Contents

Review article
Histomorphometry of bone  PA REVELL page 1323
Study of nuclear sizes in the centres of malignant and benign lymphoid follicles  J CROCKER, EL JONES, RC CURRAN page 1332
Subarachnoid haemorrhage due to upper cervical trauma  WA HARLAND, JF PITTS, AA WATSON page 1335
Microdeposits of amyloid in sclerocalcific heart valves: a histochemical and immunofluorescence study  YA GOFFIN, WENDY MURDOCH, GG CORNWELL, GD SORENSEN page 1342
Is enrichment culture necessary for the isolation of Campylobacter jejuni from faeces?  DN HUTCHINSON, FJ BOLTON page 1350
Detection of penicillin tolerance in streptococci  GRETA J SLATER, D GREENWOOD page 1353
Selective Kirchner medium in the culture of specimens other than sputum for mycobacteria  DA MITCHEISON, BW ALLEN, D MANICKAVASAGAR page 1357
Assessment of fat malabsorption  TEH LIP BIN, M STOPARD, S ANDERSON, A GRANT, D QUANTRILL, RH WILKINSON, DP JEWELL page 1362
Non-volatile fatty acids in the diagnosis of non-specific vaginitis  CA ISON, CSF EASMON, SG DAWSON, G SOUTHERTON, JWR HARRIS page 1367
Measurement of the enzymes lactate dehydrogenase and creatine kinase using reflectance spectroscopy and reagent strips  JF STEVENS, W TSANG, RG NEWALL page 1371
Fibronectin in blood products—an in vitro and in vivo study  JT REILLY, BA MCVERRY, MJ MACKIE page 1377
Effect of new plastics and leucocyte contamination on in vitro storage of platelet concentrates  MA TAYLOR, NP TANDY, ID FRASER page 1382
No evidence for a prethrombotic state in stable chronic inflammatory bowel disease  EAR KNOT, JW TENCHATE, O CH LEEKSMA, GN TYTGAT, J VREEKEN page 1387
Identification of cellular immunoglobulins in chronic lymphocytic leukaemia by immunoperoxidase staining  GERALDINE M MARKEY, RE MCCONNELL, HD ALEXANDER, TCM MORRIS, JH ROBERTSON page 1391
Lactoferrin-deficient neutrophil polymorphonuclear leucocytes in leukaemias: a semiquantitative and ultrastructural cytochemical study  JUN MIYAUCHI, Y WATANABE, Y ENOMOTO, KEI TAKEUCHI page 1397

Technical methods
Revitalising postmortem coronary angiography  SB COGHILL, SM NICOLL, A MCKIMMIE, I HOUSTON, BM MATTHEW page 1406
A simplified hot-wire cutting aid for PVC trays used in radioimmunoassay  A ANDERSON, G FLEMING, CD INSKIP, GK SCOTT page 1410

Letters to the Editor page 1412

Book reviews page 1417

Notices page 1417
List of Assessors page 1418
Annual Author Index to Volume 36 page 1419
Annual Subject Index to Volume 36 page 1423
Annual Contents to Volume 36 page 1435

ASTM CODEN: JCPAAK 36(12) 1323-1442 (1983) ISSN 0021-9746
Contents

No 1 JANUARY 1983

Cerebrospinal fluid concentrations of hypoxanthine, xanthine, uridine and inosine: high concentrations of the ATP metabolite, hypoxanthine, after hypoxia  RA HARKNESS, RJ LUND ..................................................  1

Application of reflectance spectroscopy to the estimation of uric acid, urea and glucose: an evaluation of the Ames Seralyzer  JF STEVENS, BG NEWALL ..........................................................  9

Serum copper: a marker of disease activity in rheumatoid arthritis  AAR YOUSSEF, B WOOD, DN BARON ...........................................  14

Value of copper-associated protein in diagnostic assessment of liver biopsy  P GUARASCIO, P VENTIS, U CEVKEBAS, B PORTMANN, R WILLIAMS .................................................................  18

Haemolytic-uremic syndrome complicating long-term mitomycin C and 5-fluorouracil therapy for gastric carcinoma  J CROCKER, EL JONES ..................................................................................  24

Macroglutinemia and intestinal lymphangiectasia: a rare association  M HARRIS, IE BURTON, JH SCARFE .........................................  30

Impaired production of mononuclear cell procoagulant activity in chronic lymphocytic leukaemia  S CORTELLAZZO, P VIERO, T BARBU, M COLUCCI, M SEMERARO ........................................  37

