

産婦人科学講座

○主な研究内容

- 1 婦人科癌の浸潤・転移機構の解析
- 2 婦人科癌の遺伝子解析と遺伝子診断
- 3 卵巣黄体機能の研究
- 4 排卵障害と代謝異常に関わる遺伝子多型の関わり
- 5 子宮内膜癌の癌化における細胞接着蛋白の役割
- 6 子宮頸ガンとヒトパピローマウイルスの研究
- 7 婦人科疾患の超微形態学的研究
- 8 子宮内膜症の分子生物学的検討
- 9 卵巣癌での薬剤耐性克服
- 10 バイスタンダー効果を応用した遺伝子治療の研究

○Pub Med 掲載論文 (2018 年)

1. Efficacy of liquid-based genetic diagnosis of endometrial cancer.

Matsuura M, Yamaguchi K, Tamate M, Satohisa S, Teramoto M, Iwasaki M, Sugita S, Hasegawa T, Koubo R, Takane K, Ikenoue T, Furukawa Y, Saito T.
Cancer Sci. 2018 Dec;109(12):4025-4032. doi: 10.1111/cas.13819. Epub 2018 Oct 26.
PMID: 30289582 Free PMC Article

2. Rare case of occult testosterone-producing ovarian tumor that was diagnosed by selective venous hormone sampling.

Kuno Y, Baba T, Kuroda T, Teramoto M, Hirokawa N, Endo T, Saito T.
Reprod Med Biol. 2018 Jun 21;17(4):504-508. doi: 10.1002/rmb2.12213. eCollection 2018 Oct.
PMID: 30377407 Free PMC Article

3. Pioglitazone is effective for multiple phenotypes of the Zucker fa/fa rat with polycystic ovary morphology and insulin resistance.

Morishita M, Endo T, Baba T, Kuno Y, Ikeda K, Kiya T, Honnma H, Saito T.
J Ovarian Res. 2018 Mar 27;11(1):24. doi: 10.1186/s13048-018-0395-y.
PMID: 29580285 Free PMC Article

4. Transabdominal cerclage (TAC) for patients with ultra-short uterine cervix after uterine cervix surgery and its impact on pregnancy.

Ishioka S, Kim M, Mizugaki Y, Kon S, Isoyama K, Mizuuchi M, Morishita M, Baba T, Sekiya T, Saito T.
J Obstet Gynaecol Res. 2018 Jan;44(1):61-66. doi: 10.1111/jog.13487. Epub 2017 Nov 9.
PMID: 29121417

5. Comparison of human papillomavirus genotyping and cytology triage, COMPACT Study: Design,

methods and baseline results in 14 642 women.

Aoyama-Kikawa S, Fujita H, Hanley SJB, Kasamo M, Kikuchi K, Torigoe T, Matsuno Y, Tamakoshi A, Sasaki T, Matsuura M, Kato Y, Dong P, Watari H, Saito T, Sengoku K, Sakuragi N. *Cancer Sci*. 2018 Jun;109(6):2003–2012. doi: 10.1111/cas.13608. Epub 2018 May 31. PMID: 29660849 Free PMC Article

6. Clonal analysis revealed functional heterogeneity in cancer stem-like cell phenotypes in uterine endometrioid adenocarcinoma.

Tabuchi Y, Hirohashi Y, Hashimoto S, Mariya T, Asano T, Ikeo K, Kuroda T, Mizuuchi M, Murai A, Uno S, Kawai N, Kubo T, Nakatsugawa M, Kanaseki T, Tsukahara T, Saito T, Torigoe T. *Exp Mol Pathol*. 2018 Nov 29. pii: S0014-4800(18)30465-9. doi: 10.1016/j.yexmp.2018.11.013. [Epub ahead of print] PMID: 30503404

7. Multiple part umbilical cord entanglement and neonatal outcomes.

Mariya T, Fujibe Y, Shinkai S, Sugita N, Suzuki M, Endo T, Saito T. *Taiwan J Obstet Gynecol*. 2018 Oct;57(5):672–676. doi: 10.1016/j.tjog.2018.09.001. PMID: 30342649 Free Article

8. Estrogen/GPR30 Signaling Contributes to the Malignant Potentials of ER-Negative Cervical Adenocarcinoma via Regulation of Claudin-1 Expression.

