

Personal Information



Sawang Saenghirunvattana

Address: Bangkok Hospital

Country: Thailand

Curriculum Vitae

Education:

- **Master of Business Administration (Executive)**
SASIN Graduate Institute of Business Administration (Kellogg, Northwestern University and Wharton, University of Pennsylvania), 1995
- **Fellow in Critical Care Medicine**
Rush-Presbyterian St. Luke Hospital, Chicago, Illinois, 1986
- **Fellow in Pulmonary Medicine**
Chulalongkorn Hospital, 1984
- **Certificate in Internal Medicine**
Chulalongkorn Hospital, 1983
- **Doctor of Medicine**
Chulalongkorn Hospital, 1978

Certifications:

- Certification, 9th Annual Navigational Bronchoscopy Summit: Targeted Diagnostics and Targeted Therapeutics, USA, 2015
- Certification, Fundamentals of Electromagnetic Navigation Bronchoscopy lecture-workshop, Thailand, 2014
- Certification, International Endobronchial Ultrasonography Workshop, Thailand, 2013
- Certification, Medical Thoracoscopy Workshop, Thailand, 2013
- Certification, Thoracic Ultrasound Course, Thailand, 2012
- Certification, Physical Work Performance Evaluation Training, Singapore, 2008
- Certification, Interventional Pulmonary Workshop, Singapore, 2007
- Certification, Diagnostic and Therapeutic Thoracoscopy, Singapore, 2007
- Certification, Endoscopic Ultrasonography, Netherlands, 2006
- Certification, Interventional Pulmonology, Munich, Germany, 2006
- Certification, Interventional Fiberoptic Bronchoscopy, Hong Kong, 2004
- Certification, ECFMG, USA, 1984

Position:

- Senior Director, Pulmonary Center, Bangkok Hospital 2012-Present
- Examining Physician, United Nations 2008-Present
- Professor Emeritus, Samitivej Hospital 2003-Present
- Professor, Ramathibodi Hospital 1993-2003
- Associate Professor, Ramathibodi Hospital 1989-1994
- Assistant Professor, Ramathibodi Hospital 1986-1988
- Clinical Instructor, Ramathibodi Hospital 1984-1985

Interests:

- Fiberoptic bronchoscopy; diagnosis and treatment
- Endobronchial Ultrasonogram-Guided Transbronchial Needle Aspiration

Administration:

- Director, School of Hospital Administration, Thailand 1996-1998
- Research Ethic committee, Ramathibodi Hospital 1999-2002
- Consultant, Ministry of Health, Thailand 1996-2002
- Consultant, Ministry of Labor, Thailand 1995-2002
- Consultant, Ministry of Justice, Thailand 1995-2002
- Board of Director, Cancer Hospital, Thailand 1995-2002
- Director, Quit Smoking Clinic, Ramathibodi Hospital, Thailand 1993-2002
- Board of Director, the Anti-Tuberculosis Association, Thailand 1996-2001
- Editorial Board, Ramathibodi Journal of Medicine, Thailand 1993-2001
- Consultant, Quit Smoking Program in Military Force 1996-2001
- Assistant Dean, Ramathibodi Teaching Hospital, Mahidol University 1996-1998
- Board of Director, Critical Care Medicine, Thailand 1993-1997
- Board of Director, Royal College of Medicine, Thailand 1994-1996
- Board of Director, Ramathibodi Hospital, Thailand 1994-1996

Awards:

1. Best Instructor Award, Ramathibodi Hospital 1987.
2. Researcher Award, Health System Research Institute 1996.
3. Bronze Award, European Respiratory Society 2005.
4. Silver Award, European Respiratory Society 2007.
5. Grant Award, Asia Pacific Society of Respiratory 2008.
6. APSR Travel Awardee, 19th Congress of the Asian Pacific Society of Repirology 2014.

