

# CURRICULUM VITAE

**Name:** Pan-Chyr Yang  
**Sex:** Male  
**Birth Date:** February 8, 1954  
**Birth Place:** Taiwan  
**Marital Status:** Married, Two Children



## Degree:

1979 M.D., College of Medicine, National Taiwan University,  
1990 Ph.D., Graduate Institute of Clinical Medicine, National Taiwan University

## Current Positions:

1993-Now Professor, Department of Internal Medicine, College of Medicine, National Taiwan University  
2001-Now Associate Dean for Academic Affairs, College of Medicine, National Taiwan University  
2004-Now Vice Superintendent, National Taiwan University Hospital

## Training and Working Experiences:

1978-1979 Rotating Intern in National Taiwan University Hospital  
1979-1980 Resident, Taipei Demonstration Center, Taiwan Tuberculosis Control Bureau  
1980-1984 Resident, Chief Resident, Department of Internal Medicine, National Taiwan University Hospital  
1984-1986 Attending Physician, King Fahad Hospital, Hofuf, Saudi Arabia  
1986-Now Attending Physician, Department of Internal Medicine, National Taiwan University Hospital  
1989-1990 Lecturer, Department of Internal Medicine, College of Medicine, National Taiwan University  
1990-1993 Associate Professor, Department of Internal Medicine, College of Medicine, National Taiwan University  
1991-Now Adjunct Associate Researcher and Researcher, Institute of Biomedical Sciences, Academia Sinica  
1993-Now Professor, Department of Internal Medicine, College of Medicine, National Taiwan University  
1998-2004 Chairman, Department of Internal Medicine, National Taiwan University Hospital

2000-2002	Adjunct Investigator, President's Lab., National Health Research Institute
2002-2005	Director, Advisory Office, Ministry of Education, ROC
2002-Now	Executive Secretary, NTU Center of Genomic Medicine
2002-Now	Program Director, Microarray Core Facility, National Research Program for Genomic Medicine
2003-Now	President, Taiwan Society of Pulmonary and Critical Care Medicine
2004-Now	Lung Cancer Program Co- Director with President Cheng-Wen Wu, National Research Program for Genomic Medicine
2005-Now	Director, NTUH National Clinical Trial and Research Center
2006-Now	Adjunct Investigator, National Health Research Institute

**Professional Society:**

1. Member of Formosan Medical Association
2. Member of American Thoracic Society
3. Fellow of American College of Chest Physicians
4. Member of American Society of Cell Biology
5. Member of American Association for Cancer Research
6. Member of Metastasis Research Society

**Professional Interests and Specialties:**

1. Internal Medicine
2. Pulmonary and Critical Care Medicine
3. Cell Biology and Molecular Biology
4. Lung Cancer Genetic Epidemiology and Molecular Carcinogenesis
5. Medical Ultrasound

**Journal Reviewer and Editor:**

Journal of Clinical Oncology  
Oncogene  
Hepatology  
Critical Care Medicine  
Clinical Infectious Diseases  
European Journal of Respiratory Diseases  
BMC Cancer  
Cancer Immunology Immunotherapy  
Molecular Carcinogenesis

Cancer  
 Chest  
 Lung Cancer  
 Haematologica  
 Journal of Biomedical Sciences  
 Respirology (Associate Editor)  
 International Journal of Cancer Research (Editorial board)  
 J Formosan Med Assoc (Associate Editor)

**Awards:**

Ten Outstanding Youth Award, R.O.C	1993
Distinguished Clinical Teacher Award, NTUCMAF	1993, 1997
Outstanding Research Award, National Science Council	1994-1995, 1996-1997, 1998-1999
The 7 <sup>th</sup> Annual Wang Ming-Ning Award	1997
Distinguished Teacher Award, National Taiwan University	1999
Outstanding Scholar Award, Foundation for the Advancement of Outstanding Scholarship	2001-2006
Academic Award, Ministry of Education, R.O.C	2002
10 <sup>th</sup> TECH Technology Award	2003

