. MAYNE and JOHN M. CARVILLEpage 107
Electron microscopic observations on the virus particles in <i>Herpes simplex</i> encephalitis S. ROY and L. WOLMAN.....page 51	Separation of haemoglobins on cellulose acetate J. KOHN.....page 109
Acute hepatitis due to <i>Herpes simplex</i> virus in an adult T. H. FLEWETT, R. G. F. PARKER, and W. M. PHILIP.....page 60	Apparatus for shell freezing liquids in the standard blood transfusion bottles G. W. R. DIKE, F. E. BEW, and G. G. HOPWOOD.....page 111
	Letters to the Editor.....page 113
	Book reviews.....page 115



J Clin Pathol: first published as on 1 January 1969. Downloaded from <http://jcp.bmj.com/> on February 2, 2023 by guest. Protected by copyright.

Contents

No. 1 JANUARY 1969		page
Automation in the laboratory	M. G. NELSON	1
An evaluation of the AutoAnalyzer SMA-4	T. R. J. LAPPIN, A. LAMONT, and M. G. NELSON	11
A report on experience with an automatic blood counting machine	A. E. GREEN, V. L. MIDDLETON, K. G. PRENTIS, and A. G. SIGNY	19
Comparison of the effect of heparin and citrate on platelet aggregation	J. R. O'BRIEN, S. M. SHOOBRIDGE, and W. J. FINCH	28
Fibrinolytic response to moderate exercise in young male diabetics and non-diabetics	J. D. CASH and R. C. MCGILL	32
Transient appearance of fibrinolytic activity at the epithelium of the rat uterus	KONSTANTINOS TYMPANIDIS and TAGE ASTRUP	36
Examination by electron microscopy of the San Carlos viruses isolated from children with infectious hepatitis	A. J. ZUCKERMAN, R. G. BIRD, LORNA J. DUNKLEY, and G. J. LOVE	40
Electron microscopic observations on the virus particles in <i>Herpes simplex</i> encephalitis	S. ROY and L. WOLMAN	51
Acute hepatitis due to <i>Herpes simplex</i> virus in an adult	T. H. FLEWETT, R. G. F. PARKER, and W. M. PHILIP	60
Urinary excretion of glycosaminoglycans in the various forms of gargoylism	G. GANLEY and U. WILLIAMS	67
Serum globulins and infections in mongolism	A. W. GRIFFITHS, P. E. SYLVESTER, and E. MARY BAYLIS	76
Comparative study of immunological tests for pregnancy diagnosis	JOYCE L. BELL	79
Aberrant glandular polypi of the uterine cervix associated with contraceptive pills: Pathology and pathogenesis	A. D. T. GOVAN, W. P. BLACK, and JESSIE L. SHARP	84
Comparative antibacterial activity of hexachlorophane in different formulations used for skin disinfection	J. W. GIBSON	90
Use of tissues embedded in epoxy resin for routine histological examination of renal biopsies	W. NOEL EASTHAM and W. B. ESSEX	99
<i>Technical methods</i>		
Enumeration of platelets using a model B counter	ELIZABETH E. MAYNE and JOHN M. CARVILLE	107
Separation of haemoglobins on cellulose acetate	J. KOHN	109
Apparatus for shell freezing liquids in the standard blood transfusion bottles	G. W. R. DIKE, F. E. BEW, and G. G. HOPWOOD	111
Letters to the Editor		113
Book reviews		115
No. 2 MARCH 1969		
The immunoglobulins: A review	N. H. MARTIN	117
Observations on some effects of L-triiodothyronine on carbohydrate and lipid metabolism in man	T. C. B. STAMP, J. W. H. DOAR, and V. WYNN	132
Micro determination of plasma and erythrocyte copper by atomic absorption spectrophotometry	JEANETTE BLOMFIELD and R. A. MACMAHON	136
Activation of serum 5' nucleotidase by magnesium ions and its diagnostic applications	A. BELFIELD and D. M. GOLDBERG	144
Effect of ethanol on magnesium excretion	M. DICK, R. A. EVANS, and LYAL WATSON	152
Urinary beta-aminoisobutyric acid excretion in thalassaemia	PH. FESSAS, A. KONIAVITIS, and P. M. ZEIS	154
Determination of blood glucose using an oxidase-peroxidase system with a non-carcinogenic chromogen	P. TRINDER	158
Effect of Berkefeld filtration on the binding activity of human gastric juice	A. W. DELLIPANI, R. R. SAMSON, and R. H. GIRDWOOD	162
Hodgkin's disease: histological classification and diagnosis	R. M. CROSS	165
Melanoma and pigmentation of the leptomeninges in Ugandan Africans	M. G. LEWIS	183
Combined intestinal and squamous metaplasia of the renal pelvis	R. SALM	187
Pulmonary complications of oxygen therapy	R. ROWLAND and C. G. H. NEWMAN	192
Coagulation factors in chronic liver disease	G. W. K. DONALDSON, S. H. DAVIES, ALEXIS DARG, and JOHN RICHMOND	199