Honors:

1. Knight Grand Cross (First Class) Noblest Order of the Crown of Thailand.
2. Commander (Third Class) Exalted Order of the White Elephant 1989.
3. Knight Commander (Second Class) Noblest Order of the Crown of Thailand 1991.
4. Knight Commander (Second Class) Most Exalted Order of the White Elephant 1994.
5. The Royal Cypher Medal 1995.
6. WHO's WHO in Science, U.S.A. 1998-1999
7. 2000 Outstanding Scientists, UK; 2000
8. WHO's WHO in the World 2000
9. Dictionary of International Biography - Twenty-Eighth Edition 2000

Professional and Club Memberships:

1. President, SASIN's Student Council, School of Management 1993-1995.
2. Member, National Research Institute, Thailand.

Publications:

1. Saenghirunvattana S, MD; Bechara R, MD, FCCP ; Thongprasert S, MD, et al. Role of plasma EGFR in Diagnosing and Managing Lung Cancer among Asian patients. Poster presentation at American Thoracic Society (ATS) international conference. 19-24 May 2017.
2. Saenghirunvattana S, MD; Pitiguagool V, MD; Saenghirunvattana C, MD, et al. Liquid Biopsy EGFR Mutation for Early Detection of Lung Cancer. Poster presentation at American Thoracic Society (ATS) international conference. 19-24 May 2017.
3. Saenghirunvattana S, MD; Bechara R, MD, FCCP; Saenghirunvattana C. Electromagnetic Navigation Bronchoscopy. The Bangkok Medical Journal Vol. 13; February 2017.
4. Saenghirunvattana S, MD; Saenghirunvattana C, MD; Sutthisri K, BSc; Gonzales MC, RNet al. Electromagnetic Navigation Bronchoscopy among Asian Population. Poster presentation at CHEST annual meeting. 26 October 2016.
5. Saenghirunvattana S, MD; Kurimoto N, MD; Suwanakijboriharn C, MD et al. Etiology of size based pulmonary nodules in Asia. The Bangkok Medical Journal Vol. 12; September 2016.
6. Saenghirunvattana S, MD; Saenghirunvattana C, MD; Gonzales MC, RN et al. Verification of Mayo Clinic Formula to Determine Lung Cancer Probability among Patients Living in Tuberculosis Endemic Areas. Poster presentation American Thoracic Society (ATS) 2016.
7. Chunxue Bai, MD & PHD, FCCP; Chang-Min Choi, MD & PHD; Chung Ming Chu, MD, FCCP; Devanand Anantham, MBBS; James Chung-man Ho, MD, FCCP; Ali Zamir Khan, MD & PHD; Jang-Ming Lee, MD & PHD; Shi Yue Li, MD & PHD; Sawang Saenghirunvattana, MD & PHD; Anthony Yim, MD & PHD. Evaluation of pulmonary nodules: clinical practice consensus guidelines for Asia. Chest. 2016.doi:10.1016/j.chest.2016.02.650.
8. Saenghirunvattana S, MD; Napairee C, MD; Saenghirunvattana B, DDS; Gonzales MC, RN; Sutthisri K, BSc; Siangproh C, BSc. Diagnosing Obstructive sleep apnea by performing Fiberoptic bronchoscopy and PEEP titration of mask continuous positive airway pressure. The Bangkok Medical Journal Vol. 11; February 2016.
9. Saenghirunvattana S, MD; Saenghirunvattana C, MD; Gonzales MC, RN et al. Early detection of lung cancer. Oral presentation, 6th Asia Pacific Congress on Bronchology and Interventional Pulmonology (APCB) 2015.
10. Saenghirunvattana S, MD; Napairee C, MD; Panthep Suttinont, MD et al. A case of lung carcinoid tumor successfully treated with bronchoscopic cryosurgery in Thailand. The Bangkok Medical Journal Vol. 10; September 2015.
11. Saenghirunvattana S, MD; Kurimoto N, MD; Suwanakijboriharn C, MD et al. Etiology of Size Based Pulmonary Nodules in Asia. Poster presentation American Thoracic Society (ATS) 2015.
12. Saenghirunvattana S, MD; Napairee C, MD; Saenghirunvattana, P; Gonzales MC, RN; Sutthisri K, BSc; Siangproh C, BSc. Nontuberculous mycobacterium, Mycobacterium and Mixed pulmonary infections. The Bangkok Medical Journal Vol. 9; February 2015.
13. Saenghirunvattana S, MD; Napairee C, MD; Saenghirunvattana B, DDS; Gonzales MC, RN; Sutthisri K, BSc; Siangproh C, BSc. Diagnosing Obstructive sleep apnea by performing Fiberoptic bronchoscopy and PEEP titration of mask continuous positive airway pressure. Poster presentation, Asian pacific Society of Respirology (APSR). 13-16 November 2014.

