Curriculum Vitae

Professor Suthat Fucharoen, M.D.

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Education:

1971:	B.Sc. (Medical Science) Chiang Mai University, Thailand
1973:	M.D. Chiang Mai University, Thailand
1975-6:	Intern, Westsuburban Hospital, Oak Park, Illinois, USA.
1977:	Diploma in Thai Board of Internal Medicine
1983:	Diploma in Thai Board of Hematology

Positions:

1979-1980:	Instructor
1981-1983:	Assistant Professor
1983-1989:	Associate Professor
1990:	Professor

Professional Societies:

1982:	The Society of Hematology of Thailand
1982:	The Genetic Society of Thailand
1986:	The Royal College of Physicians of Thailand
1988:	The Science Society of Thailand
1989:	The New York Academy of Sciences
1992:	The American Society of Advances in Sciences
1997:	Thai Academy of Science and Technology Foundation
1998:	American Association for Clinical Chemistry
1999:	American Society of Hematology
2001:	IMBN, Asia-Pacific Division

Member of Committees and Boards-University, National, International

1986-1990: Scientific Committee, 12th-16th Conference on Science and Technology of Thailand

1988-1994: Scientific committee, Mahidol Research Grant,

Mahidol University

1989: Member of the Executive Committee and Chairman of The Academic Affair, Thalassemia Foundation of Thailand

1992-8: Member of the Research Committee, Faculty of Medicine Siriraj Hospital, Mahidol University

1992: Member of the Committee, Mahidol Award, Mahidol University

1994: Member of the Editorial Board, HEMOGLOBIN

1996: Member of the Editorial Board, Journal of the Medical Association of Thailand

2015-2017: Member of the Editorial Board, Blood Cells, Molecules and Diseases

Scholarship, Fellowship, Research Grant:

1984-1987: NIH Research Grant (co-investigator)

1985-1986: EEC (CEC) Research Grant (STD1)

1986: JSPS-NRCT Research Fellow, Kyoto University (Professor Takashi Murachi)

1987-1990: Monbusho Research Grant

1988-1993: JSPS-NRCT Research Grant

1989-1992: NIH Research Grant (co-investigator)

1989-1992: EEC (CEC) Research Grant (STD2)

1993-1995: EEC (CEC) Research Grant (STD3)

1994-1998: Prajadhipok-Rambhai Barni Foundation

1997-2000: IAEA

1997-2000: Senior Research Fellow Grant, National Science and Technology Development Agency, Thailand

2002: Outstanding Scientist Awards, Foundation for the Promotion of Science and Technology Under the Patronage of His Majesty the King of Thailand

2002-2005: Senior Research Scholar, Thailand Research Fund, Thailand

2006: Golden Silk Award, Guangxi Medical University

2002-2006: Genomewide search for disease modifier genes in thalassemia (NIH Research Grant)

2005-2008: Apoptosis (Mahidol University Research Grant)

2005-2008: Pathophysiologic changes and therapeutic intervention in thalassemia (Senior Research Scholar, Thailand Research Fund, Thailand)

2005-2010: Genetic modifier genes in beta thalassemia (BIOTEC, National Science and Technology Development Agency, Thailand)

2018-2020: Microbiome in thalassemia (Distinguished Research Professor Grant, Thailand Research Fund)

Awards and honors:

2011: Berend Houwen Lecture Award, International Society for Laboratory Hematology

2010: Honorary doctoral degree from Chiang Mai University, Thailand

2008: Outstanding Researcher (Medicine), National Research Council of Thailand

2008: The Royal Dusdhi Mala Medal in Science, awarded by H.M. the King of Thailand

2007: Golden Silk Award, Guangxi Medical University, PRC

2002: Outstanding Scientist Award, Foundation for the Promotion of Science and Technology under the Patronage of His Majesty the King of Thailand

1995: Outstanding Research, National Research Council of Thailand
(Professor Supa Na Nakorn was the Head of the project)

1994: Mahidol-B Braun Prize (Professor Supa Na Nakorn was the Head of the project)

Publications (selected from more than 400 publications)

