

Curriculum Vitae

PERSONAL DATA

Name: Wu-Huei Hsu (徐武輝)
Sex: Male
Birthday: May 3, 1959
Birthplace: Feng-Yuan, Taichung, Taiwan
Married Status: Married
Citizenship: Taiwan

EDUCATION

Colledge: China Medical College (China Medical University, Now)
September 1978 - June 1985

Clinical Visiting Scholarship, Osaka University Hospital,
Osaka, Japan September 1993-March 1994

PRESENT POSITION

Chairman and Professor : Department of Internal Medicine,
China Medical University Hospital
Taichung, Taiwan, Aug 2008 ---

WORKING EXPERIENCE

Internship : Taipei Veterans General Hospital
June 1984 - May 1985

Resident : Department of Internal Medicine
Taichung Veterans General Hospital
July 1985 - Sep 1989

Chief Resident: Division of Chest Medicine
Department of Internal Medicine
Taichung Veterans General Hospital
Oct 1989 - Sep 1990

Attending Physician: Division of Chest Medicine
Department of Internal Medicine
Taichung Veterans General Hospital
Oct 1990 – May 1998

Director and Associate Professor : Department of Medicine
Provincial Feng-Yuan Hospital
Feng-Yuan, Taichung, Taiwan
Jun 1998 – Nov 2001

Deputy director and Associate Professor : Department of Internal Medicine
China Medical University Hospital
Taichung, Taiwan
Dec 2001 -

Deputy Director and Professor : Department of Internal Medicine,
China Medical University Hospital
Taichung, Taiwan, Feb 2007 ---

Chairman and Professor : Department of Internal Medicine,
China Medical University Hospital
Taichung, Taiwan, Aug 2008 ---

Medical Licensure: Board of Internal Medicine 1989
Board of Pulmonary and Critical Care Medicine 1989

Membership in Society: Member of Formosan Medical Association
Member of Internal Medicine Association, R.O.C.
Member of Taiwan Society of Pulmonary and
Critical Care Medicine
Member of Chinese Taipei Society of Ultrasound in
Medicine
Fellow of American College of Chest Physician,U.S.A.

Journal Reviewer : Chest
Ultrasound in Medicine and Biology
European Journal of Ultrasound
Current Respiratory Medicine Reviews
International Journal of Tuberculosis and Lung Diseases
Respiration
Journal of Critical Care
Journal of Formosan Medical Association
Journal of Chinese Medical Association
Journal of Medical Ultrasound
Thoracic Medicine

PAPERS (SCI Articles)

1. **Hsu WH**, Chiang CD, Lee HJ, Yang WY, Huang WL, Kwan PC, Chen CY. Large mass-like pulmonary cryptococcosis: report of 2 cases. *J Formosan Med Assoc* 1989; 88: 1160-2.
2. **Hsu WH**, Chiang CD, Chen WT, Chen CF. Diagnostic value of adenosine deaminase and gamma-interferon in tuberculous and malignant pleural effusions. *J Formosan Med Assoc* 1989; 88: 879-82.
3. **Hsu WH**, Chiang CD, Hsu JY, Huang WL. Detection of mass lesions in the collapsed lung by ultrasonography. *J Formosan Med Assoc* 1992; 91: 57-62.
4. **Hsu WH**, Chiang CD, Hsu JY, Huang WL. Impalpable thoracic bony lesions diagnosed by sonographically guided needle aspiration biopsy. *J Ultrasound Med* 1992; 11: 105-9.
5. **Hsu WH**, Chiang CD, Huang PL. Diagnostic value of pleural adenosine deaminase in relatively immunocompromised hosts with tuberculous pleural effusions. *J Formosan Med Assoc* 1993; 92: 668-70.
6. **Hsu WH**, Chiang CD, Wang RC, Chiang CS, Hsu JY. Apical malignancies diagnosed by ultrasound-guided fine needle aspiration biopsy. *J Formosan Med Assoc* 1993; 92:983-7.
7. **Hsu WH**, Chiang CD, Hsu JY, Kwan PC, Chen CL, Chen CY. Ultrasonically guided needle biopsy of anterior mediastinal masses : comparison of carcinomatous and non-carcinomatous masses. *J Clin Ultrasound* 1995; 23:349-356.
8. Chen CC, **Hsu WH**, Huang CM, Chen CY, Kwan PC, Chiang CD. Ultrasound-guided fine-needle aspiration biopsy of solitary pulmonary nodules. *J Clin Ultrasound* 1995; 23:531-536.
9. **Hsu WH**, Chiang CD, Hsu JY, Kwan PC, Chen CL, Chen CY. Ultrasound-guided fine needle aspiration biopsy of lung cancers. *J Clin Ultrasound* 1996; 24:225-33.
10. **Hsu WH**, Ikezoe J, Chen CY, Kwan PC, Hsu CP, Hsu NY, Chiang CD, Ho WL. Color Doppler ultrasound signals of thoracic lesions : correlation with resected histologic specimens. *Am J Respir Crit Care Med* 1996; 153:1938-51.
11. **Hsu WH**, Chiang CD, Hsu JY, Chen CY, Chiang CS, Lee T. Value of ultrasonically guided needle biopsy of pleural masses : an under-utilized technique. *J Clin Ultrasound* 1997; 25:119-125.
12. **Hsu WH**, Chiang CD, Chen CY, Hsu JY, Chang MC. 1997. Ultrasound-guided fine needle aspiration biopsy in the diagnosis of chronic pulmonary infection. *Respiration* 64:319-325.

