

Curriculum Vitae

Name: HON-YI SHI

Title: Professor of Kaohsiung Medical University, Kaohsiung City, Taiwan

Education (Graduation year)

09/2001-05/2005 Doctor of Public Health in *Health Systems Management*
Tulane University, LA, U.S.A.

Experience:

08/2013-PRESENT Professor
08/2010-07/2013 Associate Professor
08/2006-07/2010 Assistant Professor
Graduate Institute of Healthcare Administration,
Kaohsiung Medical University

Editorial Advisory Board Member:

08/2007-Present Journal of Healthcare Management (in Chinese)
08/2008-Present Journal of Health Management (in Chinese)
01/2010-12/2013 World Journal of Gastrointestinal Surgery (SCI)

Majors:

- (1) Health Outcomes Assessment,
- (2) Financial Management,
- (3) Epidemiology,
- (4) Econometrics

Published Papers (*corresponding author) JCR 2015

1. Chiu HC, **Shi HY**, Mau LW, Wang GJ.* The effects of a prospective case payment system on hospital charges for total hip arthroplasty in Taiwan. *J Arthroplasty* 2007, 22(1): 65-71. (SCI)
2. **Shi HY**, Chiu HC, Chang JK, Wang JW, Culbertson R., Khan M.* Evaluation and prediction of health-related quality of life for total hip replacement among Chinese in Taiwan. *Int. Orthop* 2008, 32(1): 27-32. (SCI)
3. **Shi HY**, Lee HH, Chiu CC, Chiu HC, Uen YH, Lee KT.* Responsiveness and minimal clinically important differences after cholecystectomy: GIQLI versus SF-36. *J Gastrointest Surg* 2008, 12: 1275-1282. (SCI)
4. Tien WC, Kao HY, Tu YK, Chiu HC, Lee KT, **Shi HY**.* A Population-based study of prevalence and operational hospitalization charges in total hip and knee replacement. *Int. Orthop* 2009, 33(4): 949-954. (SCI, IF=2.387, ORTHOPEDICS 19/74)
5. Lee KT, Lu YW, Wang SN, Chen HY, Chuang SC, Chang WT, **Shi HY**, Ker CG, Chiu HC.* The effect of preoperative transarterial chemoembolization of resectable hepatocellular carcinoma on clinical and economic outcomes. *J Surg Oncol* 2009, 99(6): 343-350. (SCI, IF=3.151, SURGERY 26/199)
6. **Shi HY**, Lee KT, Lee HH, Uen YH, Tsai JT, Chiu CC.* Post-cholecystectomy quality of life: a prospective multicenter cohort study of its associations with preoperative functional status and patient demographics. *J Gastrointest Surg* 2009, 13(9): 1651-1658. (SCI, IF=2.807, SURGERY 42/199)
7. **Shi HY**, Mau LW, Chang JK, Wang JW, Chiu HC.* Responsiveness of the Harris Hip Score and the SF-36: five years after total hip arthroplasty. *Qual Life Res* 2009, 18: 1053-1060. (SSCI, IF=2.429, PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 50/172)
8. **Shi HY**, Khan M., Culbertson R., Chang JK, Wang JW, Chiu HC.* Health-related quality of life after total hip replacement: a Taiwan study. *Int. Orthop* 2009, 33(5): 1217-1222. (SCI, IF=2.387, ORTHOPEDICS 19/74)
9. **Shi HY**, Lee KT, Lee HH, Uen YH, Na HL, Chiu HC, Chao FT, Chiu CC.* The minimal clinically important difference in the gastrointestinal quality of life index after cholecystectomy. *Surg Endosc* 2009, 23: 2708-2712. (SCI, IF=3.540, SURGERY 17/199)
10. Huang HL, Chen FL, Hsu CC, Yen YY, Chen T, Huang CM, **Shi HY**, Hu CY, Lee CH.* A multilevel-based study of school policy for tobacco control in relation to cigarette smoking among children in elementary schools: gender differences. *Health Education Res* 2010, 25(3): 451-463. (SSCI, IF=1.667, EDUCATION AND EDUCATIONAL RESEARCH 36/230)
11. Lin SY, Neoh CA, Huan YT, Wang KY, Ng HF, **Shi HY**.* Educational program for myofascial pain syndrome. *J Altern Complement Med* 2010, 16(6): 633-640. (SCI, IF=1.395, INTEGRATIVE AND COMPLEMENTARY MEDICINE 11/24)
12. Wei MH, Lin YL, **Shi HY**, Chiu HC.* Effects of provider patient volume and comorbidity on clinical and economic outcomes for total knee arthroplasty: a population-based study. *J Arthroplasty* 2010, 25(6): 906-912. (SCI, IF=2.515, ORTHOPEDICS 15/74)
13. Hsu CE, Lee KT, Chang CS, Chiu HC, Chao FT, **Shi HY**.* Cholecystectomy prevalence and treatment cost: an 8-year study in Taiwan. *Surg Endosc* 2010, 24(12): 3127-3133. (SCI, IF=3.540, SURGERY 17/199)

