



Yukiko Wagatsuma

Faculty of Medicine

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Theme

We continue to be interested in finding effective and appropriate options for interventions to control health and illness for the most vulnerable population in the world.

Keyword clinical trial, clinical research, global health, disease control

Highlight

Major Scientific Interests of the Group

Clinical trial and clinical epidemiology have been evolved in modern medicine. That helps to understand the conceptual gaps between structured experience of basic science and the more complex, open-ended problems arising for the care of patients. Based on the principals of clinical trials and the use of clinical epidemiology, we tried to provide the evidence towards improving the care of the patients.

Projects for Regular Students in Doctoral or Master's Programs

- 1) The members of our research group take challenges on the development and application of epidemiologic techniques and provide relevant evidences for diagnosis, treatment and prevention.
- 2) Biostatistics is applied statistics for medical and

biological research, and aims to develop, apply, advice on statistical methodology for study design and data analysis in the research.

Study Programs for Short Stay Students (one week – one trimester)

- 1) The Department provides the environment to learn the principles of clinical epidemiology through practical implementation of researches.
- 2) The Department also provides an environment to pursue research and education in biostatistics. The research in the department is categorized by methodology and practice.

Other Faculty Members

Professor Masahiko Gosho

Associate Professor Kazushi Maruo

Visiting Professor Steven Hawks

Applications and Prospects

- The scope of research has much diversified from clinical researches to population, nutrition, environmental and health systems research. The most challenging initiatives I am involving are the studies of public health importance such as the developmental origins of health and disease and climate change impact on health.

Literature, intellectual property, work

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- Nyamasege CK, Kimani-Murage EW, Wanjohi M, Kaindi D, Wagatsuma Y. Effect of maternal nutritional education and counselling on children's stunting prevalence in urban informal settlements in Nairobi, Kenya. *Public Health Nutr.* 2020 Jul 22;1-13. doi: 10.1017/S1368980020001962. PMID: 32693855.
- Ahmad SM, Raqib R, Huda MN, Alam MJ, Monirujjaman M, Akhter T, Wagatsuma Y, Qadri F, Zerofsky MS, Stephensen CB. High-Dose Neonatal Vitamin A Supplementation Transiently Decreases Thymic Function in Early Infancy. *J Nutr.* 2020 Jan 1;150(1):176-183. doi: 10.1093/jn/nxz193. PubMed PMID: 31504694.