Contents

	page
Improved method for measuring vitamin B ₁₂ in serum using intrinsic factor, ⁵⁷ CoB ₁₂ , and coated charcoal J. L. RAVEN, M. B. ROBSON, P. L. WALKER, and P. BARKHAN.	205
Estimation of red cell folate activity G. H. SPRAY	212
Factors influencing the release of assayable folate from erythrocytes A. OMER	217
Ultramicrofluorimetric determination of calcium in plasma M. R. LEWIN, M. R. WILLS, and D. N. BARON.	222
Haemoglobin H disease in Arabs in Kuwait S. A. ALI.	226
Computer-assisted method for compiling a blood group register L. A. BELLCHAMBERS, M. G. RINSLER, and A. G. SIGNY	229
Punch card data processing in haematology M. G. NELSON	233
Large-scale screening by the automated Wassermann reaction W. WAGSTAFF, R. FIRTH, J. R. BOOTH, and C. C. BOWLEY.	236
 <i>Technical methods</i>	
Assay of diagnostic radioisotopes in large liquid volumes with a well-type crystal in the end-on position T. K. BELL	240
Detection of deficiencies in immunoelectrophoretic patterns P. IRONSDIE.	242
Loading starch gels using filter paper wicks G. PARKER LEWIS, W. J. MACLENNAN, and S. MILLER.	242
Use of dichloro-difluoromethane aerosols in preparing frozen sections M. F. CASLING and C. R. TRIBE.	244
Letters to the Editor	246
Book reviews	247
 No. 3 MAY 1969	
Skin carriage of the Micrococcaceae W. C. NOBLE	249
Contamination of virological tissue cultures with a species of free-living soil amoeba DAVID P. CASEMORE.	254
Haemophili from eyes H. R. INGHAM and D. C. TURK.	258
Serotyping and the Dienes reaction on <i>Proteus mirabilis</i> from hospital infections J. DE LOUVOIS.	263
Review of current methods for the detection of <i>Trichomonas</i> in clinical material J. HESS.	269
The action of light on culture media PAMELA M. WATERWORTH	273
Recommended scheme for the evaluation of instruments for automatic analysis in the clinical biochemistry laboratory	278
Quantities and units in clinical chemistry R. DYBKAER.	285
The urinary calcium/creatinine ratio as a measure of urinary calcium excretion M. R. WILLS.	287
Interference from the presence of other substances in detecting and determining barbiturates in biological material S. L. TOMPSETT	291
Aetiology of extrahepatic epithelial iron deposits in siderosis in Bantu W. M. BUCHANAN.	296
Determination of iron in solutions containing iron complexes G. B. TENNANT and D. A. GREENMAN.	301
Effects of three cobra venoms on blood coagulation, platelet aggregation, and fibrinolysis N. MACKAY, J. C. FERGUSON, and G. P. MCNICOL.	304
Effect of gaboon viper (<i>Bitis gabonica</i>) venom on blood coagulation, platelets, and the fibrinolytic enzyme system C. D. FORBES, A. G. G. TURPIE, J. C. FERGUSON, G. P. MCNICOL, and A. S. DOUGLAS.	312
Economic and laboratory considerations in screening for vitamin B ₁₂ deficiency in psychiatric practice J. SWANSON BECK, AUDREY A. DAWSON, J. G. HENDERSON, and R. W. STRACHAN.	317
A comparison of the Monospot with the Paul-Bunnell test in infectious mononucleosis and other diseases B. SEITANIDIS	321
Monospot: a differential slide test for infectious mononucleosis VIVIAN BASSON and A. A. SHARP.	324
The cellular infiltrate in Hashimoto's disease and focal lymphocytic thyroiditis M. HARRIS.	326
Immunofluorescent localization of Tamm-Horsfall mucoprotein in human kidney J. K. MCKENZIE and E. G. MCQUEEN	334
The problem of 'chronic mastitis' with epitheliosis J. B. MACGILLIVRAY	340
Gliomatosis peritonei caused by ovarian teratoma R. W. FORTT and I. K. MATHIE.	348
Pathology and survival in operable cases of giant-cell carcinoma of the lung ALEXANDER KENNEDY	354