Akimoto T, Takasawa A, Takasawa K, Aoyama T, Murata M, Osanai M, Saito T, Sawada N. *Neoplasia*. 2018 Oct;20(10):1083–1093. doi: 10.1016/j.neo.2018.08.010. Epub 2018 Sep 15. PMID: 30227306 Free PMC Article

9. Results of a multi-institutional, randomized, non-inferiority, phase III trial of accelerated fractionation versus standard fractionation in radiation therapy for T1-2N0M0 glottic cancer: Japan Clinical Oncology Group Study (JCOG0701).

Kodaira T, Kagami Y, Shibata T, Shikama N, Nishimura Y, Ishikura S, Nakamura K, Saito Y, Matsumoto Y, Teshima T, Ito Y, Akimoto T, Nakata K, Toshiyasu T, Nakagawa K, Nagata Y, Nishimura T, Uno T, Kataoka M, Yorozu A, Hiraoka M; Radiation Therapy Study Group of the Japan Clinical Oncology Group. *Ann Oncol*. 2018 Apr 1;29(4):992–997. doi: 10.1093/annonc/mdy036. PMID: 29401241

10. Repeatability analysis of ADC histogram metrics of the uterus. (*Acta Radiol*. doi: 10.1177/0284185118786062, 2018 Jan)

Koichi Onodera¹), Masamitsu Hatakenaka¹), Naoya Yama¹), Maki Onodera¹), Tsuyoshi Saito, Thomas Christian Kwee²), Taro Takahara³)
(Department of Diagnostic Radiology, Sapporo Medical University¹), Department of Radiology, Nuclear Medicine and Molecular Imaging, University Medical Center Groningen²), Department of Biomedical Engineering, School of Engineering, Tokai University³)

11. Risk stratification models for para-aortic lymph node metastasis and recurrence in stage IB–IIB cervical cancer. (*J Gynecol Oncol.* 29(1), doi: 10.3802/jgo.2018.29.e11, 2018 Jan) Koji Matsuo^{1, 2}), Muneaki Shimada^{3, 4}), Tsuyoshi Saito, Kazuhiro Takehara⁵), Hideki Tokunaga⁴), Yoh Watanabe⁶), Yukiharu Todo⁷), Ken-ichirou Morishige⁸), Mikio Mikami⁹), Toru Sugiyama¹⁰)

(Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, University of Southern California¹), Norris Comprehensive Cancer Center, University of Southern California²), Department of Obstetrics and Gynecology, Tottori University³), Department of Gynecology, Tohoku University Hospital⁴), Department of Gynecologic Oncology, Shikoku Cancer Center⁵), Department of Obstetrics and Gynecology, Kindai University Faculty of Medicine⁶), Division of Gynecologic Oncology, National Hospital Organization, Hokkaido Cancer Center⁷), Department of Obstetrics and Gynecology, Gifu University Graduate School of Medicine⁸), Department of Obstetrics and Gynecology, Tokai University⁹), Department of Obstetrics and Gynecology, Iwate Medical University¹⁰)

12. Comparison of human papillomavirus genotyping and cytology triage, COMPACT Study : Design, methods and baseline results in 14 642 women. (*Cancer Sci*(1347–9032) 109(6) : 2003–2012, doi: 10.1111/cas.13608, 2018 Jun)