14. Saenghirunvattana S, MD; Gonzales MC, RN; Sutthisri K, BSc; Siangproh C, BSc. Nontuberculous Mycobacterium diagnosed by using Endobronchial Ultrasound. Poster presentation, Asian Pacific Society of Respiriology (APSR). 13-16 November 2014.
15. Saenghirunvattana S, MD; Pitiguagool V, MD; Suwanakijboriharn C, MD; Pupipat P, MD; Gonzales MC, RN; Sutthisri K, BSc.; Siangproh C, BSc. Different approach on various cases of Tracheal stenosis. Poster presentation, Asian Pacific Society of Respiriology (APSR). 13-16 November 2014.
16. Sukhuma Warrasak, Sawang Saenghirunvattana, Ataya Euswas, Santa Methasiri, Surapon Worapongpaiboon, and Supranee Nirapathpongporn. "Definite Ocular Sarcoidosis Using Endobronchial Ultrasonography with Transbronchial Needle Aspiration," Case Reports in Ophthalmological Medicine, vol. 2014, Article ID 968697, 5 pages, 2014. doi:10.1155/2014/968697
17. Saenghirunvattana, S., Pitiguagool, V., Suwanakijboriharn, C., Pupipat, P., Saenghirunvattana, B., Gonzales, M.C., et al. (2014) Different Approaches on Various Cases of Tracheal Stenosis. Open Journal of Respiratory Diseases, 4, 90-100. <http://dx.doi.org/10.4236/ojrd.2014.43013>
18. Saenghirunvattana, S., Pitiguagool, V., Suwanakijboriharn, C et al. Various Techniques on distinct cases of tracheal stenosis. The Bangkok Medical Journal Vol. 8; September 2014.
19. Saenghirunvattana S., Lodi, T., Napairee, C., Chusaktrakul, S., Boonpeng, C., Castillon, CL., Suthisri, K., Siangprok, C., Gonzales, MC., Endobronchial Ultrasound to evaluate downstaging of Lung cancer after combined chemotherapy and radiation treatment. The Bangkok Medical Journal Vol. 7 February 2014
20. Saenghirunvattana S., Castillon CL., Napairee C., Mekin S., Kodkaew W., Netrawong K., Sabaisuk P., Combination of adult and pediatric fiberoptic bronchoscopy in bronchial cleaning in smoke inhalation-induced respiratory distress syndrome. The Bangkok Medical Journal Vol. 6 September 2013
21. Saenghirunvattana S., Castillon CL., Suthisri K., Chusaktrakul S. Combination of EBUS-GS and EBUS-TBNA in the management of lung lesions. Asian Pacific Congress on Bronchology (APCB); July 2013; 207
22. Saenghirunvattana S. Respiratory disturbance and IgE caused by traffic-related air pollution. The Bangkok Medical Journal Vol. 5; February 2013
23. Saenghirunvattana S. Higher Incidence of Lung Cancer in Passive Smoking women. The Bangkok Medical Journal Vol. 5; February 2013
24. Saenghirunvattana S. Early detection of lung cancer. J thoracic oncology 2012;4 12-3.
25. Saenghirunvattana S., Saenghirunvattana R., Lalande G., Endobronchial valves to occlude bronchopleural fistula and recurrent pneumothorax. The Bangkok Medical Journal Vol. 4; September 2012
26. Saenghirunvattana S., Israpaibool S., Murgu S., Early detection of endobronchial carcinoma using autofluorescence bronchoscopy. The Bangkok Medical Journal Volume 3; February 2012
27. Saenghirunvattana S. Endobronchial ultrasonogram guided transbronchial needle aspiration. J Japan society resp endoscopy, 2011; 45-6.
28. Saenghirunvattana S. Management of hemoptysis. Asian emergency med 2011; 66-67.
29. Saenghirunvattana S. Useful of Quantiferon G in managing solitary pulmonary nodule of less than 3 cm. European Resp Society 2011; 81.
30. Saenghirunvattana S. Diagnosis of peripheral lung lesions (PPLs) by endobronchial ultrasonography, with guide sheath transbronchial biopsy. The Bangkok Medical Journal Vol. 2; September 2011.
31. Saenghirunvattana S., Jolitsakulrata V., Buakham C., Worapongpaiboon S., Nakajima T., Yasufuku K., Fujisawa T., Endobronchial ultrasound guided transbronchial needle aspiration (EBUS-TBNA) followed by Thoracotomies. The Bangkok Medical Journal Vol. 1, February 2011