Contents

	page
Pulmonary calcification in viral pneumonia E. L. JONES and A. H. CAMERON	361
Symposium on thrombolytic therapy	367
<i>Technical methods</i>	
Collection of urine from women for bacteriological examination K. B. LINTON and W. A. GILLESPIE	376
Estimation of barium sulphate in faeces by emission flame photometry MATTHEW DICK	378
Device for eluting proteins from starch gel by freezing and thawing T. R. C. BOYDE	379
Letter to the Editor	379
Book reviews	381
No. 4 JULY 1969	
The histology and cytology of changes in the epithelium of the cervix uteri A. D. T. GOVAN, R. M. HAINES, F. A. LANGLEY, C. W. TAYLOR, and A. S. WOODCOCK	383
Renal vein thrombosis in cases of polyarteritis nodosa and of the Henoeh-Schoenlein syndrome M. E. J. BEARD and D. J. E. TAYLOR	396
Adenomatoid hamartoma of the lung in a neonate A. G. DEMPSTER	401
Fine structural evidence for hormone secretion by a human thymic tumour R. F. MACADAM and J. M. VETTERS	407
An evaluation of current methods for the diagnostic histochemistry of amyloid JOHN H. COOPER	410
Adult Fanconi syndrome and multiple myelomatosis MARGARET E. HORN, M. S. KNAPP, F. T. PAGE, and W. H. C. WALKER	414
Values for tissue magnesium as a guide in detecting magnesium deficiency P. LIM, E. JACOB, S. DONG, and O. T. KHOO	417
Investigation of ketoacidurias by two-dimensional paper chromatography R. F. COWARD, P. SMITH, and J. W. T. SEAKINS	422
Evaluation in clinical practice of the fluorescent amoebic antibody test A. L. JEANES	427
C-Reactive protein in malaria LOTFALI HAGHIGHI	430
Myelosclerosis associated with systematic lupus erythematosus in patients in West Malaysia S. K. LAU and J. C. WHITE	433
Modification of Michaëlsson's method for the measurement of plasma total bilirubin R. P. H. THOMPSON	439
Plasminogen activator in the human prostate R. C. KESTER	442
Comparison of quick and slow thaw methods of producing cryoprecipitate antihæmophilic factor from fresh and 24-hour-old blood A. L. BLOOM, J. C. GIDDINGS, BERYL BEVAN, M. LETTON, and R. J. DRUMMOND	447
New method for the estimation of platelet ascorbic acid J. V. LLOYD, P. S. DAVIS, and HARRY LANDER	453
Histochemical similarities between newborn and leukaemic myeloid cells and their possible significance PAUL L. WOLF, BORIS SILBERBERG, SAMUEL ALBERT. JEROME HORWITZ, and ELISABETH VON DER MUEHLL	458
Agglutination of platelets by a serum factor in the presence of EDTA E. GOWLAND, H. E. M. KAY, JUDY C. SPILLMAN, and J. R. WILLIAMSON	460
<i>Listeria monocytogenes</i> encephalitis associated with corticosteroid therapy M. L. JOHNSON and E. W. COLLEY	465
Sensitivity to amphotericin B of a <i>Naegloria</i> sp. isolated from a case of primary amoebic meningoencephalitis RODNEY F. CARTER	470
The classification of staphylococci from colonized ventriculo-atrial shunts RICHARD HOLT	475
The antibiotic susceptibility of <i>Mycoplasma hominis</i> HERBERT J. HARWICK and F. ROBERT FEKETY, JR.	483
<i>Haemophilus aphrophilus</i> endocarditis R. J. FARRAND, A. F. MACCABE, and O. W. JORDAN	486
Influence of oral contraceptives on the presence and persistence of <i>Candida albicans</i> and β -haemolytic streptococci in the vagina C. A. MORRIS	488
Staining of urinary leucocytes as an aid to the diagnosis of inflammation in the urinary tract D. M. HARRIS	492
Observations on a new disinfectant A. M. GORDON	496
<i>Technical methods</i>	501
Letters to the Editor	505
The Association of Clinical Pathologists: 82nd General Meeting	507
Book reviews/Notices	510