**Clinical and Ethical Training Program:**

Training program or certificate	Sponsor	Date
Clinical Research Ethics and Good Clinical Practice Training Course	New Drug Clinical Trial Center in NTUH	2005/08/09
Research Ethics Committee Member Training Course of the National Taiwan University Hospital	Research Ethics Committee of the National Taiwan University Hospital	2004/09/21

## Publications (2002~2006):

1. Shen HN, Lu FL, Wu HD, Yu CJ, Yang PC: Management of tension pneumatocele with high- frequency oscillatory ventilation. *Chest* 2002;121:284-6.
2. Hsueh PR, Wu JJ, Teng LJ, Chen YC, Yang PC, Ho SW, Luh KT: Primary liver abscess caused by one clone of *Klebsiella pneumoniae* with two colonial morphotypes and resistotypes. *Emerg Infect Dis* 2002;8:100-2.
3. Luh SP, Tsai CC, Shau WY, Shiau SY, Jan IS, Kuo SH, Yang PC: Protective effects of inhaled nitric oxide and gabexate mesilate in lung reperfusion injury after transplantation from non-heart-beat donors. *J Heart Lung Transplant* 2002;21:251-9. (Corresponding author)
4. Yuan A, Yu CJ, Luh KT, Kuo SH, Lee YC, Yang PC: Aberrant p53 expression correlates with expression of vascular endothelial growth factor (VEGF) mRNA and interleukin-8 mRNA and neoangiogenesis in non-small cell lung cancer. *J Clin Oncol* 2002;20:900-10. (Corresponding author)
5. Yang CH, Tsai CM, Wang LS, Lee YC, Chang CJ, Lui LT, Yen SH, Hsu C, Cheng AL, Liu MY, Chiang SC, Chen YM, Luh KT, Huang MH, Yang PC, Perng RP: Gemcitabine and cisplatin in a multimodality treatment for locally advanced non-small cell lung cancer. *Br J Cancer* 2002;86:190-5. (Corresponding author)
6. Hsueh PR, Teng LJ, Lee LN, Yang PC, Ho SW, Lue HC, Luh KT: Increased prevalence of erythromycin resistance in streptococci: substantial upsurge in erythromycin-resistant M phenotype in *Streptococcus pyogenes* (1979-1998) but not in *Streptococcus pneumoniae* (1985-1999) in Taiwan. *Microb Drug Resist* 2002;8:27-33.
7. Chen HW, Chen JJ, Tzeng CR, Li HN, Chang SJ, Cheng YF, Chang CW, Wang RS, Yang PC, Lee YT: Global analysis of differentially expressed genes in early gestational decidua and chorionic villi using a 9600 human cDNA microarray. *Mol Hum Reprod* 2002;8:475-84.
8. Wang HW, Chen TL, Yang PC, Ma YC, Yu CC, Ueng TH: Induction of cytochromes P450 1A1 and 1B1 in human lung adenocarcinoma CL5 cells by frying-meat emission particulate. *Food Chem Toxicol* 2002;40:653-61.
9. Liaw YS, Tsai-Wu JJ, Wu CH, Hung CC, Lee CN, Yang PC, Luh KT, Kuo SH: Variations in the NRAMP1 gene and susceptibility of tuberculosis in Taiwanese. *Int J Tuberc Lung Dis* 2002;6:454-60.
10. Chien JY, Shih JT, Hsueh PR, Yang PC, Luh KT: *Vibrio alginolyticus* as the cause of pleural empyema and bacteremia in an immunocompromised patient. *Eur J Clin Microbiol Infect Dis* 2002;21:401-3.
11. Lee HS, Tang JL, Chiou LL, Tsai KS, Jiang CC, Yang PC, Yang PM, Huang GT: Osteogenic differentiation of mesenchymal stem cells derived from bone marrow of patients with myeloproliferative disorders. *J Formos Med Assoc* 2002;101:124-8.
12. Luh SP, Yang PC, Lee CJ: Poland's syndrome with spontaneous pneumothorax: report of two cases. *J Formos Med Assoc* 2002;101:148-51.
13. Wu TT, Wang HC, Chang YC, Lee YC, Chang YL, Yang PC: Mature mediastinal teratoma: sonographic imaging patterns and pathologic correlation. *J Ultrasound Med* 2002;21:759-65.

