

phosphate leads to increased glomerular filtration rate in diabetes mellitus. A new hypothesis. *Acta Endocrinol [Suppl] (Copenh)* 1981;242:16-8.

⁵¹ Brenner BM, Hostetter TH, Humes HD. Molecular basis of proteinuria of glomerular origin. *N Engl J Med* 1978; 298:826-33.

⁵² Westberg NG. Diabetic nephropathy. Pathogenesis and prevention. *Acta Endocrinol [Suppl] (Copenh)* 1980; 94:85-100.

⁵³ Kefalides NA. Biochemical properties of human glomerular basement membrane in normal and diabetic kidney. *J Clin Invest* 1974;53:403-11.

Requests for reprints to: Dr H Keen, Unit for Metabolic Medicine, Department of Medicine, Guy's Hospital, London SE1 9RT, England.

The October 1981 Issue

THE OCTOBER 1981 ISSUE CONTAINS THE FOLLOWING PAPERS

Is copper heptaotoxic in primary biliary cirrhosis? O EPSTEIN, B ARBORGH, M SAGIV, R WROBLEWSKI, PJ SCHEUR, S SHERLOCK

Localisation of immunoglobulin on the liver cell surface in primary biliary cirrhosis K KROGSGAARD, U TAGE-JENSEN, P WANTZIN, J ALDERSHVILE, F HARDT

Quantitative study of the immunoglobulin containing cells in trephine samples of bone marrow J CROCKER, RC CURRAN

Cell volumes of normal and malignant mononuclear cells ELIZABETH H CHAPMAN, AS KUREC, FR DAVEY

Production of freeze-dried human antihemophilic cryoprecipitate G MILLIGAN, R GRAHAM, S HANRATTY, W MUIR, R MITCHELL

Amniotic fluid fluorescence polarisation values for assessing fetal lung maturation M LEGGE, HC POTTER

Urinary excretion of glycosaminoglycans and hydroxyproline in Paget's disease of bone, compared with neoplastic invasion of bone LYNNE BOWER, G MANLEY

Some observations on the assay of arylsulphatase A in urine DF DAVIDSON

Evaluation of the Phadebact Gonococcus Test in the identification of *Neisseria gonorrhoeae* in a routine diagnostic laboratory DS TOMPKINS, BBG NEHAUL, CAROLYNN AF SMITH, E MARY COOKE

Appraisal in the diagnostic laboratory of three commercially available anaerobic cabinets KD PHILLIPS, AT WILLIS

Contamination of the environment by special purpose centrifuges used in clinical laboratories GJ HARPER

Simplified procedure for the routine isolation of *Clostridium difficile* from faeces SP BORRIELLO, PAULINE HONOUR

Diffusion in gel-enzyme-linked immunosorbent assay—a new serological test for leptospirosis RTM CURSONS, PA PYKE

An on-line computer system for hospital bacteriology: description of its development and comments after five years' use JN BLAIR, PP BROWN

Pneumocystis carinii pneumonia: a light microscopical and ultrastructural study PS HASLETON, A CURRY, EM RANKIN

Effect of oxygen on the lungs after blast injury and burns PS HASLETON, P PENNA, J TORRY

Ectopic vestigial lesions of the neck and shoulders DS SHAREEF, R SALM

Autoantibody to nerve tissue in a patient with a peripheral neuropathy and an IgG paraprotein HF SEWELL, JB MATTHEWS, ELAINE GOOCH, P MILLAC, A WILLOX, MA STERN, F WALKER

Myocardial fibre calcification J MCCLURE, AS PIETERSE, DJ POUNDER, PS SMITH

Clinical and histological features of a group of patients with sporadic non-A, non-B hepatitis MAY BAMBER, AK MURRAY, IVD WELLER, A MORELLI, PJ SCHEUER, HC THOMAS, SHEILA SHERLOCK

Measurements of intestinal villi in non-specific and ulcer-associated duodenitis—correlation between area of microdissected villus and villus epithelial cell count M HASAN, ANNE FERGUSON

Technique for identifying areas of interest in human breast tissue prior to embedding for electron microscopy DJP FERGUSON, TJ ANDERSON

Technical methods

Automated technique for the rapid processing of breast tissue for subgross examination SARAH L MANTON, DJP FERGUSON, TJ ANDERSON

Letters to the Editor

Book reviews

Copies are still available and may be obtained from the PUBLISHING MANAGER, BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, LONDON WC1H 9JR, price £3.00, including postage