13. Kuo TH, **Hsu WH**, Chiang CD, Huang CM, Chen CY, Chang MC. 1998. Ultrasound-guided fine needle aspiration biopsy in the diagnosis of pulmonary cryptococcosis. *J Formosan Med Assoc* 97:197-203.
14. **Hsu WH**, Chiang CD, Chen CY, Kwan PC, Hsu JY. 1998. Ultrasound-guided small-bore Elecath tube insertion for the rapid sclerotherapy of malignant pleural effusion. *Jpn J Clin Oncol* 1998; 28:187-191.
15. **Hsu WH**, Chiang CD, Chen CY, Kwan PC, Hsu JY, Hsu CP, Ho WL. 1998. Color Doppler ultrasound pulsatile flow signals of thoracic lesions : comparison of lung cancers and benign lesions. *Ultrasound Med Biol* 1998; 24:1087-1095.
16. Wu-CL, **Hsu WH**, Huang CM, Chiang CD. Indolent cutaneous mucormycosis with pulmonary dissemination in an asthmatic patient : survival after local debridement and amphotericin B therapy. *J Formos Med Assoc* 2000; 99:354-357.
17. **Hsu WH**, Yen RF, Kao CH, Shih CS, Hsu NY, Lin CC, Lee CC. Predicting chemotherapy response to Paclitaxel-based therapy in advanced non-small-cell lung cancer (stage IIIb or IV) with a higher T stage (> T2). *Oncology* 2002; 63:173-179.
18. Yeh JJ, Liu FY, **Hsu WH**, Wang JJ, Ho ST, Kao A. Monitoring cytokeratin fragment 19 (CYFRA 21-1) serum levels for early prediction of recurrence of adenocarcinoma and squamous cell carcinoma in the lung after surgical resection. *Lung* 2002; 180:273-279.
19. **Hsu WH**, Hsu NY, Shen YY, Yen RF, Kao CH. Differentiating solitary pulmonary metastases in patients with extrapulmonary neoplasms using FDG-PET. *Cancer Invest* 2003; 21: 47-52.
20. Yeh JJ, **Hsu WH**, Wang JJ, Ho ST, Kao A. Predicting chemotherapy response to paclitaxol-based therapy in advanced non-small-cell lung cancer with p-glycoprotein expression. *Respiration* 2003; 70:32-35.
21. Liu CM, Hang LW, Chen WK, Hsia TC, **Hsu WH**. Pigtail tube drainage in the treatment of spontaneous pneumothorax. *Am J Emerg Med* 2003; 21:241-244.
22. Yeh JJ, **Hsu WH**, Huang WT, Wang JJ, Ho ST, Kao A. Technetium-99m Tetrofosmin SPECT predicts chemotherapy response in small cell lung cancer. *Tumor Biol* 2003; 24: 151-155.
23. Liu FY, Shiao YC, Kao A, **Hsu WH**, Wang JJ, Tsai CH. Comparison of quantitative Tc-99m HMPAO and Ga-67 citrate lung scans in patients with active diffuse infiltrative lung disease. *Nucl Med Communi* 2003; 24:1243-1246.