Stability of cyclosporin A in human serum  JM SMITH, JM HOWS, RC GORDON-SMITH .........................................................  41

Analysis of large-cell lymphomas using monoclonal and heterologous antibodies  P VAN DER VALK, G VAN DEN BESSELAR-DINGJAN, MR DAHA, CILM MEIJER ..................................................  44

Prognostic value of tumour thickness in cutaneous malignant melanoma  TONAJEFFERY, P ROYSTON, C SOWTER, G SLAVIN, A PRICE, A POMERANCE, S GLOMALALI, D PINTO ..................................................  51

Intermediate filaments in smooth muscle tumours  DJ EVANS, IA LAMPERT, M JACOBS ..............................................................  57

Carcinoid disease of adenocarcinoma of jejunal antrum in situ squamous carcinoma of oesophagus  CI O'BREIN, S SAVERY-MUTHU, RH HODGSON, DJ EVANS ..................................................  66

Neuroblastoma arising in a mature cystic teratoma of the ovary  HAS REID, JD VAN DER WALT, H FOX .........................................  68

Intestinal lactase, sucrase and alkaline phosphatase in relation to age, sex and site of intestinal biopsy in 477 Irish subjects  R KEANE, JG O'GRADY, J SHELL, FM STEVENS, B EGAN-MITCHELL, B MCNICOLLI, CF MCCARTHY, PF FOTRELL ...........  74

Comparison of selective media for isolation of Campylobacter jejuni/coli  FJ BOLTON, D COATES, PM HINCHLIFFE, L ROBERTSON ..............  78

Household pets as a potential reservoir for Clostridium difficile infection  SP BORIELLO, PAULINE HUNGER, T TURNER, Fiona BARCLAY .................................................................  84

Isolation of Clostridium difficile from patients with the hospital wards  HELEN MALAMOU-LADAS, S O'FARRELL, JO NASH, SOAD TABACQALI .................................................................  88

Relative carriage rates of nuclear dehydrogenating clostridia in two populations of different colorectal cancer risk  SP BORIELLO, BS DRASAR, A TOMKINS, MJ HILL .................................................................  93

Biotyping of Haemophilus using API 10S—an epidemiological tool? S MEHTAR, SA AFSHAR ..............................................................  96

Detection of complement fixation by enzyme linked immunosorbent assay (COMPELISA)  PM HINCHLIFFE, L ROBERTSON .................................................................  100

Use of the Phoenix system for bacteriology  JENNIFER PERRY, DA MITCHESSON, H DARRELL ......................................................  104

An assessment of environmental contamination arising from the use of equipment for carrying out the ELISA technique in microtitre plates  CJ HAMPER .................................................................  110

Technical method

Haematoxylin counterstaining of immunofluorescence preparations  M CHILOSI, G PIZZOLO, C VINCENZI .................................................................  114

Letters to the Editor ............................................................................  115

Book reviews .....................................................................................  118

No 2 FEBRUARY 1983

Infections in British clinical laboratories 1980–81  NR GRIST .................................................................  121

Aerosols in the mortuary  SWB NEWSOM, CHRISTINE ROWLANDS, JULIE MATTHEWS, CJ ELLIOT .................................................................  127

A modified tetrazolium reaction for identifying malignant cells from gastric and colonic cancer  KS IBRAHIM, GAN HUSAIN, L BITENSKY, J CHAYEN .................................................................  133

Pepsinogen in gastric carcinoma cells  WA REID, WD THOMPSON, J KAY .................................................................  137

Cytogenetic studies: an essential part of the paediatric necropsy  GR SUTHERLAND, RF CARTER .................................................................  140

Nuclear diameter in parathyroid disease  SS BANERJEE, B FARAGHER, PS HASTLETON .................................................................  143

Studies of intestinal lymphoid tissue. VI—Proliferative response of small intestinal epithelial lymphocytes distinguishes gluten-from non-gluten-induced enteropathy  MN MARSH, MR HAENEY .................................................................  149

A possible route for lymphocyte migration into diseased tissues  AJ FREEMONT .................................................................  161

Production of a monoclonal antibody reactive with human dendritic reticulum cells and its use in the immunohistological analysis of lymphoid tissue  M NAHI, J GERDES, Z ABDUALLAZ, H STEIN, DY MASON .................................................................  167

Annexin a in the diagnosis of polycythaemia  NP LUCIE, GAR YOUNG .................................................................  176