1. Wasi P, Pootrakul S, Pootrakul P, Pravatmuang P, Winichagoon P, Fucharoen S. Thalassemia in Thailand, Ann N Y Acad Sci (USA) 1980; 344: 352-63.
2. Sonakul D, Pacharee P, Laohapand T, Fucharoen S, Wasi P. Pulmonary artery obstruction in thalassemia. Southeast Asian J Trop Med Public Health 1980; 11: 516-23.
3. Fucharoen S, Tunthanavatana C, Sonakul D, Wasi P. Intracranial extramedullary hematopoiesis in β°-thalassemia/hemoglobin E disease. Am J Hematol 1981; 10: 75-8.
4. Fucharoen S, Youngchaiyud P, Wasi P. Hypoxaemia and the effect of aspirin in thalassaemia. Southeast Asian J Trop Med Public Health 1981; 12: 90-3.
5. Pootrakul P, Hungspreuges S, Fucharoen S, Baylink D, Thompson E, English E, Lee M, Burnell J, Finch C. Relationship between erythropoisis and bone metabolism in thalassemia. N Engl J Med 1981; 304: 1470-3.
6. Wickramasinghe SN, Gughes M, Wasi P, Fucharoen S, Modell B. Ineffective erythropoiesis in haemoglobin E β-thalassemia: and electron microscope study. Br J Haematol 1981; 48: 451-7.
7. Wickramasinghe SN, Hughes M, Wasi P, Fucharoen S. Morphology and kinetics of erythropoiesis in haemoglobin H disease. Br J Haematol 1981; 49: 185-8.
8. Pootrakul P, Winichagoon P, Fucharoen S, Pravatmuang P, Piankijagum A, Wasi P. Homozygous haemoglobin Constant Spring: a need for revision of concept. Hum Genet 1981; 59: 250-5.
9. Winichagoon P, Fucharoen S, Wasi P. Increased circulating platelet aggregates in thalassaemia. Southeast Asian J Trop Med Public Health 1981; 12: 556-9.
10. Wasi P, Winichagoon P, Baramee T, Fucharoen S. Globin chain synthesis in heterozygous and homozygous hemoglobin E. Hemoglobin 1982; 6: 75-8.

11. Wickramasinghe SN, Hughes M, Fucharoen S, Wasi P. The fate of excess β-globin chains within erythropoietic cells in α-thalassaemia 2 trait, α -thalassaemia 1 trait, haemoglobin H disease and haemoglobin Q-H disease: an electron microscope study. Br J Haematol 1984; 56: 473-82.
12. Derry S, Wood WG, Pippard M, Clegg JB, Weatherall DJ, Wickramasinghe SN, Darley J, Fucharoen S, Wasi P. Hematologic and biosynthetic studies in homozygous hemoglobin Constant Spring. J Clin Invest 1984; 73: l673-82.
13. Fucharoen S, Winichagoon P, Pootrakul P, Wasi P. Determination for different severity of anemia in thalassemia: concordance and discordance among sib pairs. Am J Med Genet 1984; 19: 39-44.
14. Wickramasinghe SN, Hughes M, Wasi P, Fucharoen S, Litwinczuk RAC. Ultrastructure and cell cycle distribution of erythropoietic cells in heterozygotes and homozygotes for haemoglobin E. Br J Haematol 1984; 57: 685-94.
15. Sonakul D, Pacharee P, Wasi P, Fucharoen S. Cardiac pathology in 47 patients with beta thalassemia/hemoglobin E. Southeast Asian J Trop Med Public Health 1984; 15: 554-63.
16. Fucharoen S, Suthipongchai S, Poungvarin N, Ladpli S, Sonakul D, Wasi P. Intracranial extramedullary hematopoiesis inducing epilepsy in a patient with β-thalassemia-hemoglobin E. Arch Intern Med 1985; 145: 739-42.
17. Wasi P, Pootrakul P, Fucharoen S, Winichagoon P, Wilairat P, Promboon A. Thalassemia in Southeast Asia: determination of different degrees of severity of anemia in thalassemia. Ann NY Acad Sci 1985; 445: 119-26.
18. Winichagoon P, Fucharoen S, Weatherall DJ, Wasi P. Concomitant inheritance of β -thalassemia in β^{o}-thalassemia/Hb E disease. Am J Hematol 1985; 20: 217-222.
19. Wickramasinghe SN, Hughes M, Fucharoen S, Wasi P. The morphology of redox-dye-treated Hb H-containing red cells: differences between cells treated with brilliant cresyl blue, methylene blue and new methylene blue. Clin Lab Haematol 1985; 7: 353-58.
20. Fucharoen P, Fucharoen S. Molecular mechanisms of thalassemia in Thailand. J Sci Soc Thailand 1986; 12: 9-21.
21. Wickramasinghe S N, Fucharoen S, Wasi P. Studies of erythropoietic cells in heterozygotes and homozygotes for haemoglobin Constant Spring and in heterozygotes for both haemoglobin Constant Spring and β-thalassaemia 1 trait : extent of globin chain precipitation and cell cycle distribution. Clin Lab Haemat 1986; 8: 187-98.
22. Bunyaratvej A, Butthep P, Yuthavong Y, Fucharoen S, Khusmith S, Yoksan S, Wasi P. Increased phagocytosis of plasmodium falciparum-infected erythrocytes with haemoglobin E by peripheral blood monocytes. Acta Haemat 1986; 76: 155-8.

