

20
TW

JOURNAL OF CLINICAL PATHOLOGY

The Journal of The Association of Clinical Pathologists

CONTENTS

INDEX MEDICUS	
JTC	HT3
VOL-ISSUE	16-1
INDEXER	00

Recent studies of the urobilin problem C. J. WATSON.....page 1

The haemolytic activity of an iron carbohydrate complex J. FIELDING with the technical assistance of GILLIAN M. SMITH.....page 12

Microdetermination of calcium and magnesium in biological materials C. H. BOWDEN and VALERIE J. PATSTON.....page 18

Antiglobulin sera: comparison between serological tests and immunoelectrophoresis G. C. JENKINS.....page 25

Simplified quantitative methods for bacteriuria and pyuria JAMES MCGEACHIE and ARTHUR C. KENNEDY.....page 32

The differentiation of Enterobacteriaceae infecting the urinary tract P. F. MILNER.....page 39

A comparison of quantitative methods in the investigation of urinary infections R. A. OSBORN and A. J. SMITH.....page 46

Mima polymorpha infection J. BRODIE and A. HENDERSON.....page 49

'Hand, foot, and mouth disease' associated with Coxsackie A5 virus T. H. FLEWETT, R. P. WARIN, and SUZANNE K. R. CLARKE.....page 53

Bronchopulmonary moniliasis in the newborn ALENA LINHARTOVÁ and W. CHUNG.....page 56

Hepatic and cardiac necrosis in a patient with prostatic carcinoma given ϵ -aminocaproic acid F. NOUR-ELDIN and T. F. DRAISEY.....page 61

Familial histiocytic reticulosis (familial haemophagocytic reticulosis) THOMAS V. MARRIAN and N. G. SANERKIN.....page 65

Antibody elution from red blood cells HARRY RUBIN.....page 70

The anti-A and anti-B antibody content of pooled plasma J. DARNBOROUGH.....page 74

The relation of the isoagglutinins in pooled plasma to the haemolytic anaemia of burns E. TOPLEY and J. P. BULL, W. d'A. MAYCOCK, A. E. MOURANT and D. PARKIN.....page 79

Technical methods

Estimation of plasminogen in biological fluids by agar/fibrinogen gel diffusion R. D. THORNES.....page 87

A rapid capillary test for out-patient anticoagulant therapy L. POLLER.....page 89

Modification of an extraction technique for estimation of Evans blue in plasma MICHAEL HOBBSLEY and JOAN THURN.....page 89

A portable micro-centrifuge G. F. GREEN.....page 90

Acrylic picture varnish for thin stained films MAIR THOMAS.....page 91

Obituary (Earl Judson King).....page 92

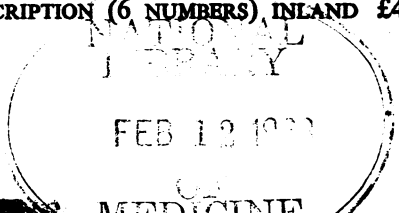
The Association of Clinical Pathologists: 69th Meeting.....page 94

Book reviews.....page 97

Ninth International Congress of Haematology.....page 99

J Clin Pathol: first published as J Clin Pathol 16:1 January 1963. Downloaded from <http://cp.bmj.com/> on November 30, 2022 by guest. Protected by copyright.

LONDON · BRITISH MEDICAL ASSOCIATION · TAVISTOCK SQUARE W.C.1
YEARLY SUBSCRIPTION (6 NUMBERS) INLAND £4. 4s. ABROAD £4. 15s. SINGLE NUMBER 18s. 6d.