Comparison of haematological indices between women of four ethnic groups and the effect of oral contraceptives  IF GODLAND, MARY SEED, RUTH SIMPSON, G BROOM, V VYN ...  180

A comparison of peripheral blood and Buffy coat smear examination for the prediction of bone marrow relapse of acute lymphoblastic leukaemia in childhood  IM FRANKLIN .................................................................  192

"New" lectins for the identification of erythrocyte cryopantigens and the classification of erythrocyte polyaegglutinability: Medicago disformis and Medicago trnbinata  GGG BIRD, JUNE WINGHAM .................................................................  195

Immunohistochemical localisation of thrombospondin in human megakaryocytes and platelets  KATHRYN M MCLAIREN .................................................................  197

Low pancreatic lipase in insulin-dependent diabetics  D JUNGLER, R DE ALBARRAN, A KATRAK, DB FREEDMAN, AG BECKETT, P DANDONA .................................................................  200
IC NIEUWENHUIJZEN

Time course of the acute phase protein response in man CM COLLEY, A FLECK, AW GOODE, BR MULLER, MA MYERS 203

Automated determination of minimum bactericidal concentrations of antibiotics F O'GRADY, BARBARA MURPHY, NJ PEARSON 208

Pathogenic potential of commensal species of Neisseria AP JOHNSON 213

Urethral Escherichia coli cause abacterial cystitis? W WALPITA, FP MARSH 224

Comparison of enzyme-linked immunosorbent assay (ELISA) and complement fixation test for detection of Mycoplasma pneumoniae antibodies ELIZABETH DUSSAIX, A SLIM, F TOURNIER 228

Techniques

Fluence of sample preparation on estimates of blood fibronectin concentration MARGARET BOWEN, T MULLER 233

Assessment of conjugated and unconjugated serum bile acid concentrations using 3a-hydroxysteroid dehydrogenase SM SMITH, AYSZOR, KD SETCHELL, GM MURPHY 235

Letters to the Editor 236

Book reviews 239

New titles 244

Glossary 244

3 March 1983

Osteomalacia and osteoporosis: evaluation of a diagnostic index MJ MCKENNA, R FREANEY, OM CASEY, RP TOWERS, FP MULDOWNEY 245

Alpha-1-microglobulin: an indicator protein for renal tubular function HY YU, Y YANAGISAWA, MA FORBES, EH COOPER, RA CROCKSON, HW MCKEAN 253

Consequences of avascular necrosis of the femoral head in aluminium-related renal osteodystrophy and the role of endochondral ossification in the repair process J MCCLURE, PS SMITH 260

Neural spread by squamous carcinomas of the head and neck: a morphological study using antiaxonal and antimielin monoclonal antibodies RL CARTER, CS POSTER, ELIZABETH A DINDALE, MB FITTAM 269

Incidence of mesangial IgA and IgM deposits in a control nephropathy population R SINGH 276

Characterisation of the inflammatory cell infiltrate in duodenitis: a comparison of the semi-automatic cell counter and the manual lysozyme stain M HASAN, FRANCES HAY, W SIRCUS, ANNE FERGUSON 280

Pathomorphometric characterisation of 52 B cell non-Hodgkin's lymphomas P VAN DER VALK, A MOSCH, PJ KURVER, CLM MEIJER 289

A comparative study of nuclear form factor, area and diameter in non-Hodgkin's lymphomas and reactive lymph nodes CROCKER, EL JONES, RC CURRAN 298

The form factor of alpha-naphthyl acetate esterase-positive cells in non-Hodgkin's lymphomas and reactive lymph nodes CROCKER, EL JONES, RC CURRAN 303

Angioblasts cells increase in the dermal lesions of adult T cell leukaemia in Japan M SHAMOTO 307

Antibody synthesis within the central nervous system: comparisons of CSF IgG indices and electrophoresis EU THOMPSON, DRICHES, JK OHN 312

Disordered function of mononuclear phagocytes in malignant disease RJ SOKOL, GW HUDDSON 316

Chronic neutrophilic leukaemia with enlarged lymph nodes and lysozyme deficiency W FEREMANS, L MARCELIS, D ARDICHVILI 324

Increased erythrocyte superoxide dismutase activities in beta-thalassaemia/haemoglobin E and in haemoglobin H disease TENCHESSOMANUS, PS WASI 329

