

# YIHAN FAN

1659 Briarcliff Rd NE, 30306

Atlanta, USA

470-838-0122

1410301524@pku.edu.cn

## **Education:**

08/2021 - 05/2023 MPH, Epidemiology, Emory University, Atlanta, USA

09/2014 - 07/2020 Bachelor of Medicine, Clinical Medicine, Peking University Health Science Center, Beijing, China

## **Research Experience**

05/2022- 05/2023 Graduate Research Assistant with Dr. Shuo Xiao, Environmental and Occupational Health Sciences Institute (EOHSI), Rutgers University, Piscataway, NJ.

Theme:

- Investigating ovarian disrupting effects of per- and polyfluoroalkyl substances: from a mouse model to NHANES cross-sectional analysis
- Associations between exposure to cadmium, lead, mercury, and mixtures and women's infertility and long-term amenorrhea

07/2020 - 07/2021 Graduate Research Assistant with Dr. Liya Zhou, Department of Gastroenterology, Peking University Third Hospital, Beijing, China.

Theme: The Phase III Clinical Trial of a New Drug.

- Made a brochure, recruited volunteers for clinical trials, and guided subjects to fill in the informed consent forms.
- Carried out 13 C-urea breath tests to them and tested their blood samples before gastroscopy.
- Assisted Professor Liya Zhou in conducting gastroscopy on subjects and collecting corresponding samples.
- Divided the subjects into cases and control groups, recorded microflora variations in subjects' stomachs, compared their differences, and evaluated the effectiveness of the new drug according to experimental results.

07/2019 - 07/2020 Undergraduate Research Assistant with Dr. Liya Zhou, Department of Gastroenterology, Peking University Third Hospital, Beijing, China

Theme: Review on Adenocarcinoma Risk in High-Grade Dysplasia and Low-grade Dysplasia Metaplasia

Thesis: Endoscopic grading of gastric atrophy on risk assessment of gastric neoplasia: A systematic review and meta-analysis

- Identified 19 relevant articles investigating the risk of gastric carcinoma (GC) in individuals with LGD or HGD after searching SPRINGER LINK, EMBASE, MEDLINE, and Web of Science for relevant articles published up to June 2019 through Note Express and Endnote.
- Assessed the study quality and evaluated the heterogeneity among studies by the Newcastle-Ottawa scale.
- Extracted data of author, year, country, patient, retrospective study, follow-up period, mean age, M/F, baseline lesions, HP infection (%), progression, and reference with Excel.
- Analyzed the risk of LGD/HGD progression to gastric cancer through meta-analysis by the Review Manager

07/2018 - 07/2019 Undergraduate Research Assistant with Dr. Liya Zhou, Department of Gastroenterology, Peking University Third Hospital, Beijing, China

Theme: Etiological Analysis of Acute Nonvariceal Upper Gastrointestinal Bleeding (ANVUGIB)

- Screened out 1161 ANVUGIB cases from 06/01/2008 to 05/31/2018.
- Collected clinical data to Epidemiology Data including age of onset, sex, admission time, length of stay, previous history, drug history, endoscopic diagnosis, HP infection, etc.
- Analyzed these data with etiological analysis through SPSS24.

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## Clinical Training and Intern:

07/2017 - 08/2017 Intern, Beijing Hai Dian District Center for Disease Control and Prevention, Beijing, China.

05/2018 - 07/2020 Intern, Peking University Third Hospital, Beijing, China.

07/2016 - 08/2016 Intern, Beijing Hai Dian Health Inspection Bureau, Beijing, China.

## Publications and Presentations:

1. Shiyu Xiao, **Yihan Fan**, Zhihao Yin, Liya Zhou, “**Endoscopic grading of gastric atrophy on risk assessment of gastric neoplasia: A systematic review and meta-analysis**”, Journal of Gastroenterology and Hepatology, ISSN: 0815-9319, Jul 2020, <https://doi.org/10.1111/jgh.15177>

2. Shiyu Xiao, **Yihan Fan**, Wenhui Xie, Liya Zhou, “**Timing of aspirin use among patients with colorectal cancer in relation to mortality: a systematic review and meta-analysis**”, JNCI Cancer Spectrum. Jul 2021, <https://doi.org/10.1093/jncics/pkab067>.

3. Maria McClam, Jihong Liu, **Yihan Fan**, Tingjie Zhan, Qiang Zhang, Dwayne E. Porter, Geoffrey I. Scott, and Shuo Xiao, “**Associations between exposure to single cadmium, lead, mercury and mixtures and women's infertility and long-term amenorrhea**”, Archives of Public Health. Aug 2023, DOI <https://doi.org/10.1186/s13690-023-01172-6>

4. **Yihan Fan**, Pawat Pattarawat, Qiang Zhang, and Shuo Xiao, NHANES epidemiological analysis of associations between exposure to per- and polyfluoroalkyl substances (PFAS) and long-term amenorrhea in women of reproductive age. Society of Toxicology (SOT) ToxExpo. Nashville, TN. March 19-23, 2023 (Poster).

5. Pawat Pattarawat, **Yihan Fan**, Tingjie Zhan, Sarahna Moyd, Jiyang Zhang, Eunhong Kim, Margrit Urbanek, Joanna Burdette, Qiang Zhang, Ji-Yong Julie Kim, Shuo Xiao, “Investigating ovarian disrupting effects of per- and polyfluoroalkyl substances: from a mouse model to NHANES cross-sectional analysis.” Under peer review

## Professional Affiliations:

Society of Toxicology (SOT) (2022 – present)

## Extracurricular Activities

03/2023 Participant, 2023 SOT 62nd Annual Meeting and ToxExpo

09/2020 Participant, 2020 Chinese Conference of Digestive Endoscopy

07/2019 Participant, 2019 Congress of Chinese Annual Symposium on Gastroenterology

12/2018 Volunteer, the 31st World AIDS Day

02/2017 - 03/2017 Assistant, Blood Donation, Red Cross Chapter in Peking University Health Science Center

## Skills

Proficiency in R and SAS

EpiData

GIS