

DITIAN LI

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Education

Columbia University Medical Center(CUMC), New York, the United States

Master of Public Health, Major: Biostatistics, GPA:3.78/4.00

Sep.2017-now

Peking University Health Science Center(PUHSC), Beijing, China

Bachelor of Science, Major: Medical experiment science; Mathematics,

GPA: 3.65/4.0(2/36)

Aug. 2013-Jul.2017

Honors and Awards

Community Contribution Award, Sep.2015

Excellent Leader Award, Sep.2015

First prize scholarship, Sep.2016

Excellent Students Award, Sep.2016

Work and Professional Experience

Scientific Research Institute,Peking University Sixth Hospital, Beijing

Research Assistant

Apr.2015

- Input questionnaires and arranged the data

Vascular medicine department, Peking University Shougang Hospital, Beijing

Intern

Jul.2016

- Took part in patient rounds with clinical section director
- Learned using method of medical equipment, studied audio-visual material of interventional medicine

Neuroscience Research Institute, Peking University, Beijing

Research project of Diabetic Painful Neuropathy

Nov.2015-Aug.2016

- Used STZ(streptozocin) to make diabetic rat model, conducted mechanical and thermal hyperalgesia behavioral tests
- Injected inhibitor of Wnt pathway to the diabetic rats(and control group), then conducted mechanical and thermal hyperalgesia behavioral tests
- Executed rats and took material of DRG(Dorsal root ganglion)cells and spinal cord
- Used Western Blot technique to explore molecular changes
- Experimental significance: Explores the role of Wnt Pathway in the Diabetic Painful Neuropathy

Department of Pharmacology, School of Basic Medicine, PUHSC, Beijing

Research project of Tumor and Sleep Disorder

Jun.2016-Oct.2016

- Organized the data by Image pro-Plus and collected statistics

- Used Western Blot technique to explore molecular changes and used GelPro to process the results
- Experimental significance: This experiment is designed to explore the relationship of tumor and sleep disorders, and testify the efficacy of Ganoderma polysaccharide peptide (TCM) to inhibit tumor growth

Department of Epidemiology and Biostatistics, Capital Medical University

Jun.2016-Aug.2018

Research project of BMI changes to All-cause Mortality among the Elderly in Beijing

- Imported and cleaned the dataset
- Used cox regression model to build and select model in SPSS
- Wrote part of the article

Research project of a system review: Efficacy and Safety of Cattle Encephalon Glycoside and Ignotin Injection for Vascular Dementia

- Searched and collected RCT research about cattle encephalon glycoside and ignotin injection for vascular dementia in required database
- According to Cochrane handbook, assessed quality evaluation and data extraction
- Performed meta-analysis by RevMan 5.3
- Wrote part of the article

Research program of a cohort study: Analysis of risk factors of metabolic syndrome using a structural equation model

- Imported and cleaned the dataset
- Conducted exploratory factor analysis to identify latent variables and conducted confirmatory factor analysis to construct SEM
- Use path graph to build mathematic model and performed mediation analysis
- Wrote the article

Publications

1. Ma, Z., Li, D., Zhan, S., Sun, F., Xu, C., Wang, Y., & Yang, X. (2018). Analysis of risk factors of metabolic syndrome using a structural equation model: a cohort study. *Endocrine*, 1-10.
2. Wang, Y., Tang, Z., Guo, J., Tao, L., Liu, L., Li, H., Li, D., Guo, X., Yang, X. (2017). BMI and BMI Changes to All-cause Mortality among the Elderly in Beijing: a 20-year Cohort Study. *Biomedical and environmental sciences*, 30(2), 79-87.
3. Wang, Y., Xie, Y., Zhao, Z., Li, D., Yang, X. (2018). Efficacy and Safety of Cattle Encephalon Glycoside and Ignotin Injection for Vascular Dementia: a Systematic Review. *Chinese journal of integrative medicine on cardio-/cerebrovascular disease*, 16(6), 694-699.

Skills and Interests

Languages: Native Chinese speaker; fluent English; proficient Japanese (JLPT N1); French and German beginner.

Computer: SAS, R studio, Amos, SPSS, Stata, JAVA, PS, GelPro, Odyssey, Image pro-Plus, Prism, Cytoscape, ACCESS, Excel, Powerpoint, Word

Interests: Ballet (16 years), Piano (12 years), Guitar(1 year)