Contents

No. 1 JANUARY 1963

	Page
Recent studies of the urobilin problem C. J. WATSON	1
The haemolytic activity of an iron carbohydrate complex J. FIELDING with the technical assistance of GILLIAN M. SMITH	12
Microdetermination of calcium and magnesium in biological materials C. H. BOWDEN and VALERIE J. PATSTON	18
Antiglobulin sera: comparison between serological tests and immunoelectrophoresis G. C. JENKINS	25
Simplified quantitative methods for bacteriuria and pyuria JAMES MCGEACHIE and ARTHUR C. KENNEDY	32
The differentiation of Enterobacteriaceae infecting the urinary tract P. F. MILNER	39
A comparison of quantitative methods in the investigation of urinary infections R. A. OSBORN and A. J. SMITH	46
<i>Mima polymorpha</i> infection J. BRODIE and A. HENDERSON	49
'Hand, foot, and mouth disease' associated with Coxsackie A5 virus T. H. FLEWETT, R. P. WARIN, and SUZANNE K. R. CLARKE	53
Bronchopulmonary moniliasis in the newborn ALENA LINHARTOVÁ and W. CHUNG	56
Hepatic and cardiac necrosis in a patient with prostatic carcinoma given ϵ -aminocaproic acid F. NOUR-ELDIN and T. F. DRAISEY	61
Familial histiocytic reticulosis (familial haemophagocytic reticulosis) VALERIE J. MARRIAN and N. G. SANERKIN	65
Antibody elution from red blood cells HARRY RUBIN	70
The anti-A and anti-B antibody content of pooled plasma J. DARNBOROUGH	74
The relation of the isoagglutinins in pooled plasma to the haemolytic anaemia of burns E. TOPLEY and J. P. BULL, W. d'A. MAYCOCK, A. E. MOURANT and D. PARKIN	79
<i>Technical methods</i>	
Estimation of plasminogen in biological fluids by agar/fibrinogen gel diffusion R. D. THORNES	87
A rapid capillary test for out-patient anticoagulant therapy L. POLLER	89
Modification of an extraction technique for estimation of Evans blue in plasma MICHAEL HOBSLEY and JOAN THURN	89
A portable micro-centrifuge G. F. GREEN	90
Acrylic picture varnish for thin stained films MAIR THOMAS	91
Obituary (Earl Judson King)	92
The Association of Clinical Pathologists: 69th Meeting	94
Book reviews	97
Ninth International Congress of Haematology	99

No. 2 MARCH 1963

	Page
Iron storage in human disease <i>Fractionation of hepatic and splenic iron into ferritin and haemosiderin with histochemical correlations</i> E. H. MORGAN and M. N. I. WALTERS	101
A puerperal haemorrhagic state due to a heparin-like anticoagulant M. L. N. WILLOUGHBY	108
The levels of the plasma coagulation factors after trauma and childbirth E. DAVIDSON and S. TOMLIN	112
The estimation of heparin co-factor in serum I. J. TEMPERLEY	115
Insulin-binding antibodies in relation to insulin therapy J. N. HARRIS-JONES, H. MILLER, and G. OWEN	120
The value of leucocyte alkaline phosphatase determinations in the diagnosis of ectopic pregnancy W. G. STAFF, R. W. BURSLEM and L. POLLER	124
Malignant melanoma of the anal canal B. C. MORSON and H. VOLKSTÄDT	126
Infarction of the human liver R. CARROLL	133
Extensive intracranial lesions in a case of orbital non-specific granuloma combined with polyarteritis nodosa K. E. ÅSTRÖM and S. O. LIDHOLM	137
Hypopituitarism caused by a melanoma of the pituitary gland JAMES MCE. NEILSON and A. D. MOFFAT	144
Atypical epithelial changes in the uterine cervix JAMES A. KIRKLAND	150
Spinal cord compression following vertebral osteomyelitis due to <i>Alkalescens-Dispar</i> J. BRIGGS and R. G. LASCELLES	155
Observations on the use of the Coulter model D electronic cell counter in clinical haematology A. N. BLADES and H. C. G. FLAVELL	158
Platelet counting using the Coulter electronic counter M. J. EGGLETON and A. A. SHARP	164
<i>Technical methods</i>	
Rapid whole-blood platelet counting using an electronic particle counter ROBERT D. EASTHAM	168
A double sampler unit for the AutoAnalyzer D. EVERARD and G. SEYMOUR	170
An inexpensive method for the estimation of true glucose in blood and other fluids by the AutoAnalyzer GEORGE DISCOMBE	170
Colorimetric determination of glucose in 20 μ l. of blood DIANA M. CAMPBELL and the late E. J. KING	173
A new method for determination of the serum iron RONA SANFORD	174
Automatic determination of blood cholesterol J. BOY	178
Separation of human lymphocytes and monocytes using an 'oil bottle' IRA GREEN and WILMA SOLOMON	180
Concentration of dilute haemoglobin solutions with Sephadex B. DEUTSCH, R. D. LEVERE, and J. LEVINE	183
Book reviews	183