14. **Shi HY**, Chang JK, Wong CY, Wang JW, Tu YK, Chiu HC, Lee KT.* Responsiveness and minimal clinically important differences after revision total hip arthroplasty. *BMC Musculoskel Dis* 2010, 11(1): 261. (SCI, IF=1.684, ORTHOPEDICS 30/74)
15. **Shi HY**, Lee KT, Uen YH, Chiu CC, Lee HH.* Changing approaches to cholecystectomy in elderly patients: a 10-year retrospective study in Taiwan. *World J Surg* 2010, 34(12): 2922-2931. (SCI, IF=1.583, SURGERY 10/24)
16. **Shi HY**, Lee KT, Lee HH, Uen YH, Chiu CC.* Response shift effect on gastrointestinal quality of life index (GIQLI) after laparoscopic cholecystectomy. *Qual Life Res* 2011, 20(3): 335-341. (SSCI, IF=2.429, PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 50/172)
17. **Shi HY**, Lee HH, Tsai MH, Chiu CC, Uen YH, Lee KT.* Predicting long-term outcomes of laparoscopic cholecystectomy: A prospective piecewise linear regression analysis. *Surg Endosc* 2011, 25(7): 2132-2140. (SCI, IF=3.540, SURGERY 17/199)
18. Lin SY, Huan YT, Neoh CA, Wang KY, Jean YH, **Shi HY**.* Dry needling for myofascial pain: prognostic factors. *J Altern Complement Med* 2011, 17(8): 1-8. (SCI, IF=1.395, INTEGRATIVE AND COMPLEMENTARY MEDICINE 11/24)
19. **Shi HY**, Uen YH, Yen LC, Culbertson R, Hui JC, Hou MF.* Two-year quality of life after breast cancer surgery: a comparison of three surgical procedures. *Eur J Surg Onc* 2011, 37(8): 695-702. (SCI, IF=2.940, SURGERY 37/199)
20. Hsueh LN, **Shi HY**, Wang TF, Chang CY, Lee KT.* Health-related quality of life in patients undergoing cholecystectomy. *Kaohsiung J Med Sci* 2011, 27(7): 280-288. (SCI, IF=1.000, MEDICINE, RESEARCH & EXPERIMENTAL 104/124)
21. Chen CF, Ho WH, Chou HY, Yang SM, Chen IT, **Shi HY**.* Long-term prediction of emergency department revenue and visitor volume using autoregressive integrated moving average model. *Comput Math Methods Med* 2011; 2011: 395690. (SCI, IF=0.887, MATHEMATICAL & COMPUTATIONAL BIOLOGY 42/56)
22. Hou YY, Huang HL, **Shi HY**.* Prevalence and hospital resource utilization in tympanoplasty and revision tympanoplasty: a population-based comparative study. *Otol Neurotol* 2012, 33(4): 400-405. (SCI, IF=1.953, OTORHINOLARYNGOLOGY 13/43)
23. Chiu CC, Wang JJ, Tsai TC, Chu CC, **Shi HY**.* The relationship between volume and outcome after bariatric surgery: a nationwide study in Taiwan. *Obes Surg* 2012, 22(7): 1008-1015. (SCI, IF=3.346, SURGERY 23/199)
24. Lee KT, Wang SN, Su RW, Chen HY, **Shi HY**, Ker CG, Chiu HC.* Is wider surgical margin justified for better clinical outcomes in patients with resectable hepatocellular carcinoma? *J Formos Med Assoc* 2012; 111(3): 160-170. (SCI, IF=2.018, MEDICINE, GENERAL & INTERNAL 44/151)
25. **Shi HY**, Lee KT, Lee HH, Ho WH, Sun DP, Wang JJ, Chiu CC.* Comparison of artificial neural network and logistic regression models for predicting in-hospital survival after hepatocellular carcinoma surgery. *PLoS One* 2012; 7(4): e35781. (SCI, IF=3.057, MULTIDISCIPLINARY SCIENCES 11/63)