14. Wang HC, Shun CT, Hsu SM, Kuo SH, Luh KT, Yang PC: Fas/Fas ligand pathway is involved in the resolution of type II pneumocyte hyperplasia after acute lung injury: evidence from a rat model. *Crit Care Med* 2002;30:1528-34. (Corresponding author)
15. Wang PW, Kuo PH, Chang YC, Yang PC: A patient with right upper quadrant abdominal pain, hypotension and dyspnoea. *Eur Respir J* 2002;20:238-41.
16. Chen KY, Jerng JS, Liao WY, Ding LW, Kuo LC, Wang JY, Yang PC: Pneumothorax in the ICU: patient outcomes and prognostic factors. *Chest* 2002;122:678-83. (Corresponding author)
17. Hsueh PR, Kao JH, Chen YC, Yang PC, Luh KT, Wang TK, Lin SF: Paratyphoid hepatitis: an emerging clinical entity. *Am J Med* 2002;113:257-8.
18. Cheng SL, Chang HT, Lau HP, Lee LN, Yang PC: Pulmonary alveolar proteinosis: treatment by bronchofiberscopic lobar lavage. *Chest* 2002;122:1480-5.
19. Ho CC, Huang PH, Huang HY, Chen YH, Yang PC, Hsu SM: Up-regulated caveolin-1 accentuates the metastasis capability of lung adenocarcinoma by inducing filopodia formation. *Am J Pathol* 2002;161:1647-56.
20. Wang JY, Chen KY, Wang JT, Chen JH, Lin JW, Wang HC, Lee LN, Yang PC: Outcome and prognostic factors for patients with non-small-cell lung cancer and severe radiation pneumonitis. *Int J Radiat Oncol Biol Phys* 2002;54:735-41.
21. Cheng SL, Kuo PH, Yang PC, Luh KT: Bilateral alveolar infiltrates in a 29-year-old man with chronic myelogenous leukemia. *Chest* 2002;122:2238-41.
22. Jiang JR, Shih JY, Wang HC, Wu RM, Yu CJ, Yang PC: Small-cell lung cancer presenting with Lambert-Eaton myasthenic syndrome and respiratory failure. *J Formos Med Assoc* 2002;101:871-4.
23. Hsueh PR, Teng LJ, Yang PC, Ho SW, Luh KT: Emergence of nosocomial candidemia at a teaching hospital in Taiwan from 1981 to 2000: increased susceptibility of *Candida* species to fluconazole. *Microb Drug Resist* 2002;8:311-9.
24. Cheng SL, Wang HC, Yang PC: Posterior mediastinal arteriovenous malformation with atypical color Doppler sonographic findings. *J Clin Ultrasound* 2003;31:44-7. (Corresponding author)
25. Chang YC, Wang HC, Yang PC: Usefulness of computed tomography-guided transthoracic small-bore coaxial core biopsy in the presence of a pneumothorax. *J Thorac Imaging* 2003;18:21-6. (Corresponding author)
26. Chen JJW, Yao PL, Yuan A, Hong TM, Shun CT, Kuo ML, Yang PC: Up-regulation of tumoral interleukin-8 expression by infiltrating macrophages and its correlation with tumor angiogenesis and patient survival in non-small cell lung cancer. *Clin Cancer Res* 2003;9:729-37. (Corresponding author)
27. Shih JY, Lee YCG, Yang SC, Hong TM, Huang CYF, Yang PC: Collapsin response mediator protein-1: a novel invasion-suppressor gene. *Clin Exp Metastas* 2003;20:69-76. (Corresponding author)
28. Shen HN, Lin LY, Chen KY, Kuo PH, Yu CJ, Wu HD, Yang PC: Changes of heart rate variability during ventilator weaning. *Chest* 2003;123:1222-8.
29. Wang HW, Ueng TH, Chen TL, Yang PC: Effect of frying-meat emission particulate on 17beta-estradiol 2- and 4-hydroxylation in human lung adenocarcinoma CL5 cells. *J Toxicol Environ Health A* 2003; 66:1175-88.
30. Tsai TH, Yang PC: Ultrasound in the diagnosis and management of pleural disease.