Raised Coulter mean corpuscular volume in diabetic ketoacidosis, and its underlying association with marked plasma spectromolarity LA EVAN-WONG, RJ DAVIDSON 334

Changes in the blood platelets of alcoholics during alcohol withdrawal RF PINK, RH HUTTON 337

Automated reading of a microtitre plate: preliminary evaluation in antimicrobial susceptibility tests and Enterobacteriaceae identification RJ COWCILL, H DELEERSNYSER, M ROUSSIE-BELVALLEE, GR MARTIN 341

Streptococcus viridans and other anaerobes isolated from bile Y SAKAGUCHI, KMURATA, KMIMURA 345

Detection and identification of group B streptococci by use of pigment production MA NOBLE, JACQUELINE M BENT, ANN B WEST 350

A rapid method for the detection of antibodies to Toxoplasma gondii using a modification of the Toxoreagent latex test VANGESTON, AL MARTIN, AH BALFOUR 361

Relation between antithrombin III and clinical and serological parameters in systemic lupus erythematosus MP JARRETT, DG GREEN, SIUNG-HSIN TS'AO 357

Technical method

A rapid method for the detection of antibodies to Toxoplasma gondii using a modification of the Toxoreagent latex test VANGESTON, AL MARTIN, AH BALFOUR 361

Letters to the Editor 363

Book reviews 364

New titles 364

Notice 364

4 April 1983

Review article

Clinical pathology of alcohol VMARKS 365

Heterogeneity of HLA-DR-positive histiocytes in human intestinal lamina propria: a combined histochemical and immunohistological analysis WS SELBY, LW POUltER, SHOBBES, DP JEWELL, G JANOSSY 379

Observer variation in the histological grading of rectal carcinoma GDH THOMAS, MF DIXON, MC SWEETING, MS WILLIAMS 385

Histopathological systems of breast cancer classification: reproducibility and clinical significance B STEINKVIST, E BENGTSSON, JERIKSSON, T JARKRANS, B NORDIN, S WESTMAN-NASSER 392

Destructive receptor assay of cryostat sections of human breast carcinomas with simultaneous quantitative histology RE UNDERWOOD, VM DANGERFIELD, MA PARSONS 399

Application of ELISA for assessment of antisera immunoreactivity in endocrine immunocytochemical studies W NIEUWENHUIJZEN KRUSEMAN 406
Immunoperoxidase techniques: the deleterious effect of sodium azide on the activity of peroxidase conjugates TC RICHARDSON, DEBORAH Y CHAPMAN, BADIE HEYDERMAN ........... 411
Biochemical and histopathological studies on patients with mucopolysaccharidoses, two of whom had been treated by fibroblast transplantation JULIE CROW, DOBOTHY A GIBBS, WENDY COZENS, ELIZABETH SPELLACY, RWE WATTS ....... 415
Type III glycogenosis presenting as liver disease in adults with atypical histological features IW FELLOWS, JS LOWE, AL OGLVIE, A STEVENS, PJ TOGHELL, M ATKINSON .................... 431
Food-starch granulomatous peritonitis JD DAVIES, JD ANSELL .................. 435
A novel immunoradiometric assay for human liver ferritin A AI-SHAWI, ANNE DAWAY, J LONDON .......... 440
Hypothesis: the aplastic crisis of hereditary spherocytosis is due to a single transmissible agent PP MORTIMER .......... 443
Impairment of neutrophil chemotaxis by serum from patients with chronic lymphoproliferative disease U JAYASWAL, S ROPER, S ROATH ............. 449
Demonstration of pathogenic bacteria in "sterile" inflammatory exudates RC BRIDGER .......... 454
Prophylaxis for infective endocarditis: antibiotic sensitivity of dental plaque TW MACFARLANE, DA MCGOWAN, K HUNTER, D MACKENZIE ........... 459
Grouping and detection of group B streptococci by immunofluorescence D CASTLE, JANE DEELEY, CSF EASMON .......... 463
Counterimmunoelectrophoresis in the serodiagnosis of Legionnaires' disease MG HOLLIDAY .......... 466
Significance and value of the Widal test in the diagnosis of typhoid fever in an endemic area T PANG, SD PUTHUHEARY .......... 471
Minimal criteria for the identification of Gardnerella vaginalis isolated from the vagina JLS JOLLY .......... 476
Contamination of specimen container surfaces during sputum collection BW ALLEN, JH DARRELL .......... 479
Technical method
Artificial dental erosion period for the destruction of somatic adenosine triphosphate in urine specimens PC M CWALTER, CA SHARP, GE STERN ................. 482
Letters to the Editor ................. 483
Book reviews ................. 485
Some new titles ................. 488
Notice ........................................ 488