26. **Shi HY**, Tsai JT, Chen YM, Culbertson R, Chang HT, Hou MF.* Predicting two-year quality of life after breast cancer surgery using artificial neural network and linear regression models. *Breast Cancer Res Treat* 2012; 135(1): 221-229. (SCI, IF=4.085, ONCOLOGY 57/213)
27. **Shi HY**, Lee KT, Wang JJ, Sun DP, Lee HH,* Chiu CC.* Artificial neural network model for predicting 5-year mortality after surgery for hepatocellular carcinoma: a nationwide study. *J Gastrointest Surg* 2012; 16(11): 2126-2131 (SCI, IF=2.807, SURGERY 42/199)
28. **Shi HY**, Lee HH, Tsai JT, Ho WH, Lee KT,* Chiu CC.* Comparisons of Prediction Models of Quality of Life after Laparoscopic Cholecystectomy: A Longitudinal Prospective Study. *PLoS One* 2012; 7(12): e51285 (SCI, IF=3.057, MULTIDISCIPLINARY SCIENCES 11/63)
29. Huang HL, Hsu CC, Peng WD, Yen YY, Chen T, Hu CY, **Shi HY**, Lee CH, Chen FL, Lin PL.* Analysis of influential factors associated with the smoking behavior of aboriginal schoolchildren in remote Taiwanese mountainous areas. *J Sch Health* 2012; 82(7): 318-327. (SSCI, IF=1.547, EDUCATION, SCIENTIFIC DISCIPLINES 15/40)
30. **Shi HY**, Hwang SL, Lee KT,* Lin CL.* Temporal trends and volume-outcome associations after traumatic brain injury: a 12-year study in Taiwan. *J Neurosurg* 2013; 118(4): 732-738. (SCI, IF=3.443, SURGERY 22/199)
31. Hung TC, Lai YF, Tseng CW, Hong YH, **Shi HY**.* Trend analysis of hospital resource utilization for prolonged mechanical ventilation patients in Taiwan: a population-based study. *Resp Care* 2013; 58(4): 669-675. (SCI, IF=1.922, RESPIRATORY SYSTEM 38/58)
32. **Shi HY**, Hwang SL, Lee KT,* Lin CL.* In-hospital mortality after traumatic brain injury surgery: a nationwide population-based comparison of mortality predictors used in artificial neural network and logistic regression models. *J Neurosurg* 2013; 118(4): 746-752. (SCI, IF=3.443, SURGERY 22/199)
33. Tsai JT, Hou MF, Chen YM, Chen YJ, **Shi HY**.* Predicting quality of life after breast cancer surgery using ANN-based and MR models. *Support Care Cancer* 2013; 21(5): 1341-1350. (SCI, IF=2.535, REHABILITATION 8/65)
34. **Shi HY**, Lee KT, Chiu CC, Lee HH.* The volume-outcome relationship in laparoscopic cholecystectomy: a population-based study using propensity score matching. *Surg Endosc* 2013; 27(9): 3139-3145. (SCI, IF=3.540, SURGERY 17/199)
35. **Shi HY**, Chang HT, Culbertson R, Chen YJ, Liao YC, Hou MF.* Breast cancer surgery volume-outcome associations: hierarchical linear regression and propensity score matching analysis in a nationwide Taiwan population. *Surg Oncol* 2013; 22(3): 178-183 (SCI, IF=3.514, SURGERY 19/199)
36. Huang YT, Neoh CA, Lin SY, **Shi HY**.* Comparisons of prediction models of myofascial pain control after dry needling: a prospective study. *Evid-Based Compl Alt* 2013; 2013: 478202 (SCI, IF=1.931, INTEGRATIVE & COMPLEMENTARY MEDICINE 7/24)
37. **Shi HY**, Chang JK, Chiu HC.* Volume-outcome associations in total hip replacement: hierarchical linear regression and propensity score matching analysis in a nationwide Taiwan population. *J Arthroplasty* 2013; 28(10): 1834-1838 (SCI, IF=2.515, ORTHOPEDICS 15/74)
38. Chen CJ, **Shi HY**, Lee KT, Huang TY.* In-hospital mortality prediction in mechanically ventilated patients: a nationwide Taiwan study. *Am J Crit Care* 2013; 22(6): 506-513 (SCI, IF=2.053, NURSING 7/116)