Curr Opin Pulm Med 2003;9:282-90. (Corresponding author)

31. Wang JY, Lee LN, Hsueh PR, Shih JY, Chang YL, Yang PC, Luh KT: Tuberculous myositis: a rare but existing clinical entity. *Rheumatology (Oxford)* 2003;42:836-40.
32. Oon PC, Jerng JS, Kao HL, Chang YL, Yu CJ, Yang PC: Diffuse alveolar damage associated with ticlopidine use: a case report. *J Formos Med Assoc* 2003;102:262-5.
33. Kao YR, Shih JY, Wen WC, Ko YP, Chen BM, Chan YL, Chu YW, Yang PC, Wu CW, Roffler SR: Tumor-associated antigen L6 and the invasion of human lung cancer cells. *Clin Cancer Res* 2003;9:2807-16.
34. Lee PL, Jerng JS, Chang YL, Chen CF, Hsueh PR, Yu CJ, Yang PC, Luh KT: Patient mortality of active pulmonary tuberculosis requiring mechanical ventilation. *Eur Respir J* 2003;22:141-7.
35. Kuo LC, Shau WY, Yang PC, Kuo SH: Trends in asthma mortality in Taiwan, 1981-2000. *J Formos Med Assoc* 2003;102:534-8.
36. Kuo LC, Yu CJ, Lee LN, Wang JL, Wang HC, Hsueh PR, Yang PC: Clinical features of pandrug-resistant *Acinetobacter baumannii* bacteremia at a university hospital in Taiwan. *J Formos Med Assoc* 2003;102:601-6.
37. Wang JY, Chung PY, Yu CJ, Yang PC: Continuous lateral rotational therapy in the medical intensive care unit. *J Formosan Med Assoc* 2003;102:788-92.
38. Jiang JR, Wang HC, Chang YC, Yang PC: Postural stridor. *Lancet*. 2003;362:704.
39. Hsueh PR, Hsiao CH, Yeh SH, Wang WK, Chen PJ, Wang JT, Chang SC, Kao CL, Yang PC, and The SARS Research Group of National Taiwan University College of Medicine and National Taiwan University Hospital. Correlation of Microbiologic Characteristics, Serologic Responses, and Clinical Manifestations in Severe Acute Respiratory Syndrome. *Emerg Infect Dis* 2003;9:1163-7. (Corresponding author)
40. Wang JL, Wang JT, Yu CJ, Chen YC, Hsueh PR, Hsiao CH, Kao CL, Chang SC, Yang PC: Rhabdomyolysis associated with probable SARS. *Am J Med*. 2003;115:421-2.
41. Tsai HC, Kuo PH, Yang PC: Fever, consciousness disturbance, and muscle rigidity in a 68-year-old man with depressive disorder. *Chest* 2003;124:1598-601.
42. Wang PH, Kuo PH, Hsu CL, Wu HD, Chang YS, Kuo SH, Yang PC: Diagnostic value of negative expiratory pressure for airway hyperreactivity. *Chest* 2003;124:1762-7.
43. Hsueh PR, Yang PC: Severe acute respiratory syndrome (SARS) - an emerging infection of the 21st century. *J Formos Med Assoc*. 2003;102:825-39. (Corresponding author)
44. Chen HW, Yu SL, Chen JJ, Li HN, Lin YC, Yao PL, Chou HY, Chien CT, Chen WJ, Lee YT, Yang PC: Anti-invasive gene expression profile of curcumin in lung adenocarcinoma based on a high throughput microarray analysis. *Mol Pharmacol* 2004;65:99-110. (Corresponding author)
45. Su JL, Shih JY, Yen ML, Jeng YM, Chang CC, Hsieh CY, Wei LH, Yang PC, Kuo ML: Cyclooxygenase-2 induces EP1- and HER-2/Neu-dependent vascular endothelial growth factor-C up-regulation: a novel mechanism of lymphangiogenesis in lung adenocarcinoma. *Cancer Res* 2004;64:554-64.