No 5 MAY 1983

Middle Eastern intestinal lymphoma: a morphological and immunohistochemical study PI SAACSON, HS AL-DEWACHI, DY MASON .......... 489
Raised 5-hydroxytryptamine concentrations in enterochromaffin cells in adult coeliac disease L ENERBÄCK, C HALLERT, K NORBY .......... 499
Benign mesenchymoma of the stomach MH QAQANI, N KRASNER, M ASHWORTH .......... 504
Polyamines in colorectal cancer—a clinical and experimental approach R CARACHI, JG BEELEY .......... 508
Histology of rectal gonorrhoea in men, with a note on anorectal infection with Neisseria meningitidis A MCMILLAN, G MONELLAGE, HM GILMOUR, FD LEE .......... 511
Angiosarcoma developing around a foreign body J HAYMAN, H HUGGENS .......... 515
Muscle morphology and metabolism in hypothyroid myopathy: effects of treatment AA KHALEELI, K GOHL, G MCPHAIL, JM ROUND, RHT EDWARDS .......... 527
Use of flexible plastic film isolators in performing potentially hazardous necropsies PC TREVLLER, AM GILMOUR .......... 527
Detection of immunoglobulins G and A on the cell membrane of hepatocytes from patients with alcoholic liver disease A TREVISAN, R CAVIGLI, R MELICONI, GF STEFANINI, S ZOTTI, M RUGGE, F NOVENTA, C BETTERLE, G REALDI .......... 530
Towards an automated procedure for the quantitative cytological screening of cervical neoplasms AM SINCOCK, J MIDDLETON, D MONCURE, R J SHERIDAN .......... 535
Transferrin receptors in human tissues: their distribution and possible clinical relevance K C GATTER, G BROWN, IS TROWBRIDGE, RITA-ELIZABETH WOOLSTON, DY MASON .......... 539
Histopathology of the lung after bone marrow transplantation JP SLOANE, MH DEPLEDGE, RL POWLES, GR MORGENSEN, BS TRICKEY, PJ DADY .......... 546
Membrane Fe-IgG and C3b receptors on myeloid leukaemia cells: a comparison with cytoplasmic acid naphthyl acetate esterase cytochemistry CS SCOTT, AG BYNGE, DC LINCH, C ALLEN, D HOUGH, BE ROBERTS .......... 555
Lymphoma-like presentation of acute monocytic leukaemia BARBARA BAIN, A MANOHARAN, I LAMPERT, C MCKENZIE, D CAROYK .......... 559
Prevalence and distribution of ringed sideroblasts in primary myelodysplastic syndromes SK JUNEA, M IMBERT, F SAGAUX, H JOUAULT, C SULTAN .......... 566
Preoperative antithrombin III activities and lipoprotein concentrations as predictors of venous thrombosis in patients with fracture of neck of femur JH WINTER, A FENCH, B BENNET, AS DOUGLAS .......... 570
Freeze dried cryoprecipitate: a clinical evaluation HM HAMBLEY, JF DAVIDSON, JD WALKER, M SMALL, CRM PRENTICE .......... 574
Incidence of infection with hepatitis B virus in 56 patients with haemophilia A 1971-1979 ML STIRLING, JA MURRAY, P MACKAY, SH BROWN, DE PEDEMBER, CA LUDLAM .......... 577
Enzyme-linked immunosorbent assay (ELISA) for the detection of hepatitis B antigen and antibody: report of a field trial E MARGARET SUPRAN, ELIZABETH H BOXALL, J CRASKE, JR HART, ELISE M VANDEVERLDE, PS GARDNER .......... 581
Comparison of the effects of filtration leukapheresis and discontinuous flow centrifugation leukapheresis on granulocyte microbicidal function S MARTIN, AT GHONEIM, EAE ROBINSON, JA CHILD .......... 586
A selective medium for Pasteurella multocida and its use with animal and human specimens DP KNIGHT, JANE E PAINE, DCE SPELLER .......... 591
Comparative study of subculture, Gram staining and acridine orange staining for early detection of positive blood cultures G MASCART, F BERTRAND, P MASCART .......... 595
Measurement of bilirubin, cholesterol and creatinine in serum and plasma, by solid-phase reflectance spectroscopy JF STEVENS, W TSANG, RG NEWALL .......... 598
Technical method
Purification of Toxoplasma gondii from host cells RJ DAIL, AM JOHNSON .......... 602
Comparison of serum amyloid A protein and C-reactive protein concentrations in cancer and non-malignant disease **JG RAYNES, EH COOPER** ................................................................. 798
Plasma spermidine concentrations as early indication of response to therapy in human myeloma **GA VAN DOBBENBURGH, B HOUWEN, H JURJENS, JJ MARRINK, MR HALIE, HO NIEVEG** ................................................................. 804
Effect of ammonium chloride treatment on human polymorphonuclear leucocyte iodination **WA PHILLIPS, CS HOSKING, MJ SHELTON** ................................................................. 808
Release of beta-thromboglobulin during the preparation, in vitro storage and cryopreservation of platelet concentrates **M ANN TAYLOR** ................................................................. 811
Resistance to lysis of erythrocytes containing haemoglobin C—detected in a differential white cell counting system **F BOOTH, SUSANNE V MEAD** ................................................................. 816
Comparison of Phadebact coagglutination tests with counterimmunoelctrophoresis for the detection of bacterial antigens in cerebrospinal fluid **DS TOMPKINS** ................................................................. 819
Early detection of bacterial growth in blood culture by impedance monitoring with the **Bactometer** **ANNE MACKLAND, S KESOCK-PHILIP, S BASCOMB** ................................................................. 823
A study of the oxygen and carbon dioxide requirements of thermophilic campylobacteria **FI BOLTON, D COATES** ................................................................. 829
Letters to the Editor ........................................................................................................ 834
Some new titles ............................................................................................................. 837
No 8 AUGUST 1983