39. **Shi HY**, Wang SN, Lee KT.* Temporal trends and volume-outcome associations in periampullary cancer patients: a propensity score-adjusted nationwide population-based study. *Am J Surg* 2014; 207(4): 512-519 (SCI, IF=2.403, SURGERY 57/199)
40. **Shi HY**, Wang SN, Chuang SC, Lee KT.* Preoperative transarterial chemoembolization and resection for hepatocellular carcinoma: a nationwide Taiwan database analysis of long-term outcome predictors. *J Surg Oncol* 2014; 109(5): 487-493 (SCI, IF=3.514, SURGERY 19/199)
41. Chen CM, Su YY, Lan TY, Mullan J, **Shi HY**, Chiu HC.* Health-related services use and the onset of functional disability: 10 year follow-up study. *Arch Gerontol Geriatr* 2014; 58(3): 356-363. (SCI, IF=1.971, GERIATRICS & GERONTOLOGY 30/49)
42. Lu CC, Chiu CC, Wang JJ, **Shi HY**.* Volume-Outcome Associations after Surgery for Hepatocellular Carcinoma: A Nationwide Taiwan Study. *J Gastrointest Surg* 2014; 18(6): 1138-1145. (SCI, IF=2.807, SURGERY 42/199)
43. **Shi HY**, Hwang SL, Lee IC, Chen IT, Lee KT,* Lin CL.* Trends and Outcome Predictors after Traumatic Brain Injury Surgery: A Nationwide Population-Based Study in Taiwan. *J Neurosurg* 2014; 121(6): 1323-1330. (SCI, IF=3.443, SURGERY 22/199)
44. Li TY, Hsieh JS, Lee KT, Hou MF, **Shi HY**.* Cost Trend Analysis of Initial Cancer Treatment in Taiwan. *PLoS One* 2014; 9(10): e108432 (SCI, IF=3.057, MULTIDISCIPLINARY SCIENCES 11/63)
45. Chen CF, Lin HL, Chou HY, Hsu WC, **Shi HY**.* Acute pesticide poisoning outcomes: a nationwide study in Taiwan. *Emerg Med J* 2015; 32(3): 226-231. (SCI, IF=1.836, EMERGENCY MEDICINE 9/24)
46. Chen WH, Tang PH, **Shi HY**.* Difference in short-term and long-term outcomes of total joint replacement between general and neuraxial anesthesia: a nationwide Taiwan population-based study. *Can J Anesth* 2015; 62(4): 369-376. (SCI, IF=2.139, ANESTHESIOLOGY 13/31)
47. Lee MJ, Chen CJ, Lee KT, **Shi HY**.* Trend Analysis and Outcome Prediction in Mechanically Ventilated Patients: A Nationwide Population-Based Study in Taiwan. *PLoS One* 2015; 10(4): e0122618. (SCI, IF=3.057, MULTIDISCIPLINARY SCIENCES 11/63)
48. Yang LC, **Shi HY**, Huang JW, Lee KT.* Biliary stenting for unresectable cholangiocarcinoma: A population-based study of long-term outcomes and hospital costs in Taiwan. *Kaohsiung J Med Sci* 2015; 31(7): 370-376. (SCI, IF=1.000, MEDICINE, RESEARCH & EXPERIMENTAL 104/124)
49. Chiu CC, Wang JJ, Chen YS, Chen JJ, Tsai TC, Lai CC, Sun DP, **Shi HY**.* Trends and predictors of outcomes after surgery for hepatocellular carcinoma: a nationwide population-based study in Taiwan. *EJSO* 2015; 41: 1170-1178. (SCI, IF=2.940, SURGERY 37/199)
50. Kao HY, Wu WH, Liang TY, Lee KT, Hou MF, **Shi HY**.* Cloud-Based Service Information System for Evaluating Quality of Life after Breast Cancer Surgery. *PLoS One* 2015; 10(9): e0139252. (SCI, IF=3.057, MULTIDISCIPLINARY SCIENCES 11/63)
51. Lin SY, Huang HA, Lin SC, Huang YT, Wang KY, **Shi HY**.* The effect of an anaesthetic patient information video on perioperative anxiety: A prospective randomised study. *Eur J Anaesth* 2016; 33(2): 134-139. (SCI, IF=3.634, ANESTHESIOLOGY 6/31)

