

Mahidol University - ICMR Kobe University
Symposium on : Recent Advance in Thalassemia Research
and Related Subjects in Thailand
July 25-26, 1991
at Mahidol University, BANGKOK, THAILAND.

JULY 25, 1991

08:00 - 08:30 : Registration

08:30 - 09:00 : OPENING ADDRESS

Professor Dr. Natth Bhamarapravati

Associate Professor Yoshinori Funahara

SESSION I

Chairpersons - Vicharn Panich

- Yasuyuki Fukumaki

09:00 - 09:20 :⁽¹⁾ PROBLEM OF THALASSEMIA IN THAILAND

(**Vicharn Panich**, Malida Pornpatkul and Wimonman Sriroongrueng)

09:20 - 09:40 :⁽²⁾ MOLECULAR BASIS OF α -THALASSEMIA IN THAILAND

(**Pranee Winichagoon**, Suthat Fucharoen and Prawase Wasi)

09:40 - 10:00 :⁽³⁾ MOLECULAR BASIS OF β -THALASSEMIA IN THAILAND

(**Yasuyuki Fukumaki**, Supan Fucharoen, Goonnapa Fucharoen, Arunee Jetsrisuparb, Pranee Winichagoon, Suthat Fucharoen, Wimonman Sriroongrueng, Vichai Laosombat and Vicharn Panich)

10:00 - 10:20 :⁽⁴⁾ PRENATAL DIAGNOSIS FOR THALASSEMIA AND
HEMOGLOBINOPATHIES IN THAILAND

(**Suthat Fucharoen**, Pranee Winichagoon, Varaporn Thonglairoam, Wipapun Siriboon, Noppadol Siritanaratkul, Sujin Kanokpongsakdi and Chanchai Vantanasiri)

10:20 - 10:30 : COFFEE BREAK

SESSION II

Chairpersons - Phumara Talalak

- Yoshinori Funahara

/ 10:30 - 10:50 :⁽⁵⁾ **HYPOXEMIA IN THALASSEMIA**

(**Suthat Fucharoen**, Pranee Winichagoon, Udom Chantaraksri,
Ahnond Bunyaratvej, Noppadol Siritanaratkul, Dhira Sonakul,
Anong Piankijagum and Prawase Wasi)

/ 10:50 - 11:10 :⁽⁶⁾ **PLATELET FUNCTION TEST IN THALASSEMIA**

(**Nisarat Opartkiattikul**, Yoshinori Funahara and Phumara Talalak)

/ 11:10 - 11:30 :⁽⁷⁾ **SPONTANEOUS PLATELET AGGREGATION IN THALASSEMIC
CHILDREN AND YOUNG ADULT**

(**Vichai Laosombat**, Malai Wongchanchailert, Kanitha Kenpitak,
Chawadee Wisitpongpon)

11:30 - 11:50 :⁽⁸⁾ **PLATELET FACTOR 3 ACTIVITY IN THALASSEMIA WHOLE
BLOOD**

(**Yoshinori Funahara**, Nisarat Opartkiattikul, Phumara Talalak, Sukon
Visudhiphan, Akiko Hijikata-Okunomiya and Nobuo Yamaguchi)

11:50 - 12:10 :⁽⁹⁾ **PROTEIN S AND PROTEIN C IN THALASSEMIA AND
HEMOLYTIC ANEMIA**

(**Akira Shirahata**, Kaneo Yamada, Takashi Meguro, Nisarat
Opartkiattikul, Suthat Fucharoen and Yoshinori Funahara)

12:10 - 13:30 : **LUNCH**

SESSION III

Chairpersons - Dhira Sonakul

- Akinobu Sumiyoshi

13:30 - 13:50 :⁽¹⁰⁾ ACARBOXY PROTHROMBIN IN CORD PLASMA IN THE SOUTH OF THAILAND

(Vichai Laosombat, Malai Wongchanchailert, Kanitha Kenpitak and Aranya Wiriyasateinkul)

13:50 - 14:10 :⁽¹¹⁾ NOVEL FIBRINOLYTIC ENZYMES LUMBROKINASE EXTRACTED FROM LUMBRICUS RUBELLUS

(Hisashi Mihara, Hiroyuki Sumi, Hideaki Mizumoto, Tomoyuki Yoneta and Masugi Maruyama)

14:10 - 14:30 :⁽¹²⁾ INAPPROPRIATELY INCREASED RED CELL 2, 3-DPG AND P50 IN β^0 -THALASSEMIA/HEMOGLOBIN E PATIENTS

(Suthat Fucharoen, Wattana Leowattana, Phumara Talalak and Kiyohiro Imai)

14:30 - 14:50 :⁽¹³⁾ TISSUE INJURY SECONDARY TO IRON OVERLOAD

(Dhira Sonakul, Kleophant Thakerngpol, and Akinobu Sumiyoshi)

14:50 - 15:10 :⁽¹⁴⁾ PHARMACOKINETICS OF ACETAMINOPHEN IN CHILDREN WITH THALASSEMIC DISEASE

(Laosomabat V, Paisanchanthasiri C, Pongmarutai M, Wongchanchailert M, Akesiripong S and Sunbhanich M)

15:10 - 15:30 :⁽¹⁵⁾ PROBLEMS AND MANAGEMENT OF HIV INFECTION IN PATIENTS WITH REGULAR TRANSFUSSION

(Kaneo Yamada, Masashi Taki, Takashi Meguro, Shiho Masui, Hironobu Ito and Shigenobu Takayama)

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SESSION IV

Chairpersons - Prapon Wilairat

- Noriyuki Tatsumi

09:00 - 09:20 :⁽¹⁶⁾ THALASSEMIC RED CELLS MEMBRANE
(Prapon Wilairat)

09:20 - 09:40 :⁽¹⁷⁾ THE EFFECT OF RED BLOOD CELLS AND PLATELETS ON
ENDOTHELIAL CELL CULTURE
(Hiromichi Kitaguchi), Punnee Butthep, Ahnond Bunyaratvej and
Yoshinori Funahara)

09:40 - 10:00 :⁽¹⁸⁾ INTERACTION BETWEEN ENDOTHELIAL CELLS AND
THALASSEMIC RED CELLS : AN IN VITRO STUDY
(Ahnond Bunyaratvej, Punnee Butthep, Hiromichi Kitaguchi, Yoshinori
Funahara, Suthat Fucharoen and Natth Bhamarapavati)

10:00 - 10:20 :⁽¹⁹⁾ ANALYSIS OF THALASSEMIC RED CELLS BY AN AUTOMATED
BLOOD CELL COUNTER
(Noriyuki Tatsumi, Izumi Tsuda, Yoshinori Funahara, Suthat
Fucharoen, and Ahnond Bunyaratvej)

10:20 - 10:40 :⁽²⁰⁾ DEFORMABILITY CHANGES OF THALASSEMIC RED CELLS
(Ahnond Bunyaratvej, Noriyuki Tatsumi and Suthat Fucharoen)

10:40 - 11:00 : COFFEE BREAK

SESSION V

11:00 - 12:00 : PANEL DISCUSSION : FUTURE TREND OF THALASSEMIA
RESEARCH IN THAILAND

Moderator : Vicharn Panich

Speakers : Suthat Fucharoen

Yasuyuki Fukumaki

Yoshinori Funahara

12:00 - 12:10 : CLOSING REMARK

Associate Professor Yoshinori Funahara

Note : The timing schedule for all of the presentations include 3-5 minutes of discussion.