24. Chiou JF, Liang JA, **Hsu WH**, Wang JJ, Ho ST, Kao A. Comparing the relationship of Taxol-based chemotherapy response with P-glycoprotein and lung resistance-related protein expression in non-small cell lung cancer. *Lung* 2003; 181:267-273.
25. Changlai SP, Tsai CH, Ding HJ, Huang WT, Kao A, **Hsu WH**. Using Technetium-99m Methoxyisobutylisonitrile lung single-photon-emission computed tomography to predict response to chemotherapy and compare with P-glycoprotein expression in patients with untreated small cell lung cancer. *Med Oncology* 2003; 20:247-253.
26. Chang CS, Liu FY, **Hsu WH**, Liu CC, Lee CC, Kao A. Usefulness of quantitative Tc-99m HMPAO and Ga-67 citrate lung scans in detecting pulmonary vascular endothelium damage and lung inflammation in patients with systemic lupus erythematosus : a preliminary report. *Rheumatol Int* 2003; 23:178-181.
27. Yu YH, **Hsu WH***, Hsu NY, Lin TY, Hsia TC, Sun SS, Kao CH. The use of Dual phase Tl-201 SPECT for Differentiating pulmonary malignancies from benign lesions. *Jpn J Clin Oncol* 2004;34(8):445-451. (Corresponding author*)
28. Tu CY, **Hsu WH***, Hsia TC, Chen HJ, Tsai KD, Hung CW, Shih CM. Pleural effusions in febrile patients admitted to medical ICU : chest US study. *Chest* 2004;126:1274-80. (Corresponding author*)
29. Tu CY, **Hsu WH***, Hsia TC, Chen HJ, Chiu KL, Hang LW, Shih CM. The changing pathogens of complicated parapneumonic effusions or empyemas in a medical intensive care unit. *Intensive Care Med* 2006;32:570-576. (Corresponding author*).
30. Chen W, Shih CS, Wang YT, Tseng GC, **Hsu WH***. Angiosarcoma with pulmonary metastasis presenting with spontaneous bilateral pneumothoraces in an elderly man. *J Formos Med Assoc* 2006;105(3):238-241 (Corresponding author*).
31. Chen SD, Chen W, **Hsu WH**, Yu YH, Shih CM. The role of pleural fluid C-reactive protein concentration in discriminating uncomplicated parapneumonic pleural effusions from complicated parapneumonic effusion and empyema. *Lung* 2006; 184:141-145.
32. Chen HJ, **Hsu WH***, Tu CY, Yu YH, Chiu KL, Hang LW, Hsia TC, Shih CM. Sonographic septation in lymphocyte-rich exudative pleural effusions: a useful diagnostic predictor for tuberculosis. *J Ultrasound Med* 2006; 25:857-863. (Corresponding author*).
33. Chen CH, Chen W, **Hsu WH***. Pigtail catheter drainage for secondary spontaneous pneumothorax. *Q J Med* 2006;99:489-491. (Corresponding author*).
34. Tsai WK, Chen W, Lee JC, Cheng WE, Chen CH, **Hsu WH**, Chih CM. Pigtail catheters vs large-bore chest tubes for management of secondary spontaneous pneumothoraces in adults. *Am J Emerg Med* 2006;24:795-800.

