

BODY OF REPORT

SEATO CRC Study No. 17 Survey: Riboflavin deficiency in the human.
I. Development of a reliable, diagnostic
test for riboflavin deficiency.

Project No. 3A 025601 A 811 Military Medical Research Program
S. E. Asia

Task 01: Military Medical Research Program
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SEASIA (Thailand)

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Division of Clinical Research

Department of Clinical Pathology

Nutritional Biochemistry Section

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Objective: This study is designed to develop a rapid reliable diagnostic test for riboflavin deficiency.

Methods:

1. The riboflavin content of tissue and body fluids of normal and riboflavin-deficient rats is to be determined by microbiological assay.

2. A survey of a variety of flavin requiring enzymes will be conducted in various tissues of normal and deficient rats and the activity is to be correlated to riboflavin content of the tissue.

Progress: The various preparative and assay techniques are under development and the response of the organism, Lactobacillus casei ATCC 7469, to a variety of flavins is being tested.

Conclusion:

No conclusions can be reached at the present time.