46. Yeh SH, Wang HY, Tsai CY, Kao CL, Yang JY, Liu HW, Su IJ, Tsai SF, Chen DS, Chen PJ, The National Taiwan University SARS Research Team, Chen DS, Lee YT, Teng CM, Yang PC, Ho HN, Chen PJ, Chang MF, Wang JT, Chang SC, Kao CL, Wang WK, Hsiao CH, Hsueh PR: Characterization of severe acute respiratory syndrome coronavirus genomes in Taiwan: Molecular epidemiology and genome evolution. *Proc Natl Acad Sci USA*. 2004;101:2542-7.
47. Chang CC, Shih JY, Jeng YM, Su JL, Lin BZ, Chen ST, Chau YP, Yang PC, Kuo ML: Connective tissue growth factor and its role in lung adenocarcinoma invasion and metastasis. *J Natl Cancer Inst* 2004;96:364-75.
48. Yu SL, Chen HW, Yang PC, Peck K, Tsai MH, Chen JJ, Lin FY: Differential gene expression in gram-negative and gram-positive sepsis. *Am J Respir Crit Care Med* 2004;169:1135-43.
49. Shen HN, Jerng JS, Yu CJ, Yang PC: Outcome of coal worker's pneumoconiosis with acute respiratory failure. *Chest* 2004;125:1052-8.
50. Chie WC, Yang CH, Hsu C, Yang PC: Quality of life of lung cancer patients: validation of the Taiwan Chinese version of the EORTC QLQ-C30 and QLQ-LC13. *Qual Life Res* 2004;13:257-62.
51. Shih TT, Chang CJ, Tseng WY, Hsiao JK, Shen LC, Liu TW, Yang PC: Effect of calcium channel blockers on vertebral bone marrow perfusion of the lumbar spine. *Radiology* 2004;231:24-30. (Corresponding author)
52. Hsueh PR, Chen PJ, Hsiao CH, Yeh SH, Cheng WC, Wang JL, Chiang BL, Chang SC, Chang FY, Wong WW, Kao CL, Yang PC; SARS Research Group of National Taiwan University College of Medicine and National Taiwan University Hospital. Patient data, early SARS epidemic, Taiwan. *Emerg Infect Dis* 2004;10:489-93.
53. Chien JY, Hsueh PR, Chang SC, Hwang JJ, Yu CJ, Yang PC: Relapse of SARS upon tapering corticosteroid. *Intensive Care Med* 2004;30:1240-1.
54. Luh SP, Yang PC, Lee CJ, Tsai TP, Wang YH: Comparison of histidine-tryptophan-ketoglutarate and Euro-Collins solutions for lung preservation using the minipig in situ warm ischemia model. *J Formos Med Assoc* 2004;103:292-6.
55. Wang JT, Sheng WH, Fang CT, Chen YC, Wang JL, Yu CJ, Chang SC, Yang PC: Clinical manifestations, laboratory findings, and treatment outcomes of SARS patients. *Emerg Infect Dis* 2004;10:818-24.
56. Chen YC, Chen PJ, Chang SC, Kao CL, Wang SH, Wang LH, Yang PC; SARS Research Group of National Taiwan University College of Medicine and National Taiwan University Hospital. Infection control and SARS transmission among healthcare workers, Taiwan. *Emerg Infect Dis* 2004;10:895-8.
57. Chang WT, Kao CL, Chung MY, Chen SC, Lin SJ, Chiang WC, Chen SY, Su CP, Hsueh PR, Chen WJ, Chen PJ, Yang PC: SARS exposure and emergency department workers. *Emerg Infect Dis* 2004;10:1117-9.
58. Cheng SL, Yu CJ, Chen CJ, Yang PC: Genetic polymorphism of epoxide hydrolase and glutathione S-transferase in COPD. *Eur Respir J* 2004;23:818-24.
59. Wang JY, Chang YL, Lee LN, Chen JH, Tang JL, Yang PC, Lee YC: Diffuse pulmonary infiltrates after bone marrow transplantation: the role of open lung biopsy. *Ann Thorac Surg* 2004;78:267-72.

