



Hiromi Hamada

Faculty of Medicine

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Theme

- Maternal-Fetal Medicine

Keyword Clinical genetics in Obstetrics, Prenatal diagnosis and treatment, Drugs in pregnancy

Highlight

Major Scientific Interests of the Group

- 1) Genetic basis of maternal-fetal medicine
- 2) Prenatal diagnosis and treatment of fetal diseases
- 3) Clinical management of maternal complications during pregnancy
- 4) Reproductive and developmental toxicology in the drugs

Projects for Regular Students in Doctoral or Master's Programs

- 1) Gene–environment interaction analysis of perinatal complications
- 2) Investigation into genetic predisposition of postpartum hemorrhage and hypertensive disorders of pregnancy

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

- 1) Study program in prenatal diagnosis (indications, methods, genetic counseling, and ethical issues)
- 2) Attendance the biweekly maternal-fetal medicine meeting

Other Faculty Members

Associate Professor Mana Obata-Yasuoka

Assistant Professor Rena Ohara

Applications and Prospects

- We are researching into new approaches in obstetric theme to improve maternal and fetal health during pregnancy and puerperal period.

Literature, intellectual property, work

- Nishida K, Sairenchi T, Uchiyama K, Haruyama Y, Watanabe M, **Hamada H**, Satoh T, et al.: Poor uterine contractility and postpartum hemorrhage among low-risk women: A case-control study of a large-scale database from Japan. **Int J Gynaecol Obstet.**, *in press*.
- Itoh H, Ishii K, Shigeta N, Itakura A, **Hamada H**, Nagamatsu T, Ishida T, et al.: Efficacy and safety of controlled release dinoprostone vaginal delivery system (PROPESS) in Japanese pregnant women requiring cervical ripening: Results from a multicenter, randomized, double-blind, placebo-controlled phase III study. **J Obstet Gynaecol Res.**, 47(1): 216-225, 2021.
- Ikeda-Sakai Y, Saito Y, Obara T, Goto M, Sengoku T, Takahashi Y, **Hamada H**, et al.: Inadequate folic acid intake among women taking antiepileptic drugs during pregnancy in Japan: A cross-sectional study. **Sci Rep.**, 9(1): 13497, 2020.