23. Kanokpongsakdi S, Winichagoon P, Fucharoen S, Manassagorn J, Tanphaichitr V. Prenatal diagnosis of the fetus at risk for β-thalassemia/ hemoglobin E disease: a report of the first case in Thailand. J Med Ass Thailand 1987; 70: 38-43.

24. Brockelman CR, Wongsattayanont B, Tan-ariya P, Fucharoen S. Thalassemic erythrocytes inhibit in vitro growth of plasmodium falciparum. J Clin Microbiol 1987; 25, 56-60.

25. Fucharoen S. Iron chelating agents. Intern Med 1987; 3: 29-31.

26. Fucharoen S, Winichagoon P. Hemoglobinopathies in Southeast Asia. Hemoglobin 1987; 11: 65-88.

27. Winichagoon P, Fucharoen S, Thonglairoam V, Wasi P. Different severity of homozygous β thalassemia among siblings. Hum Genet 1987; 76: 296-7.

28. Yuthavong Y, Butthep P, Bunyaratvej A, Fucharoen S. Inhibitory effect of β°-thalassaemia/haemoglobin E erythrocytes on plasmodium falciparum growth in vitro. Trans R Soc Trop Med Hyg 1987; 81: 903-6.

29. Vannasaeng S, Fucharoen S, Nitiyanant W, Vichayanrat A, Pootrakul P, Piraphatdist T. Impaired glucose counterregulation after insulin induced hypoglycemia in thalassemia patients J Med Ass. Thailand 1987: 70: 631-7.

30. Tanphaichitr VS, Pung-amritt P, Puchaiwatananon O, Winichagoon P. Fucharoen S, Suvatte V, Wasi P. Studies of hemoglobin Bart's and deletion of α-globin genes from cord blood in Thailand. Birth Defects 1988; 23(5A): 15-21.

31. Lynch J, Tate WE, Weatherall DJ, Fucharoen S. Tanphaichitr VS, Isarangkura P, Seksarn P, Laosombat V, Kulapongs P, Wasi P. Molecular basis of β-thalassemia in Thailand. Birth Defects 1988; 23(5A): 71-9.

32. Suthipark K, Ong-ajyooth S, Shumnumsirivath D, Likidlilid A, Fucharoen S, Siddhikol C, Pootrakul P, Niyomporn B. Oxidative stress and antioxidants in β-thalassemia/hemoglobin E. Birth Defects 1988; 23(5A): 199-205.

33. Fucharoen S, Winichagoon P, Pootrakul P, Piankijagum A, Wasi P. Variable severity of Southeast Asian β°-thalassemia/Hb E disease. Birth Defects 1988; 23(5A): 241-8.