60. Jiang JR, Tsai TH, Jerng JS, Yu CJ, Wu HD, Yang PC: Ultrasonographic evaluation of liver/spleen movements and extubation outcome. *Chest* 2004;126:179-85.
61. Wu TT, Yuan A, Chen CY, Chen WJ, Luh KT, Kuo SH, Lin FY, Yang PC: Cardiac troponin I levels are a risk factor for mortality and multiple organ failure in noncardiac critically ill patients and have an additive effect to the APACHE II score in outcome prediction. *Shock* 2004;22:95-101.
62. Hsu YL, Wang HC, Yang PC: Desbaric air embolism during diving: an unusual complication of Osler-Weber-Rendu disease. *Br J Sports Med* 2004;38:E6.
63. Chou WR, Kuo PH, Shih JC, Yang PC: A 31-year-old pregnant woman with progressive exertional dyspnea and differential cyanosis. *Chest* 2004;126:638-41.
64. Shih TT, Liu HC, Chang CJ, Wei SY, Shen LC, Yang PC: Correlation of MR lumbar spine bone marrow perfusion with bone mineral density in female subjects. *Radiology* 2004 ;233:121-8. (Corresponding author)
65. Wang WK, Chen SY, Liu IJ, Chen YC, Chen HL, Yang CF, Chen PJ, Yeh SH, Kao CL, Huang LM, Hsueh PR, Wang JT, Sheng WH, Fang CT, Hung CC, Hsieh SM, Su CP, Chiang WC, Yang JY, Lin JH, Hsieh SC, Hu HP, Chiang YP, Wang JT, Yang PC, Chang SC; SARS Research Group of the National Taiwan University/National Taiwan University Hospital. Detection of SARS-associated coronavirus in throat wash and saliva in early diagnosis. *Emerg Infect Dis* 2004;10:1213-9.
66. Liaw YS, Hsueh PR, Yu CJ, Wang SK, Yang PC, Luh KT: Drug resistance pattern of Mycobacterium tuberculosis in a university hospital in Taiwan, 1998-2002. *J Formos Med Assoc.* 2004;103:671-7.
67. Wang WK, Chen SY, Liu IJ, Kao CL, Chen HL, Chiang BL, Wang JT, Sheng WH, Hsueh PR, Yang CF, Yang PC, Chang SC; Severe Acute Respiratory Syndrome Research Group of the National Taiwan University College of Medicine/NTU Hospital. Temporal relationship of viral load, ribavirin, interleukin (IL)-6, IL-8, and clinical progression in patients with severe acute respiratory syndrome. *Clin Infect Dis* 2004;39:1071-5.
68. Hsueh PR, Yang PC: SARS outbreak in Taiwan. *Emerg Infect Dis* 2004;10:1514-5.
69. Liao WY, Jerng JS, Chen KY, Chang YL, Yang PC, Kuo SH: Value of imprint cytology for ultrasound-guided transthoracic core biopsy. *Eur Respir J* 2004;24:905-9.
70. Hsueh PR, Huang LM, Chen PJ, Kao CL, Yang PC: Chronological evolution of IgM, IgA, IgG and neutralisation antibodies after infection with SARS-associated coronavirus. *Clin Microbiol Infect* 2004;10:1062-6.
71. Luh SP, Tsai TP, Chou MC, Yang PC, Lee CJ: Video-assisted thoracic surgery for spontaneous pneumothorax: outcome of 189 cases. *Int Surg* 2004;89:185-9.
72. Yuan A, Chen JJ, Yao PL, Yang PC: The role of interleukin-8 in cancer cells and microenvironment interaction. *Front Biosci* 2005;10:853-65. (Corresponding author)
73. Sher YP, Shih JY, Yang PC, Roffler SR, Chu YW, Wu CW, Yu CL, Peck K: Prognosis of non-small cell lung cancer patients by detecting circulating cancer cells in the peripheral blood with multiple marker genes. *Clin Cancer Res* 2005;11:173-9.
74. Lee LN, Lo SC, Lau HP, Jerng JS, Lin FC, Yang PC: Hepatitis C-associated cryoglobulinaemia presenting with refractory hypertensive crisis and acute pulmonary



oedema. *Med J Aust* 2005;182:38-40.

