

Curriculum Vitae

CHIEN-HUNG LEE (李建宏), PhD, MS

ADDRESS

807 No. 100 Shih-Chuan 1st Road, Kaohsiung, Taiwan

Telephone: +886-7-3121101 Ext 2141 # 20

Fax: +886-7-3110811

E-mail: CnHung@kmu.edu.tw



EDUCATION

Ph.D. Graduate of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan (Epidemiology), 1995-2000

Post-doctor Fellow Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana, 2004-2005

CURRENT POSITION

Professor, 2009-date

Department of Public Health, College of Health Science, Kaohsiung Medical University, Kaohsiung, Taiwan

RESEARCH INTERESTS

Betel-quid substance addiction

Prevention and etiology of adolescent metabolic disorder

Cancer epidemiology

Intermediate analysis

Multilevel study

PROFESSIONAL EXPERIENCES

Members of National examiners of the Examination Yuan of the Republic of China, 2013-

Associate Editor of the Kaohsiung Journal of Medical Sciences (SCI Journal), 2014-

Project Reviewer of the National Science Council, 2011-

Project Reviewer of the Ministry of Science and Technology, 2013-

HONORS AND AWARDS

The Best Doctoral Research Award in Kaohsiung Medical University, 2000

Ministry of Science and Technology Special Talents Award, 2010-2017

Kaohsiung Medical University Outstanding Research Article Award, 2011-2017

Ad Hoc REVIEWR

International Journal of Cancer

Carcinogenesis
Cancer letter
BMC Cancer
Annals of the Rheumatic Diseases
Gene
Psychopharmacology
Journal of Public Health
Journal of Public Health Dentistry
Kaohsiung Journal of Medical Sciences

PUBLICATIONS

(I) Articles in Peer-Reviewed Journals (2013-2018):

2018

1. Huang MC, Lin KD, Chen HJ, Wu YJ, Chang CI, Shin SJ, Hung HC, **Lee CH**, Huang YF, Hsu CC. Validity of a short food frequency questionnaire assessing macronutrient and fiber intakes in patients of Han Chinese descent with type 2 diabetes. *Int J Environ Res Public Health* 2018 Jun 1;15(6). pii: E1142. doi: 10.3390/ijerph15061142.
2. Lin CC, Shih CT, **Lee CH**, Huang YL. Changes in trace elements during early stages of chronic kidney disease in type 2 diabetic patients. *Biol Trace Elem Res*. 2018 Mar 28. doi: 10.1007/s12011-018-1314-1. [Epub ahead of print]
3. Kung WJ, Shih CT, **Lee CH**, Lin CC*. The divalent elements changes in early stages of chronic kidney disease. *Biol Trace Elem Res*, 2017 Dec 28. doi: 10.1007/s12011-017-1228-3. [Epub ahead of print].
4. Pan HJ, **Lee CH**, Chang HT. Prevention of tamoxifen-related nonalcoholic fatty liver disease in breast cancer patients. *Clin Breast Cancer*. 2017 Nov 23. pii: S1526-8209(17)30357-9. doi: 10.1016/j.clbc.2017.11.010. [Epub ahead of print]
5. Huang HL*, Peng WD, Lin YC, **Lee CH**, Hu CY, Huang ST. Gender-specific factors associated with the suicidal ideation of children in Taiwan: A large-scale cross-sectional study. *Int J Psychol*. 2017 Jul 6. [Epub ahead of print]
6. Lin WT, Lin PC, Lee CY, Chen YL, Chan TF, Tsai S, Huang HL, Wu PW, Chin YT, Lin HY, **Lee CH***. Effects of insulin resistance on the association between the circulating retinol-binding protein 4 level and clustering of pediatric cardiometabolic risk factors. *Pediatr Diabetes*. 2018 Jun;19(4):611-621.
7. **Lee CH**, Ko AM, Yang FM, Hung CC, Warnakulasuriya S, Ibrahim OS, Zain RB, Ko YC*. Association of DSM-5 betel-quid use disorder with oral potentially malignant disorder in 6 betel-quid endemic Asian populations. *JAMA Psychiatry*. 2018 Mar 1;75(3):261-269.
8. Velmurugan BK, **Lee CH**, Chiang SL, Hua CH, Chen MC, Lin SH, Yeh KT, Ko YC*. PP2A deactivation is a common event in oral cancer and reactivation by FTY720 shows promising therapeutic potential. *J Cell Physiol*. 2018 Feb;233(2):1300-1311.