Satomi Aoyama–Kikawa^{1, 2}), Hiromasa Fujita³), Sharon J.B. Hanley⁴), Mitsunori Kasamo⁵), Kokichi Kikuchi³), Toshihiko Torigoe⁶), Yoshihiro Matuno⁷), Akiko Tamakoshi⁸), Takayuki Sasaki³), Motoki Matsuura, Yasuhito Kato⁹), Peixin Dong⁴), Hidemichi Watari¹⁰), Tsuyoshi Saito, Kazuo Sengoku⁹), Noriaki Sakuragi^{2, 4, 10})

(Department of Obstetrics and Gynecology, Hokkaido University Graduate School of Medicine¹), Women’s Healthcare Center, Otaru General Hospital²), Hokkaido Cancer Society, Sapporo³), Department of Women’s Health Medicine, Faculty of Medicine, Hokkaido University⁴), Hokkaido Cancer Society, Asahikawa⁵), Department of Pathology, Sapporo Medical University⁶), Department of Surgical Pathology, Hokkaido University Hospital⁷), Department of Public Health, Faculty of Medicine, Hokkaido University⁸), Department of Obstetrics and Gynecology, Asahikawa Medical University⁹), Department of Obstetrics and Gynecology, Faculty of Medicine, Hokkaido University¹⁰)

13. A constitutional jumping translocation involving the Y and acrocentric chromosomes. (*Asian J Androl.* doi: 10.4103/aja.aja_60_18. [Epub ahead of print], 2018 Aug)

Makiko Tsutsumi¹), Naoko Fujita^{1, 2}), Fumihiko Suzuki³), Takashi Mishima⁴), Satoko Fujieda⁴), Michiko Watari⁴), Nobuhiro Takahashi⁵), Hidefumi Tonoki⁵), Osamu Moriwaka⁶), Toshiaki Endo, Hiroki Kurahashi^{1, 2, 3})

(Division of Molecular Genetics, Institute for Comprehensive Medical Science, Fujita Health University¹), Genome and Transcriptome Analysis Center, Fujita Health University²), Center for Collaboration in Research and Education, Fujita Health University³), Department of Obstetrics and Gynecology, Tenshi Hospital⁴), Department of Pediatrics, Tenshi Hospital⁵), Kamiya Ladies Clinic⁶)

14. Cytotoxicity of *Clostridium perfringens* enterotoxin depends on the conditions of claudin-4 in ovarian carcinoma cells. (*Exp Cell Res.* 371(1): 278–286, doi: 10.1016/j.yexcr.2018.08.024, 2018 Oct)

Satoshi Tanaka¹), Tomoyuki Aoyama¹), Marie Ogawa, Akira Takasawa¹), Masaki Murata¹),

Makoto Osanai¹⁾, Tsuyoshi Saito, Norimasa Sawada¹⁾
(Department of Pathology, Sapporo Medical University¹⁾)

○その他の論文 (2018 年)

1. Analysis of A Single Para-Aortic Lymph Node Metastasis in Endometrial Cancer.
(J Cancer Sci Ther, 10(2):19-21, doi:10.4172/1948-5956.1000510, 2018 Feb)

Motoki Matsuura, Akimasa Takahashi¹⁾, Hidetaka Nomura¹⁾, Maki Matoda¹⁾, Sanshiro Okamoto¹⁾, Hiroyuki Kanao¹⁾, Kohei Omatsu¹⁾, Kazuyoshi Kato¹⁾, Kuniko Utsugi¹⁾, Nobuhiro Takeshima¹⁾
(Department of Gynecologic Oncology, Cancer Institute Hospital¹⁾)

2. Isolated para-aortic nodal recurrence in endometrial cancer. (Open J Obstet Gynecol 8(7): 669-675, DOI: 10.4236/ojog.2018.87071, 2018 Jun)

Motoki Matsuura, Akimasa Takahashi¹⁾, Hidetaka Nomura¹⁾, Maki Matoda¹⁾, Sanshiro Okamoto¹⁾, Hiroyuki Kanao¹⁾, Kohei Omatsu¹⁾, Kazuyoshi Kato¹⁾, Kuniko Utsugi¹⁾, Nobuhiro Takeshima¹⁾
(Cancer Institute Hospital¹⁾)