32. Saenghirunvattana S. Management of resistant strain of swine flu H1N1 2009. European Respiratory Society 2010, 48
33. Saenghirunvattana S. , Masakul N , Saenghirunvattana C, Useful of endobronchial watanabe spigot in pneumothorax with bronchopleural fistula.2009 ;52-53
34. Saenghirunvattana S. Smoking cessation: effectiveness of family support. Eur J. Socie 2009 ;57
35. Saenghirunvattana S, Use of intrabronchial Value to manage hemoptysis. Eur J Socie 2009;
36. Saenghirunvattana S, Use of Endobronchial Ultrasonogram guided transbronchial needle aspiration in identifiy tuberculosis. International infectious Society 2009 ;17
37. Saenghirunvattana S, Effective of influenza vaccine in patient with COPD in prevention of influenza infection International infectious Society 2009 ; 29
38. Saenghirunvattana S, Palliative care in patient with lung cancer using electrocautery. International cancer 2009; 73.
39. Saenghirunvattana S. Use of Watanabe valve occlusion in managing Bronchopleural fistula in lung cancer. Asia Pacific Society of Respirology 2008 ;28
40. Saenghirunvattana S., Masakul N, Saenghirunvattana K, et al. The value of Endobronchial Ultrasonogram guided transbronchial needle aspiration. Asia Pacific Society of Respirology 2008 ;14
41. Saenghirunvattana S., Masakul N, Saenghirunvattana K, et al. Endobronchial Ultrasonogram guided transbronchial needle aspiration followed by Thoracotomies. 15th Wold Congress for Bronchology.2008;169-171
42. Saenghirunvattana S., Masakul N, Saenghirunvattana K, et al. Endobronchial Ultrasonogram guided transbronchial needle aspiration. 7th Roche Asia Oncology Forum 2008, 8 November.
43. Saenghirunvattana S., Masakul N, Saenghirunvattana K, et al. The value of Endobronchial Ultrasonogram guided transbronchial needle aspiration. European Respiratory Society 2008, 589s.
44. Masakul N, Saenghirunvattana S., Jotisakulratana V, et al. Accuracy of Endobronchial Ultrasonogram guided transbronchial needle aspiration followed by thoracotomies. European Respiratory Society 2008, 590s.
45. Saenghirunvattana S., Endobronchial Ultrasonogram guided transbronchial needle aspiration 15th World Congress for Bronchology.2008; 48s.
46. Saenghirunvattana S., Diagnostic Approach in Lung Cancer. Update In Lung Cancer Treatment 2008;28-29s.
47. Saenghirunvattana S., Endobronchial Ultrasonogram guided transbronchial needle aspiration. Asia Pacific Congress of Respirology 2007; 56s.
48. Saenghirunvattana S., Virtual bronchoscopy aids in detection of endobronchial and extraluminal lesion. European Respiratory Society 2007; 296s.
49. Saenghirunvattana S., Endobronchial Ultrasonogram guided transbronchial needle aspiration. Respirology 2007;12:A123
50. Saenghirunvattana S., Endobronchial stent placement in malignant tumor of the airway. Second Asia Pacific Congress of Bronchology 2007; 17s.
51. Saenghirunvattana S., Endobronchial Ultrasonogram guided transbronchial needle aspiration. Second Asia Pacific Congress of Bronchology 2007; 5s.
52. Saenghirunvattana S., Laohathai P., Sangguanrungsirikul S., Worapongpaiboon S., Masakul N. Effectiveness of Activated Hydrogen Ions in Neutralizing Paraquat Intoxication in Rats . J Med Assoc Thai 2007;90(6)1097-9
53. Saenghirunvattana S., Laohathai P., Thawatsupha P., Kitplati R., Masakul N.,Jaturaphunsathaporn W.Influenza Viral Infection in 2005-2006 in Samitivej Hospital J Med Assoc Thai 2007;90 (3):448 -51
54. Saenghirunvattana S., Buakham C, Masakul N, Saenghirunvattana R. Management of Endobronchial Cancer using Bronchoscopic Electrocautery. Eur Resp J 2006;515
55. Saenghirunvattana S., Bronchoscopic Electrocautery. 35th World Congress of the International College Surgeons 2006;48