- natal age. *Pediatr Res* 1976;10:759-62.
- ¹⁶ Sapirstein LA, Vidt DC, Mandel MJ, Hanusek G. Volumes of distribution and clearances of intravenously injected creatinine in the dog. *Am J Physiol* 1955;181:330-6.
- ¹⁷ Chantler C, Garnett ES, Parsons V, Veall N. Glomerular filtration rate measurement in man by the single injection method using ⁵¹Cr EDTA. *Clin Sci* 1969;37:169-80.
- ¹⁸ Camara AA, Arn KD, Reimer A, Newburgh LH. The twenty-four hour endogenous creatinine clearance as a clinical measure of the functional state of the kidneys. *J Lab Clin Med* 1951;37:743-63.
- ¹⁹ Schwartz GJ, Haycock GB, Spitzer A. Plasma creatinine and urea concentration in children: normal values for age and sex. *J Pediatr* 1976;88:828-30.
- ²⁰ Schwartz GJ, Haycock GB, Edelman CM Jr, Spitzer A. A simple estimate of glomerular rate in children derived from body length and plasma creatinine. *Pediatrics* 1976;58:259-63.
- ²¹ Counahan R, Chantler C, Ghazali S, Kirkwood B, Rose F, Barratt TM. Estimation of glomerular filtration rate from plasma creatinine concentration in children. *Arch Dis Child* 1976;51:875-8.
- ²² Morris MC, Allanby CW, Toseland P, Haycock GB, Chantler C. Prediction of change of glomerular filtration rate from change in plasma creatinine concentration in children. *Pediatr Res* 1980;14:983 (abstract).
- ²³ Cockcroft D, Gault M. Prediction of creatinine clearance from serum creatinine. *Nephron* 1976;16:31-41.
- ²⁴ Rodriguez-Soriano J, Boichis H, Edelman CM Jr. Bicarbonate reabsorption and hydrogen ion excretion in children with renal tubular acidosis. *J Pediatr* 1967;71:802-13.
- ²⁵ Wrong O, Davies HEF. The excretion of acid in renal disease. *Q J Med* 1959;28:259-313.
- ²⁶ Halperin ML. Pathogenesis of type I (distal) renal tubular acidosis: re-evaluation of the diagnostic criteria. *Ann Roy Coll Phys Surg Can* 1975;7:103.
- ²⁷ Kennedy TJ Jr, Orloff J, Berliner RW. Significance of carbon dioxide tension in urine. *Am J Physiol* 1952;169:596.

Reports and Bulletins prepared by the Association of Clinical Biochemists

The following reports and bulletins are published by the Association of Clinical Biochemists. They may be obtained from The Publishing Department, British Medical Journal (ACB Technical Bulletins), BMA House, Tavistock Square, London WC1H 9JR. Overseas readers should remit by British Postal or Money Order.

SCIENTIFIC REVIEWS (price £1.00/\$2.00 each)

- 1 The assessment of thyroid function March 1971
FV FLYNN and JR HOBBS
- 2 Renal function tests suitable for clinical practice
January 1972 FL MITCHELL, N VEALL, and RWE WATTS
- 3 Biochemical tests for the assessment of fetoplaental
function May 1975 CE WILDE and RE OAKEY
- 4 Test of exocrine pancreatic function March 1977
AH GOWENLOCK
- 5 Assay of cholinesterase in clinical chemistry March
1979 ELSIE SILK, J KING, and MARY WHITTAKER

TECHNICAL BULLETINS (price £1.00/\$2.00 each)

- 22 Bilirubin standards and the determination of bilirubin
by manual and technicon AutoAnalyzer methods
January 1971 BARBARA BILLING, RUTH HASLAM, and N
WALD
- 23 Interchangeable cells for spectrophotometers and
fluorimeters September 1971 SS BROWN and AH
GOWENLOCK
- 24 Simple tests to detect poisons March 1972 BW
MEADE *et al.*
- 25 Blood gas analysers May 1972 K DIXON
- 26 Kits for enzyme activity determination September
1972 SB ROSALKI and D TARLOW
- 27 Assessment of pumps suitable for incorporation into
existing continuous flow analytical systems November
1972 A FLECK *et al.*
- 28 Routine clinical measurements of transferrin in
human serum September 1973 K DIXON

- 29 Control materials for clinical biochemistry (5th
edition) September 1973 JF STEVENS

- 30 Notes on the quality of performance of serum
cholesterol assays September 1973 SS BROWN

- 31 Determination of uric acid in blood and in urine
July 1974 RWE WATTS

- 32 A survey of amino acid analysers readily available in
the United Kingdom September 1974 JE CARLYLE
and P PURKISS