Contents

	<i>page</i>
No. 5 SEPTEMBER 1969	
Q fever and leptospirosis in the dairy farming community and allied workers of Worcestershire R. J. HENDERSON	511
Influence of various parameters on the sensitivity of precipitin tests in farmer's lung by immuno-diffusion and immunoosmophoresis J. E. JAMESON	515
Precipitins with relevance to farmer's lung and aspergillosis in normal and other sera J. E. JAMESON	519
A modified test for Brucella agglutinins J. N. SINGH	527
Modification of the indirect haemagglutination test for amoebiasis IRIS M. KRUPP	530
Effect of medium composition on the apparent sensitivity of <i>Pseudomonas aeruginosa</i> to gentamicin L. P. GARROD and PAMELA M. WATERWORTH	534
Peritoneal infections in patients on long-term peritoneal dialysis before and after human cadaveric renal transplantation D. A. LEIGH	539
Patterns of plasma cobalamins in control subjects and in cases of vitamin B ₁₂ deficiency J. C. LINNELL, HEATHER M. MACKENZIE, J. WILSON, and D. M. MATTHEWS	545
Effect of vitamin B ₁₂ and folic acid deficiency on small intestinal absorption JOHN FORSHAW	551
Effect of antimicrobial agents on the Euglena method of serum vitamin B ₁₂ assay J. T. LIE, BERTA UNGAR, and D. C. COWLING	554
Quantitation of lymphocyte transformation using radioactive iododeoxyuridine A. W. CRAIG, J. V. GARRETT, and S. M. JACKSON	558
Relationship of platelet retention in glass bead columns to the rate of aggregation with adenosine diphosphate and thrombin A. L. BLOOM and E. P. EVANS	560
Quantitative enzyme cytochemistry of leukaemic cells J. STUART, LUCILLE BITENSKY, and J. CHAYEN	563
Transfusional siderosis and liver cirrhosis R. SINNIHAH	567
Recent views on Buerger's disease GEORGE WILLIAMS	573
Fine structural appearances of glomerular capillaries in a case of malignant hypertension R. F. MACADAM	579
Chemodectoma of the orbit A. AHMED, O. G. DODGE, and R. S. KIRK	584
Application of standard micro-anatomical staining methods to epoxy resin-embedded sections S. R. APARICIO and P. MARSDEN	589
Vaginal fluid enzyme patterns in benign and malignant lesions of the female genital tract G. B. MUIR and G. VALTERIS	593
Plasma 'cortisol' levels in right and left ventricular failure C. K. CONNOLLY and M. R. WILLS	598
Detection of methaqualone and its metabolites in urine D. BURNETT, J. H. GOUDIE, and J. MUNRO SHERRIFF	602
Semi-automated micromethod for estimating the unsaturated iron-binding capacity of serum using radioactive iron B. BROZOVICH and J. COPESTAKE	605
On-line acquisition of the output of AutoAnalyzers P. D. GRIFFITHS and N. W. CARTER	609
Work study of a desk computer in the clinical laboratory J. G. LINES	617
<i>Technical methods</i>	
Modification of the method for the estimation of xylose in urine J. M. GOODHART and GWENDOLINE R. KINGSTON	621
Simplified apparatus for ultrafiltration by centrifugation M. R. LEWIN	622
Letters to the Editor	623
Book reviews/Notices	624
 No. 6 NOVEMBER 1969	
<i>The Journal of Clinical Pathology</i> —nine times a year!	627
Research and development N. H. MARTIN	628
Gram-negative bacilli in burns BRENDA DAVIS, H. A. LILLY, and E. J. L. LOWBURY	634
Gram-negative septicaemia during haemorrhage from an anastomotic ulcer J. D. WARD	642
Sensitivity of Gram-negative bacilli to ampicillin after six years' clinical usage B. SLOCOMBE and R. SUTHERLAND	644
Incidence of toxoplasmosis in women at a London hospital C. F. RUOSS and G. L. BOURNE	649