52. Liang TJ, Liu SI, Mok KT, **Shi HY**.* Associations of Volume and Thyroidectomy Outcomes: A Nationwide Study with Systematic Review and Meta-Analysis. *Otolaryngol Head Neck Surg* 2016; 155(1): 65-75. (SCI, IF=2.021, SURGERY 11/43)
53. Chen YC, Lee CT, Lin BJ, Chang YY, **Shi HY**.* Impact of pay-for-performance on mortality in diabetes patients in Taiwan: A population-based study. *Medicine (Baltimore)* 2016; 95(27): e4197. (SCI, IF=2.133, MEDICINE, GENERAL & INTERNAL 40/155)
54. Liu CL, Wu CK, **Shi HY**, Tai WC, Liang CM, Yang SC, Wu KL, Chiu YC, Chuah SK.* Medical expenses in treating acute esophageal variceal bleeding: A 15-year nationwide population-based cohort study. *Medicine (Baltimore)* 2016; 95(28): e4215. (SCI, IF=2.133, MEDICINE, GENERAL & INTERNAL 40/155)
55. Lee KT, Lin JJ, **Shi HY**.* Anxiety and depression are associated with long-term outcomes of hepatocellular carcinoma: a nationwide study of a Taiwan cohort. *World J Biol Psychiatry* 2016; 21:1-24. doi: 10.1080/15622975.2016.1273548. (SCI, IF=4.159, PSYCHIATRY 29/142)
56. Chang HT, **Shi HY**,* Wang BW, Yeh SC.* Breast Cancer Incidence and Predictors of Surgical Outcome: A Nationwide Longitudinal Study in Taiwan. *Clin Oncol* 2016 (Accepted). (SCI, IF=3.212, ONCOLOGY 87/213)
57. Huang SH, Loh JK, Tsai JT, Shi HY.* Predictive model for 5-year mortality after breast cancer surgery. *Chin J Cancer Res* 2016 Accepted (SCI, IF=2.201, ONCOLOGY 143/213)

Study Program:

Title of Project	Project period	Funding Agency	Role in Project	Funding (NT\$)
Hospital resource utilization, perceptions, outcomes, and cost effectiveness in cholecystectomy.	04/2007-03/2008	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Hospital resource utilization, perceptions and satisfaction, outcomes, and cost effectiveness in revision THR: a longitudinal study.	08/2007-07/2010	National Sciences Council	PI	2,536,000
Measuring outcomes and cost effectiveness for cholecystectomy patients using Piecewise Regression and Markov Model.	05/2008-04/2009	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Time series analysis of cholecystectomy.	05/2009-04/2010	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Hospital resource utilization, perceptions, outcomes, and cost effectiveness in hepatic cancer.	05/2010-04/2011	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
A hybrid model for trends and risk factors analysis of prevalence, mortality, hospital resource utilization, and volume-outcome relationship in hepatocellular carcinoma surgery patients: a population-based study.	05/2011-04/2012	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Forecasting of Medical Outcomes and Developing of Cloud Service Systems in Hepatocellular Carcinoma Surgery Patients: A Longitudinal Long-term Study.	05/2012-04/2013	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Hospital resource utilization, perceptions and satisfaction, outcomes, and cost effectiveness in breast cancer: a longitudinal study.	08/2010-07/2013	National Sciences Council	PI	4,200,000
Anxiety, depression, and quality of life in patients undergoing hepatocellular carcinoma surgery.	05/2013-04/2014	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Anxiety and depression, quality of life, hospital resource utilization and survival analysis in patients undergoing breast cancer surgery: A prospective long-term trend study.	08/2013-07/2014	Ministry of Science and Technology	PI	1,120,000

Study Program:

Title of Project	Project period	Funding Agency	Role in Project	Funding (NT\$)
Time Series Analysis of Hepatic Resection of Liver Cancer.	05/2014-04/2015	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Impact of Pay-for-Performance on Medical Resource Utilization of Diabetes: A Systematic Review and Meta Analysis.	01/2015-12/2015	National Sun Yat-sen University and Kaohsiung Medical University	PI	300,000
The Relationship between Volume-Outcomes in Hepatocellular Carcinoma Patients: A Systematic Review and Meta Analysis	05/2015-04/2016	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Effect of Pay-for-Performance Program on Total Costs of Diabetes: Interrupted Time Series Analysis	01/2015-12/2015	National Sun Yat-sen University and Kaohsiung Medical University	PI	300,000
Cost Utility Analysis after Colorectal Cancer	05/2016-04/2017	Chi-Mi Hospital and Kaohsiung Medical University	PI	500,000
Cost-Effectiveness Analysis of Post-acute care for stroke under Per Diem System: A Prospective and Meta-Analysis Study	08/2015-07/2017	Ministry of Science and Technology	PI	1,764,000