
Reports and Bulletins prepared by the Association of Clinical Biochemists

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Multiple immunological abnormalities in a family


The October 1971 Issue

THE OCTOBER 1971 ISSUE CONTAINS THE FOLLOWING PAPERS

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- Histological findings in pseudomemranous trigonitis: L. HENRY AND M. FOX
- Pathology of Tangier disease: PATRICIA M. BALE, P. CLIFTON-BLIGH, B. N. P. BENJAMIN, AND H. M. WHYTE
- Histochemical detection of the enzyme deficiency in blood films in Wolman's disease: BRIAN D. LAKE
- Idiopathic thrombocytopenic purpura with normal platelet survival time: G. W. K. DONALDSON, A. C. PARKER, M. MCARTHUR, AND J. RICHARD
- Part I Identification of the clotting defect in a colony of beagles
- Part II Clinical applications
- Part III Quality control of tissue thromboplastin extracts by factor VII-deficient plasma
- A method for studying antibiotic concentrations in inflammatory exudate: J. A. RAEBURN
- Colicine types of *Shigella sonnei* isolated in Hong Kong: C. H. CHAN-TEOH, W. T. WONG, C. T. HUANG, AND H. SHUM
- Identification of *Corynebacterium diphtheriae* by immunofluorescence during a diphtheria epidemic: A. W. MCCrackEN AND C. U. MAUNEY

Chick embryo inoculation as a pathogenicity test for Candida species: BETTY M. PARTRIDGE, M. A. ATHAR, AND H. I. WINNER

- Study on dioxan separation in the radioimmunoassay of human growth hormone, human chorionic gonadotrophin, adrenocorticotrophic hormone, and insulin: M. STAHL, J. GIRARD, J. B. BAUMANN, AND P. W. NARS
- Abbreviations for names of enzymes of diagnostic importance: D. N. BARON, D. W. MOSS, P. G. WALKER, AND J. H. WILKINSON
- Beta-propiolutone as an agent for enzyme sterilization: K. J. STOKES
- On-line acquisition of the output of a multi-channel analyzer (SMA 12/60) by means of an Elliott computer system: N. W. CARTER AND P. D. GRIFFITHS

*Technical methods*

- Quantitative estimation of protein by electroimmunodiffusion on Cellogel acetate membranes: J. WATKINS, BRENDA ATKINS, AND E. J. HOLBOROW
- A simple capillary tube method for the determination of the specific gravity of 25 and 50 µl quantities of urine: R. H. WATTS
- Demonstration of basement membrane in renal biopsies by silver-methenamine on thin epoxy-resin sections: R. C. GLADWIN
- Estimation of 3-O-methyl-D-glucose in the presence of glucose: K. N. FRAYND AND P. I. ADNITT

*Present day practice*

- Pitfalls of Australia antigen detection and screening: J. KOHN AND J. R. MORGAN
- Letters to the Editor
- Book reviews

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BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, WC1H 9JR price £1:05
Neuropathology: Methods and Diagnosis

This expensive book consists of chapters on a wide variety of neuropathological topics mostly by American authors but with some Scandinavian and British participation. It is divided into two main parts, the first entitled ‘Essentials’ and including chapters on such varying topics as the ‘Development of brain and spinal cord’, the ‘Neonatal neuropathologic examination’, ‘Histological and histochemical staining methods’, and ‘Injury of the central nervous system by chemical agents’. Part II is on special methods and is a curious mixture, including ‘Morphological study by special methods’, ‘Museum preparations’, and chapters on infectious diseases, prenatal and neonatal neuropathology, and neurochemistry.

In part I the chapters on embryogenesis and gross anatomy are both briefer accounts than can be found in many standard textbooks. That on the neuropathological necropsy ranges through such diverse subjects as necropsy consent, identification of the body, and ascertaining the state of death; it includes brief notes on many disorders which are associated with central nervous abnormalities and a fairly detailed account of examination of the skull and spine. The rather ordinary content of this chapter carries some 360 references, the majority before 1960. The chapter on examination of the brain and spinal cord again includes mention of many miscellaneous disorders but does have a long and well illustrated account of the blood supply of the brain and the pattern of cerebral infarction associated with major vessel occlusion. Chapters on ‘Neonatal neuropathologic examination’, ‘Fixation and selection of blocks for microscopic study’, and ‘Histological and histochemical staining methods’ are again standard accounts. The final two chapters on ‘Injury of the central nervous system by physical and chemical agents’ draws together information on a wide variety of topics, but mostly again in rather brief and inadequate form.

Part II on special methods includes occasional detailed chapters of interest in which subjects such as radioautography in neuropathology is briefly and competently described but sections on museum preparation, viral, fungal and parasitic infections make curiously incongruous inclusions within one volume. ‘Neonatal damage of the central nervous system’ is a standard account which one would expect the majority of trainees in pathology to master early in their training and lies next to a short introduction to the ‘Chemical basis of central nervous system function in humans’ and a detailed account of ‘Biochemical parameters of central cholinergic nerves’, and a fairly comprehensive account for a volume of this size on the ‘Lipid composition of the brain and its subcellular structures’.

The mixture of subjects is unusual and the majority are dealt with inadequately. Most morbid anatomists would prefer to turn to standard anatomy and neuropathology books for the morphological accounts and neurochemists would almost certainly find the specialized chapter on their subject inadequate for their purpose. Indeed it is unlikely that anyone with a special interest in the central nervous system will find much to interest or excite him in any part of this book. The illustrations are on the whole reasonably good and the quality of production of the volume is high but it is hard to imagine that the curious assortment of information presented would appeal to many people at the price for which it is offered.

B. E. Tomlinson

Plasma Protein Metabolism

This volume includes the loosely connected works of 53 experts in protein catabolism without the help of any continuing thread or selection of which of the many opinions is best based. Like the current plethora of published symposia and multi-author books, it is therefore for reference only, offering no guidance to the non-expert. For a particular niche in the field of protein metabolism it is likely a Medlars search would be much cheaper and no worse, with probably a better coverage but similarly unsorted and uncriticized.

Part I includes five chapters dealing with ‘Model systems and protein iso-

Book reviews

Combined Antibiotic Sensitivity Tests
As Professor L. P. Garrod has now retired the service operated at Hamme-

rsmith Hospital has now been transferred to University College Hospital, London, where Dr Joan Stokes and Miss Pamela Waterworth have agreed to carry out combined antibiotic sensitivity tests on request.