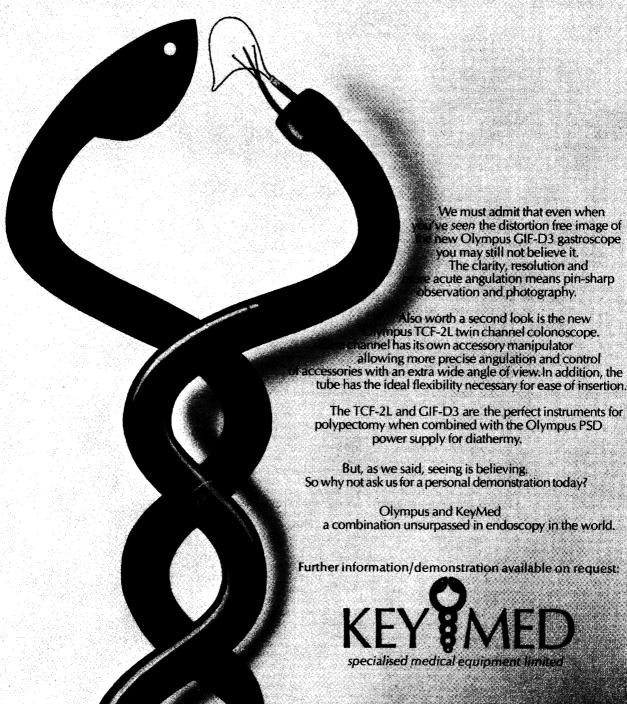
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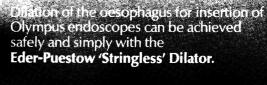




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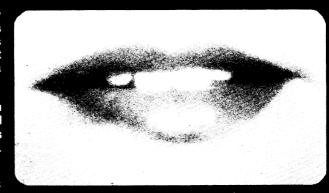




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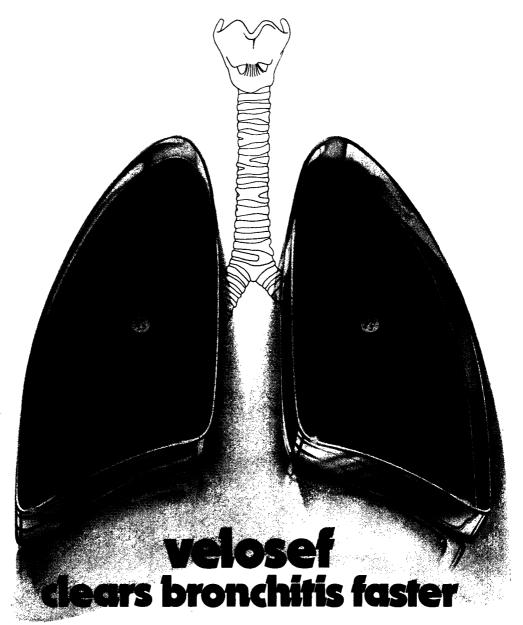


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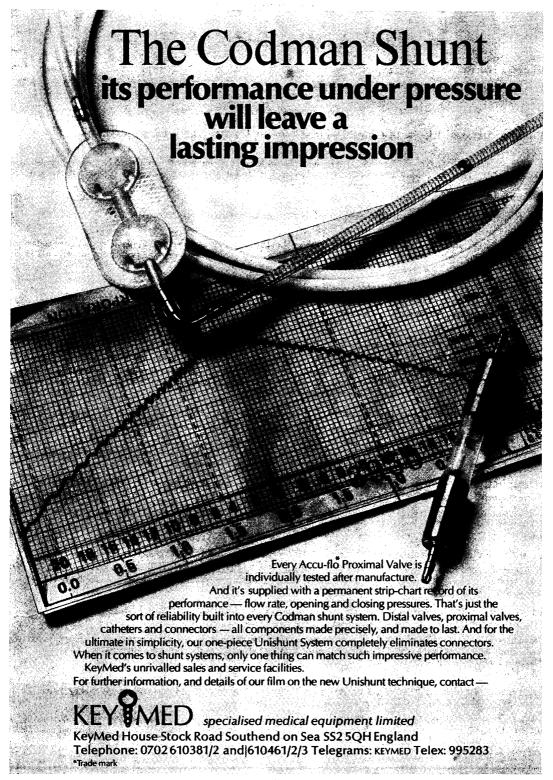
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PEDIATRIC RESEARCH

Volume 9, No. 12 December 1975

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Some Biochemical Effects of Chloral Hydrate in an Infant with a Tyrosinemia-like Syndrome

R. W. E. WATTS, R. A. CHAL-MERS, M. M. LIBERMAN, and A. M. LAWSON (Harrow, Middlesex, England) A patient with features resembling hereditary tyrosinemia is reported with indirect biochemical evidence of reduced 4-hydroxypheny pyruvate dioxygenase activity.

Somatic-Repsiratory Reflex and Onset of Regular Breathing Movements in the Lamb Fetus in Utero

S. Condorelli and E. M. Scarpelli (Bronx, New York)

This report describes the existence of a peripheral nerve-respiratory reflex and the generation of sustained spontaneous regular breathing movements in the fetus before birth.

Serum Glutathione Reductase and Cystic Fibrosis

B. L. SHAPIRO, Q. T. SMITH, and W. J. WARWICK (Minneapolis, Minnesota)

The elevated serum glutathione reductase (GR) activities detected in cystic fibrosis subjects are interpreted to suggest that GR may be involved in the pathogenesis of cystic fibrosis.

Enzymatic Adaptations by Cultured Adipocytes of Human Infants and Children: Effect of Obese Serum on the Activities of Lactate-, Malate-, and Glucose-6-phosphate Dehydrogenases

F. O. Авевонојо (Philadelphia, Pennsylvania)

The maturation of intracellular enzymes was compared in cultured adipocytes and fibroblasts of human infants and children and the effect of serum from obese children measured.