34. Promboon A, Wilairat P, Fucharoen S, Wasi P. Determination of variable severity of anemia in thalassemia: erythrocyte proteolytic activity. Birth Defects 1988; 23(5A): 249-56.

35. Fucharoen S, Winichagoon P, Pootrakul P, Piankijagum A, Wasi P. Differences between two types of Hb H disease, α-thalassemia 1/α thalassemia 2 and α-thalassemia 1/Hb Constant Spring. Birth Defects 1988; 23(5A): 309-15.

36. Youngchaiyud P, Suthamsmai T, Fucharoen S, Udompanich V, Pushpakom R, Wasi P. Lung function tests in splenectomized β-thalassemia/Hb E patients. Birth Defects 1988; 23(5A): 361-70.

37. Sonakul D, Suwanagool P, Sirivaidyapong P, Fucharoen S. Distribution of pulmonary thromboembolic lesions in thalassemic patients. Birth Defects 1988; 23(5A): 375-84.

38. Fucharoen S, Piankijagum A, Wasi P. Deaths in β-thalassemia/Hb E patients secondary to infections. Birth Defects 1988; 23(5A): 495-500.

39. Aswapokee N, Aswapokee P, Fucharoen S, Wasi P. A study of infective episodes in patients with β thalassemia/Hb E disease in Thailand. Birth Defects 1988; 23(5A): 513-20.

40. Aswapokee P, Aswapokee N, Fucharoen S, Sukroongreung S, Wasi P. Severe infection in thalassemia: a prospective study. Birth Defects 1988; 23(5A): 521-26.

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43. Thakerngpol K, Sonakul D, Fucharoen S, Boonyaphiphat P, Vathanopas V, Sahaphong S, Stitnimankarn T. Electron microscopic study of liver tissue from 30 thalassemic patients. Birth Defects 1988; 23(5B): 199-206.

44. Chandcharoensin - Wilde C, Chairoongruang S, Jitnuson P, Fucharoen S, Vathanopas C. Gallstones in thalassemia. Birth Defects 1988; 23(5B): 263-7.

45. Vathanopas V, Fucharoen S, Chandcharoensin-Wilde C, Sukroongreung S, Nilakul C. Cholecystectomy in thalassemia. Birth Defects 1988; 23(5B): 269-73.

46. Vaeusorn O, Fucharoen S, Wasi P. A study of thalassemia associated with pregnancy. Birth Defects 1988; 23(5B): 295-9.

47. Pootrakul P, Kitcharoen K, Yansukon P, Wasi P, Fucharoen S, Charoenlarp P, Brittenham G, Pippard M J, Finch C A. The effect of erythroid hyperplasia on iron balance. Blood 1988; 71(4): 1124-9.

48. Pootrakul S, Muang-sup V, Fucharoen S, Wasi P. Cord blood study on α-thalassemia and hemoglobin E. Am J Med Genet 1988; 29: 49-57.

49. Fucharoen S, Winichagoon P. Problems of thalassemia in Thailand. ICMR Annals 1988; 8: 29-33.

50. Boonyaratvej A, Fucharoen S, Tatsumi N. Pathophysiology of thalassemic erythrocytes. ICMR Annals 1988; 8: 35-41.

51. Wasi P, Fucharoen S, Winichagoon P. Prevention of α-thalassemia. In : Prenatal diagnosis of thalassemia and the hemoglobinopathies, Loukopoulos D (ed.). CRC Press Inc., Florida. 1988; p.195-208.

52. Yuthavong Y, Butthep P, Bunyaratvej A, Fucharoen S, Khusmith S. Impaired parasite growth and increased susceptibility to phagocytosis of plasmodium falciparum infected alpha-thalassemia or hemoglobin Constant Spring red blood cells. Am J Clin Patho 1988; 89: 521-5.

53. Fucharoen S, Thonglairuam V, Winichagoon P. Hematologic changes in β-thalassemia. Am J Clin Pathol 1988; 89: 193-6.

54. Fucharoen S, Winichagoon P, Thonglairuam V. α-Thalassemia associated with β-thalassemia in Thailand. Hemoglobin 1988; 12: 581-92.