2017

9. Wang YK, Chuang YS, Wu TS, Lee KW, Wu CW, Wang HC, Kuo CT, **Lee CH**, Kuo WR, Chen CH, Wu DC, Wu IC*. Endoscopic screening for synchronous esophageal neoplasia among patients with incident head and neck cancer: Prevalence, risk factors, and outcomes. *Int J Cancer*. 2017 Nov 15;141(10):1987-1996.
10. Chung CM, **Lee CH**, Chen MK, Tsai MH, Ko YC*. Interaction between rare variants in NOTCH1 and betel quid chewing in oral squamous cell carcinoma. *Genet Test Mol Biomarkers*. 2017 Oct;21(10):608-612.
11. Osborne PG*, Ko YC, Wu MT, **Lee CH***. Intoxication and substance use disorder to Areca catechu nut containing betel quid: A review of epidemiological evidence, pharmacological basis and social factors influencing quitting strategies. *Drug Alcohol Depend*. 2017 Jul 29; 179:187-197.
12. Chung CM, **Lee CH**, Chen MK, Lee KW, Lan CE, Kwan AL, Tsai MH, Ko YC*. Combined genetic biomarkers and betel quid chewing for identifying high-risk group for oral cancer occurrence. *Cancer Prev Res (Phila)*. 2017 Jun;10(6):355-362.
13. Lin YC, Wang WC, Chen JH, Chen PH, **Lee CH**, Huang HL*. Significant caries and the interactive effects of maternal-related oral hygiene factors in urban preschool children. *J Public Health Dent*. 2017 Jun;77(3):188-196.
14. Li RN, Li CY, **Lee CH**, Peng CY, Wu MT*. Promoter methylation status of the tumor suppressor genes p16 and cadherin 1 in cervical intraepithelial. *Oncol Lett*. 2017 Apr;13:4397-4401.
15. Zen YH, Shih CT, Kung WJ, **Lee CH**, Lin CC*. Rubella immunity in pregnant native Taiwanese and immigrants from Asian countries. *Am J Trop Med Hyg*. 2017 Feb 8;96(2):411-414.
16. Chiu IM, Syue YJ, Kung CT, Cheng FJ, **Lee CH**, Lin YR, Li CJ*. The influence of resident seniority on supervised practice in the emergency department. *Medicine (Baltimore)*. 2017 Jan;96(4):e5987.

2016

17. Chang K, Chen CD, Shih CM, Lee TC, Wu MT, Wu DC, Chen YH, Hung CH, Wu MC, Huang CC, **Lee CH***, Ho CK*. Time-lagging interplay effect and excess risk of meteorological/mosquito parameters and petrochemical gas explosion on dengue incidence. *Sci Rep*. 2016 Oct 13;6:35028. doi: 10.1038/srep35028.
18. Lee CY, Lin WT, Tsai S, Hung YC, Wu PW, Yang YC, Chan TF, Huang HL, Weng YL, Chiu YW, Huang CT, **Lee CH***. Association of parental overweight and cardiometabolic diseases and pediatric adiposity and lifestyle factors with cardiovascular risk factor clustering in adolescents. *Nutrients*. 2016 Sep 13;8(9). pii: E567.
19. Tu HP, Chung CM, Ko MS, Lee SS, Lai HM, **Lee CH**, Huang CM, Liu CS, Ko YC*. Additive composite ABCG2, SLC2A9, and SLC22A12 scores of high-risk alleles with alcohol use modulate gout risk. *J Hum Genet*. 2016 Sep;61(9):803-10.
20. Chen YK, Tung CW, Lee JY, Hung YC, **Lee CH**, Chou SH, Lin HS, Wu MT, Wu IC*. Plasma matrix metalloproteinase 1 improves the detection and survival prediction of esophageal squamous cell carcinoma. *Sci Rep*. 2016 Jul 20;6:30057.
21. Pan HJ*, Chang HT, **Lee CH**. Association between tamoxifen treatment and the

