

## Certificate of Biostatistics

December, 5<sup>th</sup>, 2019

To whom it may concern,

I verify that the statistical analysis of the article entitled **Systemic Review and Network Meta-Analysis: Prophylactic Antibiotic Therapy for Spontaneous Bacterial Peritonitis**, Invited Manuscript ID 02857486, was performed and reviewed by our team. As evidenced by our multiple meta-analysis publications list, mentioned below, we take full responsibility of the biostatistics of this paper.

1. Systematic review with meta-analysis: risk of new onset IBD with the use of anti-interleukin-17 agents. Yamada A, Wang J, Komaki Y, Komaki F, Micic D, Sakuraba A.
2. Risk of gastrointestinal cancers in patients with cystic fibrosis: a systematic review and meta-analysis. Yamada A, Komaki Y, Komaki F, Micic D, Zullo S, Sakuraba A.
3. Risk of Fractures in Inflammatory Bowel Diseases: A Systematic Review and Meta-Analysis. Komaki Y, Komaki F, Micic D, Ido A, Sakuraba A.
4. Efficacy of Pharmacologic Therapy for Eosinophilic Esophagitis: A Systematic Review and Network Meta-Analysis. Tomizawa Y, Melek J, Komaki Y, Kavitt RT, Sakuraba A.
5. Risk of Cancer Recurrence Among Individuals Exposed to Antitumor Necrosis Factor Therapy: A Systematic Review and Meta-Analysis of Observational Studies. Micic D, Komaki Y, Alavanja A, Rubin DT, Sakuraba A.
6. Risk of Colorectal Cancer in Chronic Kidney Disease: A Systematic Review and Meta-Analysis. Komaki Y, Komaki F, Micic D, Ido A, Sakuraba A.
7. Efficacy, safety and pharmacokinetics of biosimilars of anti-tumor necrosis factor- $\alpha$  agents in rheumatic diseases; A systematic review and meta-analysis. Komaki Y, Yamada A, Komaki F, Kudaravalli P, Micic D, Ido A, Sakuraba A.
8. Risk of colorectal cancer in chronic liver diseases: a systematic review and meta-analysis. Komaki Y, Komaki F, Micic D, Ido A, Sakuraba A.
9. Pharmacologic therapies for severe steroid refractory hospitalized ulcerative colitis: A network meta-analysis. Komaki Y, Komaki F, Micic D, Yamada A, Suzuki Y, Sakuraba A.
10. Outcome of pregnancy and neonatal complications with anti-tumor necrosis factor- $\alpha$  use in females with immune mediated diseases; a systematic review and meta-analysis. Komaki F, Komaki Y, Micic D, Ido A, Sakuraba A.
11. Efficacy and Safety of Tacrolimus Therapy for Active Ulcerative Colitis; A Systematic Review and Meta-analysis. Komaki Y, Komaki F, Ido A, Sakuraba A.

12. Efficacy and safety of medical therapy for low bone mineral density in patients with inflammatory bowel disease: a meta-analysis and systematic review. Melek J, Sakuraba A.

Sincerely,

A handwritten signature in black ink, appearing to read 'Atsushi Sakuraba', written in a cursive style.

Atsushi Sakuraba, MD, PhD  
Assistant Professor  
Director of Clinical Trial/IBD Research  
Section of Gastroenterology, Hepatology and Nutrition  
University of Chicago  
5841 S Maryland Ave, MC4076  
Chicago, IL 60637, USA  
Phone: 773-834-1370, Fax: 773-702-2182  
Email: [asakurab@medicine.bsd.uchicago.edu](mailto:asakurab@medicine.bsd.uchicago.edu)