55. Yuthavong Y, Butthep P, Bunyaratvej A, Fucharoen S. Decreased sensitivity to artesunate and chloroquine of plasmodium falciparum infecting hemoglobin H and/or hemoglobin Constant Spring erythrocytes. J Clin Invest 1989; 83: 502-5.

56. Thonglairuam V, Winichagoon P, Fucharoen S, Wasi P. The molecular basis of AE-Bart's disease. Hemoglobin 1989; 13: 117-24.

57. Winichagoon P, Kownkon J, Yenchitsomanus P, Thonglairoam V, Siritanaratkul N, Fucharoen S. Detection of β-thalassemia and hemoglobin E genes in Thai by a DNA amplification technique. Hum Genet 1989; 82: 389-90.

58. Kropp GL, Fucharoen S, Embury SH. Selective enzymatic amplification of α2-globin DNA for detection of the hemoglobin Constant Spring mutation. Blood 1989; 73: 1987-92.

59. Thirawarapan S, Snongchart N, Fucharoen S, Tanphaichitr VS, Dhorranintra B. Study of mechanisms of post-transfusion hypertension in thalassaemic patients. Southeast Asian J Trop Med Public Health 1989; 20: 471-8.

60. Fucharoen S, Winichagoon P. The molecular basis of thalassemias. Indian J Pediatr 1989; 56: 693-706.

61. Kownkon J, Winichagoon P, Thonglairoam V, Siritanaratkul N, Kanokpongsakdi S, Vantanasiri C, Fucharoen S. Prenatal diagnosis of β°-thalassemia/hemoglobin E disease by DNA amplification technique. Intern Med 1990; 6: 85-90.

62. Brown AE, Webster KK, Fucharoen S, Bunyaratvej A. Haemoglobin-E trait and the clinical course of malaria in Thai soldiers. Eur J Haematol 1990; 45: 120-1.

63. Thein SL, Winichagoon P, Hesketh C, Best S, Fucharoen S, Wasi P, Weatherall DJ. The molecular basis of β-thalassemia in Thailand: application to prenatal diagnosis. Am J Hum Genet 1990; 47: 369-75.

64. Winichagoon P, Fucharoen S, Thonglairoam V, Tanapotiwirut V, Wasi P. β-thalassemia in Thailand. Ann NY Acad Sci 1990; 612: 31-43.

65. Vannasaeng S, Fucharoen S, Pootrakul P, Ploybutr S, Yansukon P. Pituitary function in thalassemic patients and the effect of chelation therapy. Acta Endocrinol 1991; 124: 23-30.