56. Saenghirunvattana S., Buakham C, Masakul N, Saenghirunvattana R. Management of Endobronchial Cancer Using Bronchoscopic Electrocautery. *J Med Assoc Thai* 2006; 89(4):459-61s.
57. Saenghirunvattana S. Management of lung cancer using brachy therapy. *Thai Int Med*, 2006; 65s.
58. Saenghirunvattana S. Respiratory viral infection in 2006. *Travel Medicine* 2006; 59s.
59. Saenghirunvattana S. Bronchoalveolar lavage in the management of aspiration pneumonia among near drowning Tsunami victims. *EUR Resp J* 2005; 6435-6445s.
60. Saenghirunvattana S. respiratory viral infection 2005, infectious annual meeting 2005; 43s.
61. Hattapornsawan Y*, Saenghirunvattana S** and Udomsubpayakun U***, The respiratory function deterioration in the residential industrial area. *Thai J Tuberc Chest Dis and Crit Care* 2005; 26:181-192s.
62. Saenghirunvattana S, A simple pulmonary rehabilitation program improves health outcomes in patient with chronic lung diseases. 4th world asthma congress 2004; 247s.
63. Saenghirunvattana S, Occupational asthma in chemical industry. 4th world asthma congress 2004; 250.
64. Saenghirunvattana S, Prevalence, nonspecific and specific challenge test of occupational asthma. 4th world asthma congress 2004; 251s.
65. Saenghirunvattana S, Lertdumrongluk P, Thawatsupha P, Udomsubpayakul U. Protective effect of Influenza vaccine in patients with COPD. *Intern Med J Thai* 2003; 19:93-96.
66. Saenghirunvattana S, Loengvattanakij T, et al. Efficacy of inhaled steroid among patients with chronic bronchitis. *Thai J Tuberc Chest Dis* 2003; 24:259-266.
67. Jitpuengan V, Saenghirunvattana S, Udomsapyakul U. Streptococcal pneumonia in patients' chronic obstructive pulmonary disease. *Thai J Tuberc Chest Dis* 2002; 23:191-196.
68. Tankee P, Saenghirunvattana S, Choothakan S. Pneumonia in immunocompromised Host. *Thai J Tuberc Chest Dis* 2002; 23:197-201.
69. Usawawaroon S, Saenghirunvattana S, Prajaktam R, Udomsuppayakul U. Resistance pattern in pulmonary tuberculosis among HIV patients in Ramathibodi Hospital. *Thai J Tuberc Chest Dis* 2002; 23:211-217.
70. Nokeangtong W, Saenghirunvattana S, Choothakan S. Pulmonary infection hematologic malignancy patients. *Thai J Tuberc Chest Dis* 2002; 23:223-228.
71. Saenghirunvattana S. Protective effect of influenza vaccine in patients with chronic obstructive pulmonary disease. *Western Pacific Congress on chemotherapy and infectious disease*. 2002:32.
72. Atisathitkul S, Saenghirunvattana S, Choothakan S. Evaluation the safety and efficacy of moxifloxacin in patients with exacerbation of chronic bronchitis. *Thai J Tuberc Chest Dis* 2002; 23:129-41.
73. Sunyochwit P, Tanpradech S, Saenghirunvattana S, Choothakan S. Factors to determine quality of life among patients with chronic obstructive pulmonary disease in Ramathibodi Hospital. *Thai J Tuberc Chest Dis* 2002; 23:143-150.
74. Majchariyakul D, Saenghirunvattana S. Incidence of penicillin resistant streptococcal pneumonia. *Thai J Tuberc Chest Dis* 2002; 23(2):55-62.
75. Sintuchat R, Saenghirunvattana S, et al. Sensitivity and specificity of urine antigen test of pneumococcal pneumoniae. *Thai J Tuberc Chest Dis* 2002; 23(2):79-87.
76. Bangpattanasiri K, Saenghirunvattana S, Udomsubpayakul U, Choothakan S. Evaluation of ATS guidelines for community-acquired pneumonia in patients at Ramathibodi Hospital. *Intern Med J Thai* 2002; 18:245-248.
77. Subcharoen S, Areechon W, Saenghirunvattana S, Nonsakul R. Multidrug resistant Tuberculosis in Thailand ¶2536-2541. *Thai J Tuberc Chest Dis* 2002; 23(1):17-21.
78. Saenghirunvattana S. HIV-Infected patients and pulmonary tuberculosis: from basic research to clinical 41. Rojanametin S, Saenghirunvattana S, Kiatboonsri S, Thanakitcharu S,