Formaldehyde in pathology departments **RP CLARK** .................................................. 839
A data processing system adapted to the special needs of the emergency laboratory **D NEUMEIER, H SATOR, GE RINDFLEISCH, M KNEDL** ................................................................. 847
Computer programs in cytology reporting and record keeping **KV SWETTENHAM, CD NICKOLS, CL BERRY** ................................................................. 856
Thrombosis and synovial fluid in multicentric reticulohistiocytosis—a light microscope and cytochemical analysis of one case **AJ FREEMONT, CJ JONES, J DENTON** ................................................................. 860
Changes in the Paneth cell population of human small intestine assessed by image analysis of the secretory granule area **MARGARET E ELMS, J GWYN JONES, MR STANTON** ................................................................. 867
Blood group antigens in the normal and neoplastic bladder epithelium **SUSAN J THORPE, A ABEL, G SLAVIN, TEN FEIZI** ................................................................. 873
Demonstration of light chain monotypia in B cell non-Hodgkin's lymphomas using unfixed freeze-dried and formalin-fixed trypsinised paraffin sections **Z NEMES, V THOMÁZY, G SZEFERT** ................................................................. 883
Calcium pyrophosphate dihydrate (CPPD) deposition in ochronotic arthropathy **J MCCLURE, PS SMITH, AMANDA A GRAM** ................................................................. 894
Use of the cryostat section in electron microscopy **P NORRIS, DW GRIFFITHS** ................................................................. 903
Increased transfer of iron to the fetus after total dose infusion of iron dextran during pregnancy **D BINGHAM, MM KHALAF, G WALTERS, JT WHICHER** ................................................................. 907
Differential effect of detergents on the alkaline denaturation of haemoglobin in maternal and fetal blood, with particular reference to Triton X-100 **CG DUCK-CHONG** ................................................................. 910
Analysis of the complexity of the multimeric structure of factor VIII related antigen/von Willebrand protein using a modified electrophoretic technique **MS ENAYAT, FGH HILL** ................................................................. 915
Faecal carriage rate of *Aeromonas hydrophila* **SALLY E MILLERSHIP, SR CURNOW, B CHATTOPADHYAY** ................................................................. 920
The value of screening blood donors for antibody to hepatitis B core antigen **AC ARCHER, BJ COHEN, PP MORTIMER** ................................................................. 924
A miniaturised and simplified technique for typing and subtyping herpes simplex virus **JM DARVILLE** ................................................................. 929
Growth hormone and malignancy **GS ANDREWS** .......................................................... 935
Angiotensin-converting enzyme and its clinical significance—a review **PR STUDDY, RUTH LAPWORTH, R BIRD** ................................................................. 938
Quality assessment of blood glucose monitors in use outside the hospital laboratory **RF DRUCKER, DR WILLIAMS, CP PRICE** ................................................................. 948