35. **Hsu WH***, Yu YH, Tu CY, Hsu JY, Chen CY, Chen CL, Kwan PC. Color doppler ultrasound “ pulmonary artery vessel signal “ : a sign for predicting the benign lesions. *Ultrasound Med Biol* 2007;33:379-388. (Corresponding author*).
36. Chen W, **Hsu WH***. Multiple nodular pulmonary arteriovenous malformation. *Am Fam Physician* 2009; 80:75-76. (Corresponding author*).
37. Chen CH, **Hsu WH**, Chen HJ, Chen W, Shih CM, Hsia TC, Tu CY. Different bacteriology and prognosis of thoracic empyemas between patients with chronic and end-stage renal diseases. *Chest* 2007; 132:532-539.
38. Lin YC, Tu CY, Chen W, Tsai YL, Chen HJ, **Hsu WH**, Shih CM. An urgent problem of aerobic gram-negative pathogen infection in complicated parapneumonic effusions or empyemas. *Intern Med.* 2007;46(15):1173-8.
39. Yu YH, **Hsu WH***, Hsu NY, Chang YC, Tsai PP, Tseng GC, Sun SS, Chiu YF. Comparison of Two-phase Tl-201 SPECT with Chest CT to Differentiate Thoracic Malignancies from Benign Lesions. *QJ Nucl Med Mol Imaging* 2008; 52:66-73. (Corresponding author*).
40. Chen HJ, Tu CY, Ling SJ, Chen W, Chiu KL, Hsia TC, Shih CM, **Hsu WH***. Sonographic appearances in transudative pleural effusions: not always an anechoic pattern. *Ultrasound Med Biol* 2008; 34:362-369. (Corresponding author*).
41. **Hsu WH***, Tu CY, Chen HJ, Li CT, Yu YH, Hang LW, Chiu KL, Hsia TC. Dynamic flow US, color Doppler US and power Doppler US in the assessment of vessel signals of thoracic lesions abutting pulsatile organs. *Acad Radiol* 2008; 15:350-360 (Corresponding author*).
42. Yu YH, Chang RF, Shen WC, Lin DK, Sun SS, Tu CY, Chiu KL, **Hsu WH***. Computer-aided diagnosis in two-phase TL201-SPECT of thoracic lesions. *Nuklearmedizin* 2008; 47:48-55. (Corresponding author*).
43. Chen W, Chen CH, Chiu KL, Lai HC, Liao KF, Ho YJ, **Hsu WH***. Clinical outcome and prognostic factors of patients with pyogenic liver abscess requiring intensive care. *Crit Care Med* 2008;36:1184-1188. (Corresponding author*).
44. Chen HJ, Yu YH, Tu CY, Chen CH, Hsia TC, Tsai KD, Shih CM, **Hsu WH***. Ultrasound in peripheral pulmonary air-fluid lesions : color Doppler imaging as an aid in differentiating empyema and abscess. *Chest* 2009;135:1426-1432. (Corresponding author*)
45. Chen CH, Chen W, Chen HJ, Yu YH, Lin YC, Tu CY, **Hsu WH**. Transthoracic ultrasonography in predicting the outcome of small-bore catheter drainage in empyemas or complicated parapneumonic effusions. *Ultrasound Med Biol.* 2009;35:1468-74.