66. Fucharoen S, Winichagoon P, Thonglairuam V, Siriboon W, Siritanaratkul N, Kanokpongsakdi S, Vantanasiri C. Prenatal diagnosis of thalassemia and hemoglobinopathies in Thailand: experience from 100 pregnancies. Southeast Asian J Trop Med Public Health 1991; 22: 16-29.
67. Bunyaratvej A, Butthep P, Sae-Ung N, Fucharoen S, Yuthavong Y. Reduced deformability of thalassemic erythrocytes and erythrocytes with abnormal hemoglobins and relation with susceptibility of Plasmodium falciparum invasion. Blood 1992; 79: 2460-63.
68. Fucharoen S, Winichagoon P. Thalassemia in Southeast Asia: problems and strategy for prevention and control. Southeast Asian J Trop Med Public Health. 1992; 23: 647-55.
69. Fucharoen S, Winichagoon P, Siritanaratkul N, Sonakul D, Chantaraksri U, Bunyaratvej A, Piankijagum A, Wasi P. Hypoxemia in thalassemia. Southeast Asian J Trop Med Public Health 1992; 23 (Suppl 2): 22-4.
70. Sonakul D, Fucharoen S. Pulmonary thromboembolism in thalassemic patients. Southeast Asian J Trop Med Public Health 1992; 23 (Suppl 2): 25-8.
71. Chantharaksri U, Tonsuwonnont W, Fucharoen S, Wasi P. The pathogenesis of hypoxemia. Southeast Asian J Trop Med Public Health 1992; 23 (Suppl 2): 32-5.
72. Opartkiattikul N, Funahara Y, Fucharoen S, Thalalak P. Increase in spontaneous platelet aggregation in β-thalassemia/hemoglobin E disease: a consequence of splenectomy. Southeast Asian J Trop med public health 1992; 23 (Suppl 2):36-41.
73. Sonakul D, Fucharoen S. Brain pathology in 6 fatal cases of post-transfusion hypertension, convulsion and cerebral hemorrhage syndrome. Southeast Asian J Trop Med Public Health 1992; 23 (Suppl 2): 116-9.
74. Winichagoon P, Thonglairoam V, Fucharoen S, Wilairat P, Fukumaki Y, Wasi P. Severity differences in β-thalassemia/haemoglobin E syndromes: implication of genetic factor. Br J Haematol 1993; 83: 633-9.
75. Svasti J, Boontrakulpoontawee P, Yongsuwan S, Sarikaputi M, Siriboon W, Srisomsap C, Fucharoen S, Winichagoon P, Pravatmuang P, Surarit R. Structural analysis of proteins in Thailand: Identification of abnormal hemoglobins. Pure & Appl Chem 1994; 66: 105-10.
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77. Rosenthal MA, Ou CN, Hoffman W, Fucharoen S, Little C, Pass K, Therrell BL, Epstein N. Monoclonal antibody immunoassay for the identification of hemoglobin variants in neonatal screening. Screening 1994; 3: 67-76.

78. Wasi P, Fucharoen S. The ethics of prenatal diagnosis in different religious and cultural contexts. In Beuzard Y, Lubin B, Rosa J (eds). Sinckle Cell Disease and Thalassaemia: New Trends in Therapy. John Libbey Eurotext Ltd. 1995; 234: 387-8.

79. Fucharoen S, Sirirtanaratkul N, Chaicharoen S, Poolsup N, Chindavijak B, Pootrakul P, Piankijagum A, Schechter AN, Rodgers GP. Hydroxyurea increases Hb F and improves the effectiveness of erythropoiesis in β-thalassemia/Hb E disease. In Beuzard Y, Lubin B, Rosa J (eds). Sinckle Cell Disease and Thalassaemia: New Trends in Therapy. John Libbey Eurotext Ltd. 1995; 234: 201-2.

80. Winichagoon P, Fucharoen S, Kanokpongsakdi S, Fukumaki Y. Detection of α-thalassemia-1 (Southeast Asian type) and its application for prenatal diagnosis. Clin Genet 1995; 47: 318-20.

81. Sutcharitchan P, Saiki R, Fucharoen S, Winichagoon P, Erlich H, Embury SH. Reverse dot-blot detection of Thai β-thalassaemia mutations. Br J Haematol 1995; 90: 809-16.

82. Butthep P, Bunyaratvej A, Funahara Y, Kitaguchi H, Fucharoen S, Sato S, Bhamarapravati N. Alterations in vascular endothelial cell-related plasma proteins in thalassaemic patients and their correlation with clinical symptoms. Thrombosis and Haemostasis 1995; 74: 1045-9.

83. Winichagoon P, Fucharoen S, Wilairat P, Fukumaki Y. Molecular mechanisms of thalassemia in Southeast Asia. Southeast Asian J Trop Med Public Health 1995; 26 (suppl 1): 235-40.

84. Winichagoon P, Fucharoen S, Wilairat P, Chihara K, Fukumaki Y. Role of althernatively spliced β^{E}-globin mRNA on clinical severity of β-thalassemia/hemoglobin E disease. Southeast Asian J Trop Med Public Health 1995; 26 (suppl 1): 241-5.

85. Winichagoon P, Fucharoen S, Siritanaratkul N, Tassana P, Thonglairoam V, Siriboon A, Kanokpongsakdi S. Prenatal diagnosis for β-thalassemia syndromes using HRP-labeled oligonucleotide probes at Siriraj Hospital. Southeast Asian J Trop Med Public Health 1995; 26 (suppl 1): 282-6.