- development of different stages of nonalcoholic fatty liver disease among breast cancer patients. *J Formos Med Assoc.* 2016 Jun;115(6):411-7.
22. Li CJ, Syue YJ, Kung CT, Hung SC, **Lee CH***, Wu KH. Seniority of emergency physician, patient disposition and outcome following disposition. *Am J Med Sci.* 2016 June;351(6):582-8.
 23. Li CJ, Syue YJ, Lin YR, Cheng HH, Cheng FJ, Tsai TC, Chen KF, **Lee CH***. Influence of CT utilisation on patient flow in the emergency department: a retrospective 1-year cohort study. *BMJ Open.* 2016 May 4;6(5):e010815.
 24. Lin WT, Chan TF, Huang HL, Lee CY, Tsai S, Wu PW, Yang YC, Wang TN, **Lee CH***. Fructose-rich beverage intake and central adiposity, uric acid, and pediatric insulin resistance. *J Pediatr.* 2016 Apr;171:90-96.e1.
 25. Huang TL, Chien CY, Tsai WL, Liao KC, Chou SY, Lin HC, Dean Luo S, Lee TF, **Lee CH**, Fang FM*. Long-term late toxicities and quality of life for survivors of nasopharyngeal carcinoma treated with intensity-modulated radiotherapy versus non-intensity-modulated radiotherapy. *Head Neck.* 2016 Apr;38 Suppl 1:E1026-32.
 26. Liu YF, Chiang SL, Lin CY, Chang JG, Chung CM, Ko AM, Lin YZ, **Lee CH**, Lee KW, Chen MK, Hua CH, Tsai MH, Chen YC, Ko YC*. Somatic mutations and genetic variants of NOTCH1 in head and neck squamous cell carcinoma occurrence and development. *Sci Rep.* 2016 Apr 1;6:24014.
 27. Velmurugan BK, Yeh KT, **Lee CH**, Lin SH, Chen MC, Chiang SL, Wang ZH, Hua CH, Tsai MH, Chang JG, Ko YC*. Acidic leucine-rich nuclear phosphoprotein-32A (ANP32A) association with lymph node metastasis predicts poor survival in oral squamous cell carcinoma patients. *Oncotarget.* 2016 Mar 8;7(10):10879-90.
 28. Li CJ, Syue YJ, Tsai TC, Wu KH, **Lee CH***, Lin YR*. The impact of emergency physician seniority on clinical efficiency, emergency department resource use, patient outcomes, and disposition accuracy. *Medicine (Baltimore).* 2016 Feb;95(6):e2706.

2015

29. Lee CP, Chiang SL, **Lee CH**, Tsai YS, Wang ZH, Hua CH, Chen YC, Tsai EM, Ko YC*. AURKA Phe31Ile polymorphism interacted with use of alcohol, betel quid and cigarettes at multiplicative risk of oral cancer occurrence. *Clin Oral Investig.* 2015 Nov;19(8):1825-32.
30. Chen CY, Hsu JS, Jaw TS, Kuo YT, Wu DC, **Lee CH**, Shih MC, Tsai TH, Kuo CH, Chen YT, Yang LH, Liu GC*. Lowering radiation dose during dedicated colorectal cancer MDCT: comparison of low tube voltage and sinogram-affirmed iterative reconstruction at 80 kVp versus blended dual-energy images in a population of patients with low body mass index. *Abdom Imaging.* 2015 Oct;40(7):2867-76.
31. Chan TF, Tung YC, Wang SH, **Lee CH**, Lin CL*, Lu PY*. Trends in the incidence of pre-eclampsia and eclampsia in Taiwan between 1998 and 2010. *Taiwan J Obstet Gynecol.* 2015 Jun;54(3):270-4.
32. Shen CJ, Wang SH, **Lee CH**, Chan TF*. Breastfeeding effects on visfatin levels in postpartum women. *Taiwan J Obstet Gynecol.* 2015 Jun;54(3):217-20.
33. Lin MY, Kuo MC, Hung CC, Wu WJ, Chen LT, Yu ML, Hsu CC, **Lee CH**, Chen HC, Hwang SJ*. Association of dialysis with the risks of cancers. *PLoS One.* 2015 Apr 13;10(4):e0122856.
34. Tsai TC, **Lee CH**, Cheng BC, Kung CT, Chen FC, Shen FC, Lee CJ, Chen YC*. Body mass index-

mortality relationship in severe hypoglycemic patients with type 2 diabetes. *Am J Med Sci*. 2015 Mar;349(3):192-8.

35. Hsu YJ, Peng WD, Chen JH, Lin YC, Chang CS, Chen T, Hu CY, Ho PS, Chen FL, **Lee CH**, Huang HL*. Evaluating the effect of a community-based lay health advisor training curriculum to address immigrant children's caries disparities. *Caries Res*, 2015 Jan; 49(2):147-56.
36. **Lee CH**, Peng CY, Li RN, Chen YC, Tsai HT, Hung YH, Chan TF, Huang HL, Lai TC, Wu MT*. Risk evaluation for the development of cervical intraepithelial neoplasia: Development and validation of risk-scoring schemes. *Int J Cancer*. 2015 Jan 15;136(2):340-9.

