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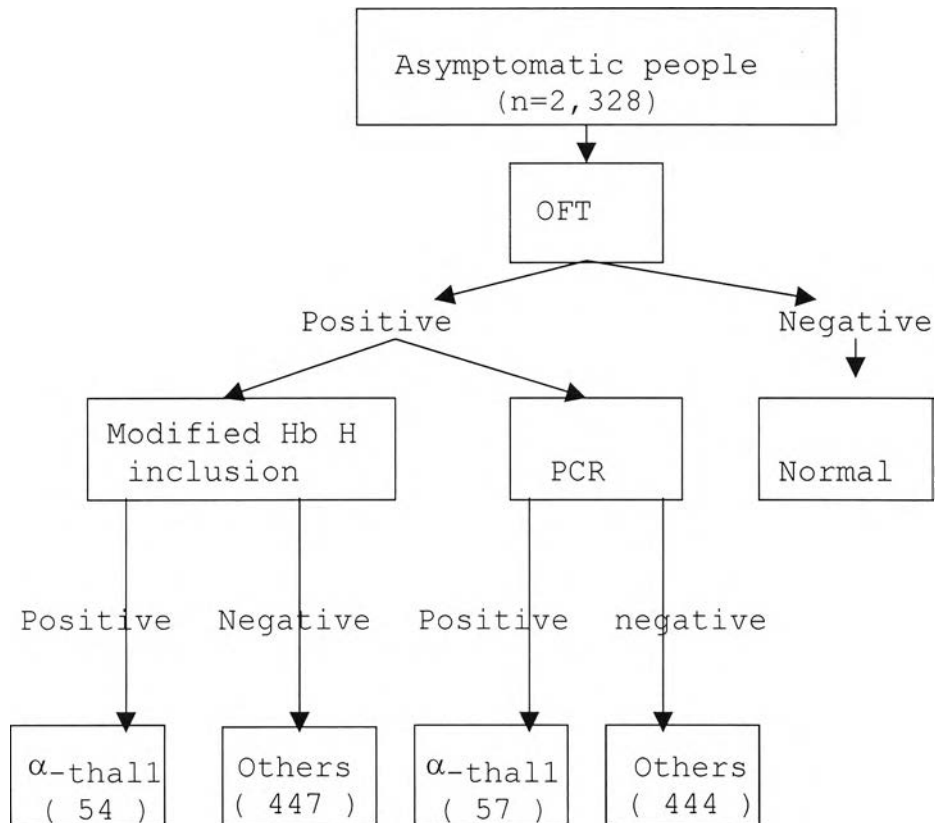
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APPENDIX

Appendix I



OFT = one tube osmotic fragility test, positive include :

α -thal-1 trait, β -thal trait, iron deficiency

PCR test = detect α -thal-1 trait of Southeast Asian type

(--SEA/ $\alpha \alpha$)

Others = β -thal trait, iron deficiency and

hemoglobinopathies

Appendix II.**COSENT FORM**

I have been informed that the Hematology Unit, Department of Pediatrics, Phramongkutklao Hospital is conducting a study of thalassemia and hemoglobinopathies screening programe in healthy people. The purpose of this study is to find out carrier state among these persons.

I being the guardian of _____ (the screenee's name), agree to participate in this study.

I understand that my agreement of the participation in this study is entirely voluntary and that I may withdraw my consent to participate at any time without penalty.

I was given the opportunity to ask questions about this study and if I have further questions I am permitted to contact the researchers in this hospital at telephone number (02) 644-8990.

Subject's name _____

Subject's signature _____

Subject's guardian's signature _____ (relation: ___)

Physician's name _____

Date of participation _____

Appendix III

Data Collection Form

Demographic data:

Name _____ Address _____

Ethnicity _____

1. Code No. _____ 1. [] []

2. Age _____ (years) 2. [] []

3. Sex 3. []

1.M, 2.F

Outcomes

4. Osmotic fragility 4. []

1.positive, 2.suspicious, 3.negative

5. Modified hemoglobin H inclusion 5. []

1.positive, 2.negative

6. PCR tes 6. []

1.positive, 2.negative



VITAE

Dr.Kitti Torcharus was born on April 22, 1957 at Singha Buri Province, Thailand. After his accomplishment of a six-year course of medical study at Phramongkutklao College of Medicine, Bangkok, Thailand, he graduated with M.D. degree in 1981. He took his one-year internship training at Phramongkutklao Hospital in 1982. He completed a three-year residency in hematology training program at Siriraj Hospital, Mahidol University, Bangkok, in 1987.

During 1988-1989, he received The Royal Thai Army's grant to participate in training on Recombinant DNA Technology for Diagnosis of Thalassemia at the University of Cagliari, Italy.

His principal interest in medical field is a research in thalassemia and hemoglobinopathies because of the prevalence of thalassemia and hemoglobinopathies among Thai citizen, there have been a great financial drain for the country in spending for its treatment and prevention. For that matter, a simple and less cost effective screening test is required for carrying out a mass population survey. This has inspired the author to look for a modified hemoglobin H inclusion test to identify alpha thalassemia trait among the osmotic fragility positive screening individuals. The results of this study have made up this present communication.

Currently, Dr. Torcharus is a consultant in the Division of Pediatric Hematology, Department of Pediatrics, Phramongkutklao Hospital. Additionally, because of his keen interest in clinical epidemiology, he has thus been appointed a member of the Medical Ethic Committee of the Clinical Epidemiology Unit (CEU) of the hospital that deals with the professional ethic aspect of the proposed research projects submitted for final approval.