Contents

	page
A simple quantitative and qualitative microbiological screening test for bacteriuria E. M. MACKAY-SCOLLAY...	651
Isolation of a Coxsackie virus group B, type 5, from the heart of a fatal case of myocarditis in an adult MAURICE LONGSON, F. M. COLE, and DEREK DAVIES	654
Reaction pattern to three stresses—electroplexy, surgery, and myocardial infarction—of fibrinolysis and plasea fibrinogen R. CHAKRABARTI, E. D. HOCKING, and G. R. FEARNLEY	659
Disseminated fibrin thromboembolism among neonates dying more than 48 hours after birth J. F. BOYD.....	663
Effect of drugs on vitamin B ₁₂ levels obtained using the <i>Lactobacillus leichmanii</i> method D. E. B. POWELL, J. H. THOMAS, A. R. MANDAL, and C. T. DIGNAM.....	672
Effect of sulphhydryl inhibition on the uptake of transferrin-bound iron by reticulocytes J. FIELDING, SHIRLEY A. EDWARDS, and RICHARD RYALL	677
Plasma iron values in National Blood Transfusion Service donors E. A. FRENCH and PUSHPA K. SITLANI.....	680
Uncertainties in the determination of the 'cortisol-binding capacity' of plasma and their removal C. W. BURKE	683
Catecholamine metabolite excretion in spina bifida B. MCKIBBIN, L. O'GORMAN, and T. DUCKWORTH.....	687
Adsorption of ⁵⁹ Fe on glassware and its effect on data deduced MARY D. SMITH and T. KERNAGHAN.....	690
Bone changes in polycythaemia vera and myelosclerosis B. E. ROBERTS, C. G. WOODS, D. W. MILES, and C. R. PATERSON	696
Culture of needle biopsies of the liver from patients with suspected hepatitis PATRICIA E. TAYLOR, A. J. ZUCKERMAN and L. J. FARROW	701
Hepatic fluorescence in porphyria cutanea tarda studied in fine needle aspiration biopsy smears OVE LUNDVALL and LENNART ENERBÄCK	704
Use of activated charcoal in the radioimmunoassay of human growth hormone in plasma H. S. JACOBS.....	710
Bronchial carcinoma and hypercalcaemia J. G. AZZOPARDI and R. S. WHITTAKER	718
Congenital mesonephric defects in male infants with mucoviscidosis J. R. OLSON and D. K. WEAVER.....	725
Use of soluble swabs in the diagnosis of bladder neoplasia P. A. TROTT, GRANT WILLIAMS, and P. W. ATTRIDGE..	731
 <i>Technical methods</i>	
Storage of virus-infected tissue culture substrates for the detection of serum antibodies by immunofluorescence G. SANDER	737
Letters to the Editor	738
Book reviews	739
Notice	740
The Association of Clinical Pathologists: 83rd General Meeting.....	741
Index to Volume XXII	747
Contents	758