Contents

No. 3 MAY 1963

	Page
De Quervain's subacute granulomatous thyroiditis: histological identification and incidence G. MEACHIM and M. H. YOUNG.....	189
Muco-epidermoid tumours of the anal canal B. C. MORSON and H. VOLKSTÄDT.....	200
The histogenesis of carcinoid tumours of the rectum N. M. GIBBS.....	206
Wegener's granulomatosis: report of a patient surviving four and a half years D. W. EVANS and J. B. W. HALLEY.....	215
Metaplasia of renal glomerular capsular epithelium DONALD J. MACPHERSON.....	220
Further observations on platelet aggregation induced by adenosine diphosphate thrombin and tri-ethyl tin J. R. O'BRIEN.....	223
Marrow biopsy in the diagnosis of pyrexia of undetermined origin N. D. GOWER.....	227
A drug-specific leuco-agglutinin in a fatal case of agranulocytosis due to chlorpromazine G. C. HOFFMAN, J. S. HEWLETT, and F. L. GARZÓN.....	232
Urea distribution in renal failure D. J. BLACKMORE, W. J. ELDER, and C. H. BOWDEN.....	235
A method for I^{131} conversion ratio utilizing the plasma inorganic I^{131} fraction H. OYAMADA and E. IRENE PENTZ.....	244
A routine method for the determination of phosphoglucose isomerase activity in body fluid J. E. HORROCKS, J. WARD, and J. KING.....	248
Sensitive methods for the titrimetric microdetermination of biological calcium and magnesium R. N. BEALE and J. O. BOSTROM.....	252
Observations on the cytological diagnosis of an infectious erythema CRISAN MUSETEANU and D. VISINESCU.....	256
Sterilization of air filters for high pre-vacuum autoclaves R. J. FALLON.....	259
The effect of carbohydrates on the production of staphylococcal pigment A. E. BROWN and HILDA R. HARRIS.....	261
Techniques for the rapid and sensitive detection of penicillinase R. J. HOLT and G. T. STEWART.....	263
Infections due to methicillin-resistant strains of <i>Staphylococcus pyogenes</i> J. W. HARDING.....	268
A case of vaccinia necrosum (or progressive vaccinia), with severe hypogammaglobulinaemia, treated with n-methyl isatin beta-thiosemicarbazone (33T57) T. H. FLEWETT and F. L. KER.....	271
Comparison of colicine production and diffusion on different solid media J. MCGEACHIE and W. MCCORMICK.....	278
<i>Technical methods</i>	
Detection of autoantibodies to cytoplasmic and nuclear antigens in freeze-dried thyroid R. C. NAIRN, T. GHOSE, I. B. PORTEUS, and J. A. URQUHART.....	281
Detection of auto-immune antibody and tissue antigens by the 'microspot' technique J. G. FEINBERG.....	282
The estimation of β amino-isobutyric acid in human urine D. BAWDEN.....	284
A gel diffusion precipitin method for the estimation of C-reactive protein R. A. CROCKSON.....	287
A method for the comparison of the antiplasmin activity of two groups of blood sera MARGARET HOWELL.....	289
Book reviews.....	291

