

BODY OF REPORT

SEATO CRC Study No. 22 Evaluation of Renal Function in Normal Thai Children

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

Task 01: Military Medical Research Program
S. E. Asia

Subtask 01: Military Medical Research Program
SEASIA (Thailand)

Reporting Installation: US Army-SEATO Medical Research Laboratory
APO San Francisco 96346

 Division of Clinical Research

 Department of Clinical Studies

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Objective:

1. To study diurnal variation of serum and urinary electrolytes and nitrogenous substances in normal Thai children.
2. To study concentration and dilution abilities in normal Thai children on usual diets.
3. To study composition of sweat in normal children in a warm climate.

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Description: Values for renal function in normal children living in temperate climates are well established. Similar information is required for Thai children to define normal ranges for anticipated studies of a variety of disease processes. Differences in these ranges may be obtained because of differences in dietary habits, fluid intake and other as yet unknown factors.

Ten children age 6-12 years from the orphanage who are healthy, as determined by history, physical examination and appropriate laboratory screening tests, are subjected to study. The studies include: diurnal variation of water, electrolytes, creatinine and osmolality; concentrating and diluting renal abilities; creatinine clearance and electrolyte composition of sweat.

Progress: Thus far, only 3 subjects have been studied and the data are insufficient for comment.

Conclusions: No conclusion can be drawn at this stage of the project.