- 33 Definitions of some words and terms used in auto-
mated analysis November 1974 A FLECK, R ROBINSON,
SS BROWN, and JR HOBBS

- 34 Measurement of albumin in the sera of patients
January 1975 LINDA SLATER, PM CARTER, and JR HOBBS

- 35 Investigation of the validity of temperature correction
factors for serum aspartate and alanine transaminases
March 1975 SB ROSALKI *et al.*

- 36 Factors influencing the assay of creatinine November
1975 JGH COOK

- 37 A survey of enzyme reaction rate analysers readily
available in the United Kingdom July 1977 RA
SAUNDERS and RF BURNS

- 38 Transport of specimens for clinical chemistry anal-
ysis November 1977 P WILDING, JF ZILVA, and
CE WILDE

- 39 A scheme for the evaluation of diagnostic kits May
1978 PH LLOYD

- 40 A practical guide to gamma-counting in radio-
immunoassay January 1980 CE WILDE and D OTTEWELL

- 41 The use of biochemical tests in the diagnosis of
disorders of calcium metabolism July 1980 ANGELA
FAIRNEY

The efficiency of washing in relation to the volume of the washing solution (PBS-Tween solution) was previously reported.² The last drop (0.1 ml) retained in the TPR is aspirated by vacuum via the bottom hole. For simultaneous aspiration of the TPR contents, I utilised an inverted "wash box" glued to a plate to form a closed box with 24 holes and conical outlets facing upwards. The closed box is connected to a standard vacuum aspiration system via a side hole by a tube. The TPRs can thus be simultaneously aspirated by aligning the bottom holes of the TPRs with the conical outlets of the inverted "wash box" (Fig. 4).

The advantages of the new washing technique described in this paper are: (i) it is extremely easy, (ii) it requires only one aspiration at the end, whereas multiple intermittent aspirations are necessary in the conventional methods, (iii) any desired volume of washing solution can be applied without significant additional effort, (iv) it requires no sophisticated equipment and (v) multiple TPR trays can be stacked and washed together, when the liquid contents of the TPRs are identical.

HYDOW PARK
Rheumatology-Immunology Center,
Veterans Administration Medical Center,
Philadelphia, PA 19104, USA

References

- ¹ Voller A, Bidwell D, Bartlett A. Enzyme-linked immunosorbent assay. In: Rose NR, Friedman H, eds. *Manual of clinical microbiology*. Washington DC: American Society for Microbiology, 1980:359-71.
- ² Park H. A new plastic receptacle for solid phase immunoassays. *J Immunol Methods* 1978;20:349-55.

Notices

Benjamin Castleman Award

For the purpose of promoting those high ideals of teaching, practice and research in pathology which Dr Benjamin Castleman imbued in his associates, trainees, and students, the Trustees of Massachusetts General Hospital and Dr Castleman's former students and colleagues announce the second Benjamin Castleman Award for an outstanding paper in the field of human pathology published in English during the calendar year 1981. The subject may represent any topic in pathology but must be based on human material with emphasis on morphological or anatomical approaches. On papers with multiple authorship, only one author is eligible. The Awardee must be a pathologist or pathologist-in-training who has not yet reached his 40th birthday in 1981. Papers by pathology residents, trainees and fellows are encouraged. The prize will consist of a check for US\$1000 and a certificate (travel will not be paid). The Award will be announced and presented at the 71st annual meeting of the United States-Canadian Division of the International Academy of Pathology, 1-5 March, 1982, Boston, Massachusetts.

Nominations should consist of 12 reprints (or preprints) of the manuscript, and a letter attesting to the nominee's age, and dates and places of residency training, and role in the investigation if other than the first author.

Nominations should be submitted not later than 15 January 1982 to:

Sanford I Roth MD,
Secretary,
The Award Committee,
Benjamin Castleman Award,
c/o Department of Pathology,
University of Arkansas for Medical
Sciences,
4301 W Markham,
Little Rock, AR 72205, USA.

Society for Cutaneous Ultrastructure Research 9th Annual Meeting

The 9th Annual Meeting of SCUR will be held at the University Medical Centre, Leiden, The Netherlands on 1-3 April, 1982. Dermatologists, biologists and other interested scientific workers are invited to participate. For details and registration forms, please write to:

Dr BJ Vermeer,
Secretary of the Organising Committee,
Department of Dermatology,
University Medical Centre,
Rijnsburgerweg 10,
2333 AA Leiden,
The Netherlands.