Assessment of Left Ventricular Function in Secundum Atrial Septal Defect: Evaluation by Determination of Volume, Pressure, and External Systolic Time Indices

A. R. LEVIN, P. R. LIEBSON, K. H. EHLERS, and B. DIAMANT (New York, New York) Children with secundum artrial septal defects were studied to determine whether subtle left ventricular dysfunction could occur in the absence of overt right or left ventricular failure.

Determination of Phenylalanine Hydroxylase Activity in Patients with Phenylketonuria and Hyperphenylalaninemia

K. Bartholomé, P. Lutz, and H. Bickel (Heidelberg, Germany) Phenylalanine hydroxylase activities are described in a group of children with phenylketonuria and hyperphenylalaninemia.

Ligandin Reverses Bilirubin Inhibition of Liver Mitochondrial Respiration in Vitro

K. KAMISAKA, Z. GATMAITAN, C. L. MOORE, and I. M. ARIAS (Bronx, New York)

The role of ligandin in protecting rat liver mitochondria against the deleterious effects of bilirubin on respiration and oxidative phosphorylation was investigated.

Effect of 2-Methylcitrate on Citrate Metabolism: Implications for the Management of Patients with Propionic acidemia and Methylmalonic aciduria

S. CHEEMA-DHADLI, C. C. LEZNOFF, and M. L. HALPERIN (Toronto and Downsview, Ontario, Canada)

The inhibitory effects of 2-methylcitrate on enzymes of the citric acid cycle and the mitochondrial citrate transporter were investigated.

Sphingomyelinases in Human Tissues. II. Absence of a Specific Enzyme from Liver and Brain of Niemann-Pick Disease, Type C

J. W. CALLAHAN, M. KHALIL, and M. PHILIPPART (Toronto, Ontario, Canada, and Los Angleles, California) Additional data on the liver enzymes are presented, and observations are extended to the brain of two additional cases of type C Niemann-Pick disease.

Assessment of Skeletal Maturity and Prediction of Adult Height (TW2 Method)

J. M. Tanner

R. H. Whitehouse

W. A. Marshall

Department of Growth and Development Institute of Child Health, University of London, and Growth Disorder Clinic, The Hospital for Sick Children, London, England

M. J. R. Healy

Medical Research Council Clinical Research Centre, Harrow, England

H. Goldstein

National Children's Bureau, London, England

January/February 1976, vi + 100 pp., £9.00/\$22.25 0.12.683350.8

The determination of skeletal maturity or bone age has an important place in the practice of paediatrics, especially in relation to endocrinological problems and growth disorders. It is frequently useful in diagnosis and also in monitoring treatment with hormones and hormone-like drugs. This book presents a new and comprehensive system for assessing bone age in children which both in its detail and its flexibibility has advantages over the systems now in use. It has been extensively tested in several countries and is presented here in its finalised form.

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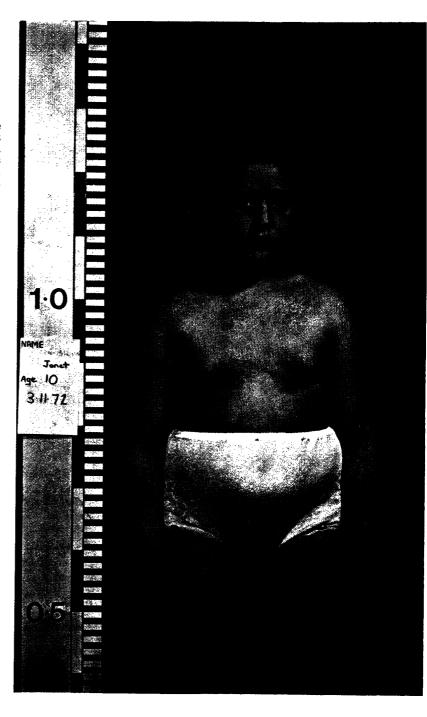
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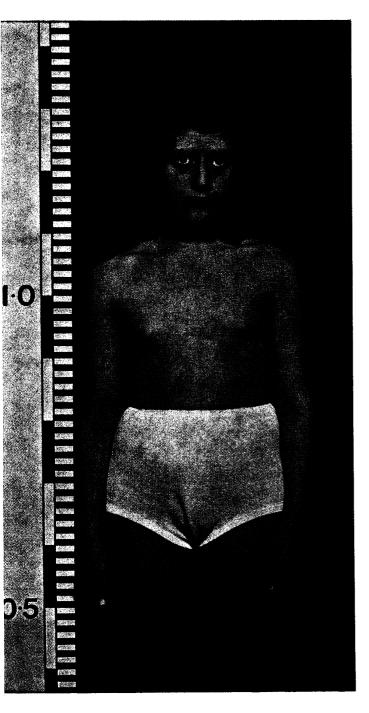
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(Arch. Dis. Childh., 1974, 49, 591)

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1. Acta neurol.scand.,1973,49(Suppl.53),82

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 Develop.Med.Child Neurol.,1972,14,3

4. Epilepsia(Amst.),1971,12,197
5. Acta neurol.scand.,1973,49(Suppl.53),91
6. S.Afr.med.J.,1973,47,1683



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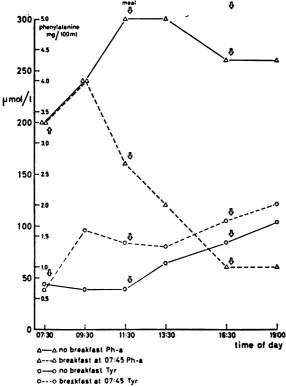
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