75. Yu CJ, Shih JY, Lee YC, Shun CT, Yuan A, Yang PC: Sialyl Lewis antigens: association with MUC5AC protein and correlation with post-operative recurrence of non-small cell lung cancer. *Lung Cancer* 2005;47:59-67. (Corresponding author)
76. Hsu CL, Kuo PH, Wang PH, Wu HD, Kuo SH, Yang PC: Negative expiratory pressure in the assessment of bronchodilator response: comparison of spirometry and the interrupter method. *J Formos Med Assoc* 2005;104:12-6.
77. Chen JJW, Lin YC, Yao PL, Yuan A, Chen HY, Tsai MF, Chen CH, Yang PC : Tumor-Associated Macrophages: The double edge sword in cancer progression. *J Clin Oncol* 2005;23:953-64. (Corresponding author)
78. Wang WK, Fang CT, Chen HL, Yang CF, Chen YC, Chen ML, Chen SY, Yang JY, Lin JH, Yang PC, Chang SC; Members of the SARS Research Group of National Taiwan University College of Medicine-National Taiwan University Hospital: Detection of severe acute respiratory syndrome coronavirus RNA in plasma during the course of infection. *J Clin Microbiol* 2005;43:962-5.
79. Hsu CL, Chen KY, Chang CH, Jerng JS, Yu CJ, Yang PC: Timing of tracheostomy as a determinant of weaning success in critically ill patients: a retrospective study. *Crit Care* 2005 ;9:R46-52.
80. Hsiao CH, Wu MZ, Chen CL, Hsueh PR, Hsieh SW, Yang PC, Su IJ: Evolution of pulmonary pathology in severe acute respiratory syndrome. *J Formos Med Assoc* 2005;104:75-81.
81. Kuo LC, Yang PC, Kuo SH: Trends in the mortality of chronic obstructive pulmonary disease in Taiwan, 1981-2002. *J Formos Med Assoc* 2005;104:89-93.
82. Oon PC, Shen HN, Yang PC: Intrathoracic kidney. *J Formos Med Assoc* 2005;104:120-2.
83. Cheng SL, Wang HC, Lee YC, Yang PC, Kuo SH, Luh KT: The role of bronchoscopic assessment in esophageal cancer - clinical and survival analysis in 153 patients. *J Formos Med Assoc* 2005;104:168-73.
84. Wang JL, Chen KY, Fang CT, Hsueh PR, Yang PC, Chang SC: Changing bacteriology of adult community-acquired lung abscess in Taiwan: *Klebsiella pneumoniae* versus anaerobes. *Clin Infect Dis* 2005;40:915-22.
85. Wang JY, Hsueh PR, Lee LN, Liaw YS, Shau WY, Yang PC, Luh KT: Mycobacterium tuberculosis inducing disseminated intravascular coagulation. *Thromb Haemost* 2005;93:729-34.
86. Hsueh PR, Yang PC: Severe acute respiratory syndrome epidemic in Taiwan, 2003. *J Microbiol Immunol Infect* 2005;38:82-8.
87. Kuo SH, Yang CH, Yu CJ, Hsu C, Cheng AL, Yang PC: Survival of stage IIIB/IV non-small cell lung cancer patients who received chemotherapy but did not participate in clinical trials. *Lung Cancer* 2005;48:275-80.
88. Tsai MS, Chiang WC, Chen WJ, Yuan A, Yang PC: Occult spontaneous pneumomediastinum. *Am J Emerg Med* 2005;23:410-1.
89. Liu IJ, Chen PJ, Yeh SH, Chiang YP, Huang LM, Chang MF, Chen SY, Yang PC, Chang SC, Wang WK; SARS Research Group of the National Taiwan University College of Medicine-National Taiwan University Hospital: Immunofluorescence assay for detection of the nucleocapsid antigen of the severe acute respiratory

syndrome (SARS)-associated coronavirus in cells derived from throat wash samples of patients with SARS. *J Clin Microbiol* 2005;43:2444-8.