No. 4 JULY 1963

	Page
Inherited enzyme defects: a review T. HARGREAVES.....	293
A cytological and histological study of acute premyelocytic leukaemia JEAN BERNARD, J. LASNERET, J. CHOME, J. P. LEVY, and M. BOIRON.....	319
Cellular types in acute leukaemia: diagnosis and significance F. W. GUNZ and A. F. BURRY.....	325
Agglutination reactions of human leucocytes JEANETTE SCHULZ and HELGA MULLER.....	332
Fatal hepatic necrosis in glandular fever U. R. ALLEN and B. H. BASS.....	337
A study of the vesical ganglia in children and the relationship to the megaureter megacystis syndrome and Hirschsprung's disease SIDNEY LEIBOWITZ and MARTIN BODIAN.....	342
Four cases of Waldenström's macroglobulinaemia D'A. KOK, D. N. WHITMORE, and R. W. AINSWORTH.....	351
Synergism between sulphonamide drugs and antibiotics of the polymyxin group against <i>Proteus sp. in vitro</i> F. E. RUSSELL.....	362
A new <i>Pasteurella</i> species (?) from a wound infection J. BRODIE and A. HENDERSON.....	367
A comparison of the measurement of gamma globulin in cerebrospinal fluid by electrophoretic and immunological methods JACK COLOVER, J. G. FEINBERG, ANNE TEMPLE, and MARIAN TOOLEY.....	370
Electrophoretic patterns of tumour tissue proteins EMIDIO AFONSO.....	375
A rapid micro method for recording red cell osmotic fragility by continuous decrease of salt concentration D. DANON.....	377
<i>Technical methods</i>	
A new procedure for the identification of <i>Pneumocystis carinii</i> cysts in tissue sections and smears A. M. CHALVARDJIAN and L. A. GRAWE.....	383
Separation of myoglobin and haemoglobin on a column of dextran gel M. C. BERMAN and J. E. KENCH.....	385
A method for applying haemolysates on starch blocks for electrophoresis P. BARKHAN and M. E. STEVENSON.....	386
A routine method for staining eosinophils in sputum RICHARD W. PAYNE and R. H. HILL.....	387
The Association of Clinical Pathologists: 70th general meeting.....	388
International enzyme units and isoenzyme nomenclature.....	391
Book reviews.....	393