- Charoenpan P, Kiatboonsri C. Community acquired pneumonia. *Thai J Tuberc Chest Dis* 2001; 22(4):235-42.
79. Saenghirunvattana S, Kongngeon V, Aeimrerksiri B, et al. Chronic obstructive pulmonary disease in Thailand: Incidence, prevalence, present status and future trends. *J Med Assoc Thai* 2001; 84:1407-11.
 80. Chibsamanboon P, Saenghirunvattana S, Boonkasem S, Udomsubpayakul U. Early decortication, Intrapleural Streptokinase, Tube-thoracostomy in the Treatment of Empyema Thoracis. *Intern Med J Thai* 2001; 17:335-7.
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 84. Saenghirunvattana S, Sinasa P. Etiologic organisms in acute exacerbations of COPD. *Thai J Tuberc Chest Dis* 2000; 21(4):173-6.
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 87. Saenghirunvattana S, Thanapathomsinchai S, Mokkhavesa C, Janwimaloeung N. Carboxyhemoglobin, Methemoglobin and Sulfhemoglobin in Bangkok Residents during the period 1995-2000. *J Environ Med* 2000;2(2):254-6.
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 91. Saenghirunvattana S. Increasing trend of Multidrug-Resistant Tuberculosis. *Rama Med J* 1998; 21(3):64-5.
 92. Saenghirunvattana S, Hrimthepatip N, Sakulpanich T. Environmental Silicosis. *Rama Med J* 1998; 21(2):47-9.
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 94. Saenghirunvattana S. Wananukul W, Mokkhavesa C, Opasi N. Increasing Carbonmonoxide blood levels in Bangkok bus drivers. *Rama Med J* 1998; 21(1):13-6.
 95. Saenghirunvattana S, Apibal S, Atamasirikul K, Aumkhyan A, Onpun S, Srisurapanon S. Boosting naive T cells in the treatment of pulmonary tuberculosis with short course chemotherapy. *Rama Med J* 1998; 20(4):228-30.
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99. Sawetskulnont U, Jinsart W, Chaiwatanarat T, Saenghirunvattana S. Effects of particulate matter on Tc-99m DTPA lung clearance in traffic policemen in Bangkok Metropolis. *IUATLD 1998*; 2:S298.
100. Prasopchoke W, Jinsart W, Saenghirunvattana S, Effects of PM-10 and silica dust on respiratory health of rock cutting workers and nearby residential population in Saraburi Province. *IUATLD 1998*; 2:S299.
101. Rochanaburanon P, Jinsart W, Chaiwatanarat T, Saenghirunvattana S, Effects of silica dust on Tc-99m DTPA lung clearance of glass and fire-brick industrial workers. *IUATLD 1998*; 2:S300.
102. Saenghirunvattana S., Vorachit M. Management of respiratory tract infections in adults. *Thai J Tuberc Chest Dis 1998*; 19:107-9.
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106. Saenghirunvattana S. Bronchodilatation Effects of Dry Powder Formoterol Fumarate in Asthmatic Patients. *J Med Assoc Thai 1997*; 80:658-61.
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109. Saenghirunvattana S, Effect of Isoniazid Prophylaxis on Incidence of Active tuberculosis among Thai HIV-infected Individuals. *J Med Assoc Thai 1996*; 79:285-7.
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113. Saenghirunvattana S, CD4 and tuberculin test response to treatment of pulmonary tuberculosis among HIV-infected patients. Abstract ICID 1996; 201.
114. Saenghirunvattana S, Silicosis: an increasing problem in Thailand. *Rama Med J 1996*; 18:239.
115. Nuchproyoon C, Saenghirunvattana S, Protocol for smoking cessation. *Rama Med J 1996*; 18:293-4.
116. Saenghirunvattana S, Charoenpan P, Vongsvivat K. Accelerated lung function loss among silicotic patients: 7 years follow up. *Chest 1995*; 107(6) Suppl: A711.
117. Saenghirunvattana S, Wananukul W. Increasing carbonmonoxide blood levels in Bangkok Bus Drivers. *Environment International 1995*; 21:81-4.
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119. Saenghirunvattana S, Effect of isoniazid prophylaxis on incidence of active tuberculosis among Thai HIV-infected patients. *Rama Med J 1995*; 18:60-2.
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