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91. Yao PL, Lin YC, Wang CH, Huang YC, Liao WY, Wang SS, Chen JJ, Yang PC: Autocrine and paracrine regulation of IL-8 expression in lung cancer cells. *Am J Respir Cell Mol Biol* 2005;32:540-7. (Corresponding author)
92. Chen KY, Chang CH, Yu CJ, Kuo SH, Yang PC: Distribution according to histologic type and outcome by gender and age group in Taiwanese patients with lung carcinoma. *Cancer* 2005;103:2566-74. (Corresponding author)
93. Yuan A, Yu CJ, Shun CT, Luh KT, Kuo SH, Lee YC, Yang PC: Total cyclooxygenase-2 mRNA levels correlate with vascular endothelial growth factor mRNA levels, tumor angiogenesis and prognosis in non-small cell lung cancer patients. *Int J Cancer*.2005;115:545-55. (Corresponding author)
94. Hsu CL, Chen KY, Yeh PS, Hsu YL, Chang HT, Shau WY, Yu CL, Yang PC: Outcome and prognostic factors in critically ill patients with systemic lupus erythematosus: a retrospective study. *Crit Care* 2005;9:R177-83.
95. Shih JY, Gow CH, Yang PC: EGFR mutation conferring primary resistance to gefitinib in non-small-cell lung cancer. *N Engl J Med* 2005;353:207-8. (Corresponding author)
96. Yang CH, Chen MC, Cheng AL, Hsu CH, Yeh KH, Yu YC, Whang-Peng J, Yang PC: Survival outcome of inoperable non-small cell lung cancer patients receiving conventional dose epirubicin and paclitaxel as first-line treatment. *Oncology* 2005;68:350-5. (Corresponding author)
97. Chang YW, Chen SC, Cheng EC, Ko YP, Lin YC, Kao YR, Tsay YG, Yang PC, Wu CW, Roffler SR: CD13 (aminopeptidase N) can associate with tumor-associated antigen L6 and enhance the motility of human lung cancer cells. *Int J Cancer* 2005;116:243-52.
98. Chou WC, Chen HY, Yu SL, Cheng L, Yang PC, Dang CV: Arsenic suppresses gene expression in promyelocytic leukemia cells partly through Sp1 oxidation. *Blood* 2005;106:304-10.
99. Tsai TH, Jerng JS, Chen KY, Yu CJ, Yang PC: Community-acquired thoracic empyema in older people. *J Am Geriatr Soc* 2005;53:1203-9.
100. Yang CH, Huang CJ, Yang CS, Chu YC, Cheng AL, Whang-Peng J, Yang PC: Gefitinib reverses chemotherapy resistance in gefitinib-insensitive multidrug resistant cancer cells expressing ATP-binding cassette family protein. *Cancer Res* 2005;65:6943-9.
101. Yao PL, Tsai MF, Lin YC, Wang CH, Liao WY, Chen JJW, Yang PC: Global expression profiling of theophylline response genes in macrophages: evidence of airway anti-inflammatory regulation. *Respir Res* 2005;6:89. (Corresponding author)
102. Chen WJ, Chen HW, Yu SL, Huang CH, Wang TD, Chen JJ, Chien CT, Chen HY, Yang PC, Lee YT: Gene expression profiles in hypoxic preconditioning using cDNA microarray analysis: altered expression of an angiogenic factor, carcinoembryonic antigen-related cell adhesion molecule 1. *Shock* 2005;24:124-131.

103. Chien JY, Jerng JS, Yu CJ, Yang PC: Low serum level of high-density lipoprotein cholesterol is a poor prognostic factor for severe sepsis. *Crit Care Med* 2005;33:1688-93.
104. Chang YC, Yu CJ, Chang SC, Galvin JR, Liu HM, Hsiao CH, Kuo PH, Chen KY, Franks TJ, Huang KM, Yang PC: Pulmonary sequelae in convalescent patients after severe acute respiratory syndrome: evaluation with thin-section CT. *Radiology* 2005;236:1067-75. (Corresponding author)
105. Lee HS, Sherley JL, Chen JJ, Chiu CC, Chiou LL, Liang JD, Yang PC, Huang GT, Sheu JC: EMP-1 is a junctional protein in a liver stem cell line and in the liver. *Biochem Biophys Res Commun* 2005;334:996-1003.
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