**Technical methods**

A new bone marrow aspiration needle to overcome the sampling errors inherent in the technique of bone marrow aspiration **A ISLAM** ................................................................. 954
Letters to the Editor ........................................................................................................ 958
Book reviews ................................................................................................................... 960
Some new titles ............................................................................................................. 962
Notice ............................................................................................................................... 962

No 9 SEPTEMBER 1983

**Symposium report**

Blood culture—current state and future prospects **JC GOULD, BI DURDEN** ................................................................. 963
Isolation of *Legionella pneumophila* from clinical specimens via amoebae, and the interaction of those and other isolates with amoebae **TI ROWBOTHAM** ................................................................. 978
Bacteriological examination of removed cerebrospinal fluid shunts **R BAYSTON, TERESA SM LEUNG, BARBARA M WILKINS, BRENDA HODGES** ................................................................. 987
Evaluation of some methods for the laboratory identification of *Haemophilus influenzae* **GM TEBBUTT** ................................................................. 991
Comparison of the continuous cell line 293 with human embryo kidney cells and human embryo fibroblast cells for the cultivation of ocular viruses **DL YERRELL, APCH ROOME, JM DARVILLE, CR ASHLEY, J HARBOUR** ................................................................. 996
Correlation of lysosomal enzyme abnormalities in various forms of adult leukaemia **GTM BESLEY, SE MOSS, AD BAIN, AE DEWAR** ................................................................. 1000
Hyaline-vascular variant of angiofollicular lymph node hyperplasia with systemic manifestations and response to corticosteroids **GP SUMMERTIELD, W TAYLOR, AJ BELLINGHAM, MJ GOLDSMITH** ................................................................. 1005
# Contents

Myelofibrosis as a cause of pancytopenia in systemic lupus erythematosus  HELEN M DALY, GL SCOTT .......................... 1219
Platelet peroxidase deficiency in a case of myelodysplastic syndrome with myelofibrosis  MICHELE IMBERT, MARIE THERESE JARRY, MICHEL TULUEZ, JEANNE BRETON-GORIS .......................... 1223
Continuous opacity monitoring of the growth of bacteria under strict anaerobic conditions  F O'GRADY, A ELEY .......................... 1229
Use of gas-liquid chromatography as a screening test for toxigenic Clostridium difficile in diarrhoeal stools  P PEPPERSACK, M LABBE, C NONHOFF, E SCHOLTENS .......................... 1233
Detection of a cytotoxic factor from Campylobacter jejuni  WP YEEN, JD PITHUVJEKA, F PANG .......................... 1237
An evaluation of gentamicin EMIT—its performance on the Kem-O-Mat and its role in the small laboratory  RG MASTERTON, RE TETTMAR, PW STRIKE, S WILLIAMS .......................... 1241
Detection of antibodies against Legionella pneumophila serogroups 1 to 6 and the Leiden-I strain by micro ELISA and immunofluorescence assay  P HERRBRINK, PL MEEHORST, DG GROOTSCHOLM, HVD MUNICHOFS, R BAX, GJL MEIJER, J LINDEMAN .......................... 1246
Use of the direct haemolysis-in-gel test for rubella antibodies in the Icelandic prevention programme  V MEBERG, P HERBRINK, PL MEENHORST, C TULELEZ, MICHEL VREILE .......................... 1250
The exanthem of Ross River Virus infection: histology, location of virus antigen and nature of inflammatory infiltrate  JRE FRASER, VM RATNAMOHAN, JG DOWLING, GI BECKER, GA VARGOS .......................... 1256
Mucosal prolapse syndrome—a unifying concept for solitary ulcer syndrome and related disorders  CLAIR EH du BOULAY, J FAIRBROTHER, PG ISAACSON .......................... 1264
Measuring reactivity and validity of histological diagnosis—a brief review with some practical examples  P SILCOCKS .......................... 1269
Histopathology reporting of mammography specimens—an assessment of inter-hospital variation  J VAN DER WALT, SIA BATHUN, GJ BERRY .......................... 1276
Bone histoquantitative findings and histochemical staining reactions in nutritional osteoporosis  JRA FIALHORST, DP JERROLD, WM SCHEINER .......................... 1281
Bone marrow aluminium storage in renal failure  M KAYE .......................... 1288
Pathology of meconium ileus equivalent  ISOCOMA, M WELL, M FOX .......................... 1292
A case of longstanding primary sclerosing cholangitis  BM GODSTONE, GG BIRNIE, G WATSON, RNH MACSWEEN .......................... 1298
Liver membrane antibodies in alcoholic liver disease  RS ANTHONY, S SMITH, B JOUTHAN, RNH MACSWEEN .......................... 1302
A comparison of cellulose acetate immunofixation (CAIF) with polyacrylamide gel electrophoresis (PAGE) for the detection of oligoclonal bands in unconcentrated cerebrospinal fluid (CSF)  PG GOODLAND, RJ THOMPSON .......................... 1309
Biochemical analysis of enzymic markers of inflammation in rectal biopsies from patients with ulcerative colitis and Crohn's disease  C O'MORAIN, P SMITHURST, J LEVI, TJ PETERS .......................... 1312

