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These data are presented as further evidence that the metabolic relationship between magnesium and calcium in man may differ from that in rodents.

Antipyridoxine Effect of D-Penicillamine in Schizophrenic Men. 307

LEO E. HOLLISTER, FRANCES F. MOORE, FRED FORREST AND J. L. BENNETT

The results of this study, carried out in thirteen schizophrenic patients, confirm the antipyridoxine effects of D-penicillamine.

Effects of Sleep Deprivation and Reversal of Diurnal Activity on Protein Metabolism of Young Men 313

N. S. SCRIMSHAW, J. P. HABICHT, P. PELLET, M. L. PICHE AND B. CHOLAKOS

This study was designed to measure the effect of sleeplessness and sudden reversal of the diurnal sleep pattern on protein metabolism and protein requirements. Although change in the excretion of urinary nitrogen was the primary criterion, several related variables were also measured and are reported herein.

Fasting and Refeeding of Various Suboptimal Isocaloric Diets. Effects on Mineral and Nitrogen Balances in Obese Patients. 320

JOHN E. JONES, MARGARET J. ALBRINK, PAUL C. DAVIDSON AND EDMUND B. FLINK

In this study the effects of suboptimal, isocaloric diets given in varying sequences on the nitrogen and mineral balances of obese subjects were evaluated. Although the number of subjects studied was small, the duration of fasting somewhat varied, and the administration of constant isocaloric diets short, the trends observed in each study period were identical.

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- Influence of Meal Composition on Serum Amino Nitrogen, Glucose and Nonesterified Fatty Acids 329

R. G. NADEAU AND E. S. YEARICK

This is an interesting report on the simultaneous observations of the responses of three serum components to isocaloric test meals containing varying proportions of protein, fat and carbohydrate in the form of natural foods.

- Vitamin to Creatinine Ratios. Variability in Separate Voidings of Urine of Adolescents During a 24 Hour Period 335

ROBERT P. CLARKE, LOLA DE G. COSGROVE AND ELLEN H. MORSE

Separate voidings of urine were collected for a 24 hour period and analyzed for their thiamine, riboflavin and creatinine content in order to determine the ratios of these vitamins to creatinine. Based on the results, these authors agree that, as suggested by others, thiamine to creatinine or riboflavin to creatinine ratios may be useful for evaluating the nutriture of population groups but not for individuals.

- Folic Acid Conjugase in Normal Human Plasma and in the Plasma of Patients with Tropical Sprue 342

RAFAEL SANTINI, ENRIQUE PÉREZ-SANTIAGO, LEON WALKER AND C. E. BUTTERWORTH, JR.

Is the low whole blood folic acid activity which is found in untreated patients with sprue due to a deficiency of the conjugase in the plasma or is it due to a reduction in the amount of conjugate stored in the red cells? These investigators attempt to answer this question.

- Glucose Tolerance Test. Variability in Pregnant and Nonpregnant Women 345

JOHN B. O'SULLIVAN AND CLARE M. MAHAN

The object of this study was to quantitate the variability of the glucose tolerance test, identify the sources of variation and evaluate the differences between pregnant and nonpregnant women.

- Clinical Picture and Nitrogen Retention in Malnourished Children 352

J. E. DUTRA DE OLIVEIRA, LUIZ SCATENA AND NORBERTO DE OLIVEIRA NETTO

This is an interesting report on nitrogen balance in children with chronic, severe protein malnutrition. These workers believe that the clinical picture at the time of admission has an important bearing on the response of the infant to treatment and attempt to prove their point, using two different milk formulas. Their findings are recorded herein.

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Changes of address must reach us one month preceding month of issue