Contents

No. 5 SEPTEMBER 1963

	Page
Pioneer work by Professor Dudgeon in cytological diagnosis J. BAMFORTH.....	395
Exfoliative cytology in the diagnosis of cancer of the bronchus S. W. A. KUPER.....	399
Progressive multifocal leucoencephalopathy and primary hypersplenism <i>With a note on the association between disease of the reticuloendothelial system and progressive multifocal leucoencephalopathy</i> V. F. WEINSTEIN, A. L. WOOLF, and M. J. MEYNELL.....	405
Diffuse degeneration of cerebral white matter resembling so-called Binswanger's disease and symmetrical necrosis of the globus pallidus associated with acute porphyria and cerebral atherosclerosis W. THOMAS SMITH and S. R. F. WHITTAKER.....	419
Disseminated herpes simplex in newborn infants T. BIRD, J. E. ENNIS, A. J. WORT, and P. S. GARDNER.....	423
Chronic myeloid leukaemia with lymphosarcoma J. S. HOWELL, and A. G. W. WHITFIELD.....	432
Two cases of thrombohaemolytic thrombocytopenic purpura associated with changes in red cell morphology P. MCCORMACK, D. J. O'BRIEN, and R. A. M. OLIVER.....	436
A thrombocyte consumption test for the demonstration of autoantibody-like serum factors GY. DÓBIÁS.....	441
The thymus in hepatic cirrhosis MAURICE CORRIDAN.....	445
Renal biopsy in a general hospital PAUL TURNER.....	448
Nasal carriage of staphylococci and post-operative staphylococcal wound infection R. J. HENDERSON and R. E. O. WILLIAMS.....	452
The clumping of <i>Staphylococcus pyogenes</i> by serum and fibrinogen-free plasmas A. E. BROWN and A. A. FARUQUE.....	457
Relationships of coagulases and agglutinins <i>in vitro</i> and <i>in vivo</i> to <i>Staphylococcus pyogenes</i> A. HENDERSON and J. BRODIE.....	459
Cryptococcal meningitis in Hong Kong C. T. HUANG, P. C. WONG, and C. H. CHAN-TEOH.....	464
The estimation of blood galactose using a glucose oxidase-catalase reagent C. H. BOWDEN.....	470
A rapid colorimetric method for the estimation of urinary chlorides R. A. CROCKSON.....	473
Technical and experimental errors in the spectrophotometric determination of oxygen saturation R. G. FISH and M. RADCLIFFE LEE.....	476
Obituary: Dr. J. L. Pinniger.....	479
The planning of benching and services for the modern pathological laboratory K. M. LAURENCE.....	480
<i>Technical methods</i>	
Thin-layer chromatography for amino-acids and sugars D. N. BARON and J. ECONOMIDIS.....	484
The reliability of the Albustix test for proteinuria M. R. WILLS and G. K. MCGOWAN.....	487
The effect of citrate preservatives on estimating the Westergren method of erythrocyte sedimentation rates H. STERNDALÉ.....	488
Fixation and transport in a postal cytodagnostic service J. A. HIGGINS and J. P. SMITH.....	489
Book reviews.....	489

No. 6 NOVEMBER 1963

Symposium on the Laboratory Control of Cardiovascular Disease

	Page
Editorial.....	491
The human conducting-system and its examination R. E. B. HUDSON.....	492
The microscopical appearances of human peripheral arteries during growth and aging INGLE WRIGHT.....	499
The early stage of thrombosis J. C. F. POOLE, J. E. FRENCH, and W. J. CLIFF.....	523
The changing face of rheumatism J. W. KERR.....	529
Heart disease in old age FLORENCE MCKEOWN.....	532
Serum enzyme levels in the diagnosis of ischaemic heart disease N. H. MARTIN.....	538
Sterilizing procedures for heart-lung machines J. C. KELSEY.....	542
Acid-base monitoring of open-heart surgery H. G. MORGAN, R. R. OGILVIE, and W. F. WALKER.....	545
Haematology and the extracorporeal circulation A. A. SHARP and M. J. EGGLETON.....	551
Activation of coagulation and fibrinogen loss after using an extracorporeal circulation A. L. BLOOM.....	558
Some aspects of haemostasis after open-heart surgery G. DE GABRIELE.....	569
Malignancy in scars, chronic ulcers, and sinuses A. H. CRUICKSHANK, E. MAVIS MCCONNELL, and D. G. MILLER..	573
The haemagglutination inhibition and the Hogben test in pregnancy J. SHEA and A. J. N. WARRACK.....	581
A method for the determination of human chorionic gonadotrophin in urine extracts P. G. LYNCH and HERTA SCHWABACHER.....	585
A critical study of immunological methods for pregnancy diagnosis A. J. WORT, K. N. VARDE, D. V. I. FAIRWEATHER, and C. A. GREEN.....	590
The thalassaemia trait in an English family P. D. ROBERTS.....	593
Thalassaemia in Scots K. D. BUCHANAN, J. D. KINLOCH, H. E. HUTCHISON, P. H. PINKERTON, and PATRICIA CASSIDY	596
Obituary: Fredric Battinson Smith, M.C.....	601
<i>Technical methods</i>	
A comparative study of laboratory and commercially prepared pregnancy tests A. D. STEWART and S. G. WELSHMAN.....	602
Standardization of haemoglobin solutions by iron determinations E. C. MASON and A. ADARRAGA-ELIZARAN	604
Book reviews.....	607
Index to volume 16.....	611