2014

37. Chen CY, Hsu JS, Jaw TS, Wu DC, Shih MC, **Lee CH**, Kuo CH, Chen YT, Lai ML, Liu GC*. Utility of the iodine overlay technique and virtual nonenhanced images for the preoperative T staging of colorectal cancer by dual-energy CT with tin filter technology. *PLoS One*. 2014 Dec 3;9(12):e113589.
38. Lee H, Hsu CC, Chen FL, Yen YY, Lin PL, Chiu YW, **Lee CH**, Peng WD, Chen T, Lu DL, Huang HL*. Area disparity in children's perceptions of access to tobacco and cigarette purchasing experiences in Taiwan. *J Sch Health*. 2014 August; 84(8): 507-15.
39. **Lee CH**, Chiang SL, Ko AM, Hua CH, Tsai MH, Warnakulasuriya S, Ibrahim SO, Sunarjo, Zain RB, Ling TY, Huang CH, Lane HY, Lin CC, Ko YC*. Betel-quid dependence domains and syndrome associated with betel-quid ingredients among chewers: an Asian multi-country evidence. *Addiction*. 2014 Jul;109(7): 1194-204.
40. Lin YL, Yen YY, Chen HS, Liu YC, Chang CS, Chen CM, Chen FL, Hsu CC, **Lee CH**, Hu CY, Huang HL*. Child dental fear in low income and non-low income families: a school-based survey study. *J Dent Sci*. 2014 June; 9(2):165-71.
41. Chan TF, Lin WT, Huang HL, Lee CY, Wu PW, Chiu YW, Huang CC, Tsai S, Lin CL*, **Lee CH***. Consumption of sugar-sweetened beverages is associated with components of the metabolic syndrome in adolescents. *Nutrients*. 2014 May;6: 2088-103.
42. Tu HP, Ko AM, Chiang SL, Lee SS, Lai HM, Huang CM, **Lee CH**, Kuo TM, Hsieh MJ, Ko YC*. Joint effects of alcohol consumption and ABCG2 Q141K on the chronic tophaceous gout risk. *J Rheumatol*. 2014 Apr;41(4):749-58.
43. Chan TF, Lin WT, Chen YL, Huang HL, Yang WZ, Lee CY, Chen MH, Wang TN, Huang MC, Chiu YW, Huang CC, Tsai S, Lin CL*, **Lee CH***. Elevated serum triglyceride and retinol-binding protein 4 levels associated with fructose-sweetened beverages in adolescents. *PLoS One*. 2014 Jan 27;9(1): e82004.
44. Chen CC, Chiou SJ, Ting CC, Lin YC, Hsu CC, Chen FL, **Lee CH**, Chen T, Lin YY, Chang CS, Huang HL. Immigrant-native differences in caries-related knowledge, attitude, and oral health behaviors: a cross-sectional study in Taiwan. *BMC Oral Health*. 2014 Jan 14;14:3.
45. Wang MH, **Lee CH**, Lai CY, Chueh KH, Yen CF, Yang MS*. Harmful alcohol use among Aboriginal people in southern Taiwan: the prevalence, correlates, and adverse drinking effects. *J Addict Nurs*. 2014 Jan-Mar;25(1):41-7.

2013

46. Chang WY, Huang A, Yang CY, **Lee CH**, Chen YC, Wu TY, Chen GS*. Computer-aided diagnosis of skin lesions using conventional digital photography: a reliability and feasibility study. *PLoS One*. 2013 Nov 4;8(11): e76212.
47. Chao YY, **Lee CH**, Chien TY, Shih YH, Lu YA, Kuo TH, Huang YL*. Effects of push/pull perfusion and ultrasonication on the extraction efficiencies of phthalate esters in sports drink samples using on-line hollow-fiber liquid-phase microextraction. *J Agric Food Chem*. 2013 Aug 28;61(34):8063-71.
48. Ko AM, Tu HP, Liu TT, Chang JG, Yuo CY, Chiang SL, Chang SJ, Liu YF, Ko AM, **Lee CH**, Lee CP, Chang CM, Tsai SF, Ko YC*. ALPK1 genetic regulation and risk in relation to gout. *Int J Epidemiol*. 2013 Apr;42(2):466-74.
49. Lin WT, Huang HL, Huang MC, Chan TF, Ciou SY, Lee CY, Chiu YW, Duh TH, Lin PL, Wang TN, Liu TY, **Lee CH***. Effects on uric acid, body mass index and blood pressure in adolescents of consuming beverages sweetened with high-fructose corn syrup. *Int J Obes (Lond)*. 2013 Apr;37(4):532-9.
50. Chiang SL, Lee CP, Chang JG, **Lee CH**, Yeh KT, Tsai YS, Chen MK, Chen CH, Ko YC*. Combined effects of differentiation factor 15 and substance use of alcohol, betel quid and cigarette on risk of head and neck cancer. *Head Neck Oncol*. 2013 Feb 27;5(3):23.
51. Lin MY, Chiu YW, **Lee CH**, Yu HY, Chen HC, Wu MT, Hwang SJ*. Factors associated with CKD in the elderly and nonelderly population. *Clin J Am Soc Nephrol*. 2013 Jan;8(1):33-40.