## Technical methods

Colposcopic biopsies of the cervix  G PHILLIP, AN SPICER .......................... 1317
A mechanised batch screening method for the detection of bacteruria  P KERKPO, D MEGHIE, E CAHILL, T FOUNTAIN .......................... 1318
Letters to the Editor  ........................................ 1319
Notices  ........................................ 1322

No 12 DECEMBER 1983

### Review article

Histomorphometry of bone  PA REVELL .......................... 1323
Study of nuclear sizes in the centres of malignant and benign lymphoid follicles  J CROCKER, BL JONES, RC CURRAN .......................... 1332
Subarachnoid haemorrhage due to upper cervical trauma  WA HARLAND, JP FITTS, AAW TAYLOR .......................... 1335
Microdeposits of amyloid in sclerocalcific heart valves: a histochemical and immunofluorescence study  Y GOFFIN, WENDY MURDOCH, GG CORNWELL, GD Sorenson .......................... 1342
Lactate dehydrogenase culture necessary for the isolation of Campylobacter jejuni  SW HUTCHISON, FJ BOLTON .......................... 1350
Detection of penicillin tolerance in streptococci  Greta J SLATER, D GREENWOOD .......................... 1353
Selectiver Kiirchner medium in the culture of specimens other than sputum for mycobacteria  DA MICKISON, BW ALLEN, D MANICKAVASAGAR .......................... 1357
Assessment of fat malabsorption  TEH LIP BIN, M STOPARD, S ANDERSON, A GRANT, D QUANTRILL, RH WILKINSON, DP JEWELL .......................... 1362
Non-volatile fatty acids in the diagnosis of non-specific vaginitis  CA ISON, CSF EASMON, SG DAWSON, G SOUTHERN, JWR HARRIS .......................... 1367
Measurement of the enzymes lactate dehydrogenase and creatine kinase using reflectance spectroscopy and reagent strips  JF STEVENS, W TSANG, RG NEWALL .......................... 1377
Fibronectin in blood products—an in vitro and in vivo study  JT REILLY, BA MCVERRY, MJ MACKIE .......................... 1377
Effect of new plastics and leucocyte contamination on in vitro storage of platelet concentrates  MA TAYLOR, NP TANDY, ID FRASER .......................... 1377
No evidence for a prethrombotic state in stable chronic inflammatory bowel disease  EAR KNOT, JW TEN CATE, O CH LEEKSMA, GN TYGAT, J VREEKEN .......................... 1387
Identification of cellular immunoglobulins in chronic lymphocytic leukaemia by immunoperoxidase staining  GERALDINE M MARKEY, RE MCCONNELL, HD ALEXANDER, TM MORIES, JH ROBERTSON .......................... 1391
Lactoferrin-deficient neutrophil polymorphonuclear leucocytes in leukaemias: a semiquantitative and ultrastructural cytochemical study  JUN MIYAMUCHI, Y WATANABE, Y ENOMOTO, KEI TAKEUCHI .......................... 1397

## Technical methods

Revitalising postmortem coronary angiography  SB COGHILL, SM NICOLL, A MCKIMMIE, I HOUSTON, BM MATTHEW .......................... 1406
A simplified hot-wire cutting aid for PVC trays used in radioimmunoassay  A ANDERSON, G FLEMING, CD INSKIP, GK SCOTT .......................... 1410
Letters to the Editor  ........................................ 1417
Notices  ........................................ 1417
List of Assessors  ........................................ 1418
Annual Author Index to Volume 36  ........................................ 1419
Annual Subject Index to Volume 36  ........................................ 1423
Annual Contents to Volume 36  ........................................ 1435