

Research Center for Medical Sciences

Division of Molecular Epidemiology

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General Summary

Despite having the same disease diagnosis, some patients may be cured but some may not. This difference cannot be understood with experimental medicine. On the other hand, clinical practice might also not provide the answer. We combined molecular biology and epidemiology to create the Division of Molecular Epidemiology, to clarify the etiology of disease and to predict factors affecting survival.

Research Activities

The Jikei clinical research course

We held 20 seminars' about strategies for clinical studies for healthcare practitioners at The Jikei University. In 2015, small-group study courses targeting postgraduate students will be started from the principles of epidemiology and biostatistics by reading textbooks and by analyzing real clinical data with STATA software (StataCorp LP, College Station, TX, USA) and designing clinical studies. Our goal is for postgraduate students to develop the skills to construct hypotheses, design protocols, monitor trials, and analyze data.

Original studies

1. Randomized trial of vitamin D supplement
2. Elective class of Global Health
3. Randomized trial to prevent food allergy

Publications

Mitsuishi T, Hamatani S, Hirooka S, Fukasawa N, Aizawa D, Hara Y, Dobashi A, Goda K, Fukuda T, Saruta M, Urashima M, Ikegami M. Clinicopathological characteristics of duodenal epithelial neoplasms: Focus on tumors with a gastric mucin phenotype (pyloric gland-type tumors). *PLoS One*. 2017 Apr 4; **12**: e0174985

Ishimaru S, Yuza Y, Kaneko T¹, Urashima M (¹*Tokyo Metropolitan Children's Medical Center*). Effect of UGT2B17 deletion polymorphism on prognosis in pediatric cancer. *Pediatr Int*. 2017; **59**: 427-31.

Nakashima A, Ohkido I, Yokoyama K, Mafune A, Urashima M, Yokoo T. Associations Between Low Serum Testosterone and All-Cause Mortality and Infection-Related Hospitalization in Male Hemodialysis Patients: A Prospective Cohort Study. *Kidney Int Rep*. 2017; **2**: 1160-8.

Katagiri S, Negishi Y, Mizobuchi K, Urashima M, Nakano T, Hayashi T. ABCC6 Gene Analysis in 20 Japanese Patients with Angioid Streaks Revealing Four Frequent and Two Novel Variants and Pseudodominant Inheritance. *J Ophthalmol*. 2017; **2017**: 1079687. doi: 10.1155/2017/1079687. Epub 2017 Aug 20.

Jolliffe DA¹, Greenberg L¹, Hooper RL¹, Griffiths CJ¹, Camargo CA Jr², Kerley CP³, Jensen ME⁴, Mauger D⁵, Stelmach I⁶, Urashima M, Martineau AR¹ (¹*Queen Mary Univ*, ²*Harvard Med Sch*, ³*Dublin City Univ*, ⁴*Newcastle Univ*, ⁵*The Pennsylvania State Univ*, ⁶*Medical University of Lodz*). Vitamin D supplementation to prevent asthma exacerbations: a systematic review and meta-analysis of individual participant data. *Lancet Respir Med*. 2017; **5**: 881-90. Epub 2017 Oct 3.

Otori Y, Takahashi G, Urashima M, Kuwayama Y. Evaluating the Quality of Life of Glaucoma Patients Using the State-Trait Anxiety Inventory. *J Glaucoma*. 2017; **26**: 1025-9.
Hamada AM, Yamamoto I, Nakada Y, Kobayashi A, Koike Y, Miki J, Yamada H,

Tanno Y, Ohkido I, Tsuboi N, Yamamoto H, Urashima M, Yokoo T. Association Between GLCCI1 Promoter Polymorphism (Rs37972) and Post-Transplant Hypertension in Renal Transplant Recipients. *Kidney Blood Press Res*. 2017; **42**: 1155-63. Epub 2017 Dec 8.