46. Liang SJ, Tu CY, Chen HJ, Chen CH, Chen W, Shih CM, **Hsu WH**. Application of ultrasound-guided pigtail catheter for drainage of pleural effusions in the ICU. *Intensive Care Med* 2009;35(2):350-4.
47. Lin YC, Tu CY, Liang SJ, Chen HJ, Chen W, Hsia TC, Shih CM, **Hsu WH**. Pigtail catheter for the management of pneumothorax in mechanically ventilated patients. *Am J Emerg Med* 2010;28(4):466-71.
48. Liu YH, Lin YC, Liang SJ, Tu CY, Chen CH, Chen HJ, Chen W, Shih CM, **Hsu WH**. Ultrasound-guided pigtail catheters for drainage of various pleural diseases. *Am J Emerg Med* 2010;28:915-21.
49. Jan JC, **Hsu WH***, Liu SA, Wong YK, Poon CK, Jiang RS, Jan JS, Chen IF. Prognostic factors in patients with buccal squamous cell carcinoma : 10-year experience. *J Oral Maxillofac Surg* 2011;69:396-404. (Corresponding author*)
50. Yu YH, Liao CC, **Hsu WH**, Chen HJ, Liao WC, Muo CH, Sung FC, Chen CY. Increased lung cancer risk among patients with pulmonary tuberculosis : a population cohort study. *J Thorac Oncol* 2011;6: 32–37.
51. Yen CC, Shen CJ, **Hsu WH**, Chang YH, Lin HT, Chen HL, Chen CM. Lactoferrin: an iron-binding antimicrobial protein against *Escherichia coli* infection. *Biometals* 2011;24: 585-94.
52. Ko YC, **Hsu WH**, Chung* JG, Dai MP, Wu WP. Proteomic analysis of CD4+ T-lymphocytes in patients with asthma between typical therapy (controlled) and no typical therapy (uncontrolled) level. *Human & Experimental Toxicology* 2011 Jul;30(7) : 541-549.
53. Chen CH, Shih CM, OChou JW, Liu YH, Hang LW, Hsia TC, **Hsu WH**, Tu CY*. Outcome predictors of cirrhotic patients with spontaneous bacterial empyema. *Liver International* 2011 Mar;31(3) : 417-424.
54. Yen CC, La YW, Chen HL, Lai CW, Lin CY, Chen W, Kuan YP, **Hsu WH**, Chen CM*. Aerosolized Human Extracellular Superoxide Dismutase Prevents Hyperoxia-Induced Lung Injury. *PLoS One* 2011 Oct;6(10) : 1-9.
55. Chen JY, Chen HL, Wu SH, Tsai TC, Lin MF, Yen CC, **Hsu WH**, Chen W, Chen CM. Application of high-frequency ultrasound for the detection of surgical anatomy in the rodent abdomen. *Vet J* 2012 Feb;191(2):246-52.
56. Lin YC, Liang SJ, Liu YH, **Hsu WH**, Shih CM, Sung FC, Chen W. Tuberculosis as a risk factor for systemic lupus erythematosus: results of a nationwide study in Taiwan. *Rheumatol Int* 2012 Jun;32(6):1669-73.

57. Chiu CF, Lin YY, **Hsu WH**, Chen CY, Yeh JJ*, Kao CH*. Shorter-time dual-phase FDG PET/CT in characterizing solid or ground-glass nodules based on surgical results. *Clinical Imaging* 2012;36 : 509-514.
58. Lin YN*, Chang SH, Chen CY, **Hsu WH**. Adult unilateral pulmonary lucency. *Internal Medicine* 2012 Dec;51(23) : 3305-3306.
59. Yu YH, Kuo HP, Hsieh HH, Li JW, **Hsu WH**, Chen SJ, Su MH, Liu SH, Cheng YC, Chen CY*, Kao MC*. Ganoderma tsugae Induces S Phase Arrest and Apoptosis in Doxorubicin-Resistant Lung Adenocarcinoma H23/0.3 Cells via Modulation of the PI3K/Akt Signaling Pathway. *Evidence-based Complementary and Alternative Medicine* 2012 Dec;2012(371286) : 1-13.
60. Yu YH, Chen HA, Chen PS, Cheng YJ, **Hsu WH**, Chang YW, Chen YH, Jan Y, Hsiao M, Chang TY, Liu YH, Jeng YM, Wu CH, Huang MT, Su YH, Hung MC, Chien MH, Chen CY, Kuo ML, Su JL*. MiR-520h-mediated FOXC2 regulation is critical for inhibition of lung cancer progression by resveratrol. *Oncogene* 2013 Jan 24;32(4):431-43.
61. Wu SH, Horng MH, Lin KH, **Hsu WH***. Spontaneous Recovery of Ventilator-Associated Pneumothorax. *Respiration* 2013;85(5) : 367-374. (Corresponding author*)
62. Liu YM, Cheng YJ, Li YL, Liu CE, **Hsu WH***. Antituberculosis treatment and hepatotoxicity in patients with chronic viral hepatitis. *Lung* 2013(192) : 205-210. (Corresponding author*)
63. Chen HJ, Liao WC, Liang SJ, Li CH, Tu CY, **Wu-Huei Hsu WH***. Diagnostic Impact of Color Doppler Ultrasound-Guided Core Biopsy on Fine Needle Aspiration of Anterior Mediastinal Masses. *Ultrasound Med Biol* 2014;12:2768-76 (Corresponding author*)