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88. Fucharoen S, Siritanaratkul N, Winichagoon P, Chowthaworn J, Siriboon W, Muangsup W, Chaicharoen S, Poolsub N, Chindavijak B, Pootrakul P, Piankijagum A, Schechter AN. and Rodgers GP. Hydroxyurea increases hemoglobin F levels and improves the effectiveness of erythropoiesis in β-thalassemia/hemoglobin E disease. Blood 1996; 87: 887-92.

89. Malasit P, Mahasorn W, Mongkolsapaya J, Singhathong B, Fucharoen S, Wasi P and Bhakdi S. Presence of immunoglobulins, C3 and cytolytic C5b-9 complement components on the surface of erythrocytes from patients with β-thalassaemia/Hb E disease. Br J Haematol 1997; 96: 507-13.

90. Schrier SL, Bunyaratvej A, Khuhapinant A, Fucharoen S, Aljurf M, Snyder L.M. Keifer CR, Ma L, Mohandas N. The unusual pathobiology of hemoglobin Constant Spring red blood cells. Blood 1997; 89: 1762-9.

91. Fucharoen S, Winichagoon P. Hemoglobinopathies in Southeast Asia: molecular biology and clinical medicine. Hemoglobin 1997; 21: 299-319.

92. Ong-ajyooth L, Malasit P, Ong-ajyooth S, Fucharoen S, Pootrakul P, Vasuvattakul S, Siritanaratkul N, Nilwarangkur S. Renal function in adult beta-thalassemia/Hb E disease. Nephron 1998; 78: 156-61.

93. Fucharoen S, Winichagoon P, Wisedpanichkij R, Sae-Ngow B, Sriphanich R, Oncoung W, Muangsapaya W, Chowthaworn J, Kanokpongsakdi S, Bunyaratvej A, Piankijagum A, Dewaele C. Prenatal and postnatal diagnoses of thalassemias and hemoglobinopathies by HPLC. Clinical Chemistry 1998; 44: 740-8.

94. Ausavarungnirun R, Winichagoon P, Fucharoen S, Epstein N, Simkins R. Detection of ζ-globin chains in the cord blood by ELISA (enzyme-linked immunosorbent assay): rapid screening for α-thalassemia 1 (Southeast Asian type). Am J Hematol 1998; 57: 283-6.

95. Fucharoen S, Winichagoon P, Siritanaratkul N, Chowthaworn J, Pootrakul P. Alpha and beta-thalassemia in Thailand. Ann NY Acad Sci 1998; 850: 412-4.

96. Fucharoen S, Winichagoon P. Haemoglobin E disorders. Annales Nestl 1998; 56: 64-72.

97. Pattanapanyasat K, Yongvanitchit K, Tongtawe P, Tachavanich K, Wanachiwanawin W, Fucharoen S, Walsh DS. Impairment of Plasmodium falciparum growth in thalassemic red blood cells: further evidence by using biotin labeling and flow cytometry. Blood 1999; 93: 3116-9.

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99. Winichagoon P, Saechan V, Sripanich R, Nopparatana C, Kanokpongsakdi S, Maggio A, Fucharoen S. Prenatal diagnosis of β-thalassaemia by reverse dot-blot hybridization. Prenat Diagn 1999; 19: 428-35.

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102. Lacerra G, Sierakowska H, Carestia C, Fucharoen S, Summerton J, Weller D, Kole R. Restoration of hemoglobin A synthesis in erythroid cells from peripheral blood of thalassemic patients. PNAS 2000; 97: 9591-6.

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104. Winichagoon P, Fucharoen S, Chen P, Wasi P. Genetic factors affecting clinical severity in beta-thalassemia syndromes. J Pediatr Hematol Oncol 2000; 22: 573-80.

105. Fucharoen S, Winichagoon P. Molecular epidemiology of α-thalassemia. J Clin Genetics and Tribal Research 2000; 5: 1-15.

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