3. 膣 Low grade fibromyxoid sarcoma の 1 例 (北海道産科婦人科学会会誌 (0367-6277) 62 (1) : 16-20、2018)

馬場 敦志、西澤 庸子、浅野 拓也、山下 剛、下山 則彦¹⁾
(市立函館病院病理診断科¹⁾)

4. 非医原性 parasitic leiomyoma の一例 (北海道産科婦人科学会会誌 (0367-6277) 62(1):21-24、2018)

嶋田 浩志、阿部 秀悦、鹿内 智史、真里谷 奨、橋本 卓¹⁾、阿部 厚憲¹⁾、郷久 晴朗、齋藤 豪
(北海道社会事業協会帯広病院外科¹⁾)

5. 当院における腹腔鏡下子宮筋腫核出術後の妊娠症例の検討 (北海道産科婦人科学会会誌 (0367-6277) 62 (1) : 36-40、2018)

西村 庸子、杉尾 明香¹⁾、玉手 雅人、金 美善、森下 美幸、明石 祐史¹⁾、遠藤 俊明、齋藤 豪
(札幌白石産科婦人科病院¹⁾)

6. 敗血症性ショックを起こした子宮筋腫の一例 (北海道産科婦人科学会会誌 (0367-6277) 62(1) : 101-105、2018)

野呂 薫、松浦 基樹、玉手 雅人、寺田 倫子、郷久 晴朗、寺本 瑞絵、岩崎 雅宏、齋藤 豪

7. 術後化学療法が一時的に奏功した卵巣原発肺型小細胞癌の一例 (北海道産科婦人科学会会誌 (0367-6277) 62 (1) : 126-131、2018)

野藤 五沙、岩崎 雅宏、郷久 晴朗、秋元 太志、寺本 瑞絵、寺田 倫子、松浦 基樹、
玉手 雅人、齋藤 豪

8. 経口抗菌薬を用いた妊娠中の産道 *Streptococcus agalactiae* 除菌の試みと腔内細菌叢との関連に関する検討 (帯広協会病院医誌 (2432-2261) 3 : 17-27)

真里谷 奨、鹿内 智史、嶋田 浩志、杉田 奈穂子、鈴木 将裕、野出 健司 1)、鷺見 亮太 1)、齋藤 豪

(帯広協会病院臨床検査科 1))

9. 発端者遺伝情報が得られないまま未発症者の遺伝学的検査を行った Lynch 症候群の 1 例 (家族性腫瘍 (1346-1052) 18 巻 1 号 : 1-7、2018)

寺本 瑞絵、鷹巢 祐子 1)、柏木 葉月、寺田 倫子、松浦 基樹、山下健太郎 2)、沖田 憲司 3)、石川 亜貴 1)、齋藤 豪、櫻井 晃洋 1)

(札幌医科大学遺伝医学 1)、札幌医科大学消化器内科学講座 2)、札幌医科大学消化器・総合乳腺・内分泌外科学講座 3))

産婦人科学講座

○主な研究内容

- 1 婦人科癌の浸潤・転移機構の解析
- 2 婦人科癌の遺伝子解析と遺伝子診断
- 3 卵巣黄体機能の研究
- 4 排卵障害と代謝異常に関わる遺伝子多型の関わり
- 5 子宮内膜癌の癌化における細胞接着蛋白の役割
- 6 子宮頸ガンとヒトパピローマウイルスの研究
- 7 婦人科疾患の超微形態学的研究
- 8 子宮内膜症の分子生物学的検討
- 9 卵巣癌での薬剤耐性克服
- 10 バイスタンダー効果を応用した遺伝子治療の研究

○Pub Med 掲載論文 (2017 年)

1. Downregulation of lipolysis-stimulated lipoprotein receptor promotes cell invasion via claudin-1-mediated matrix metalloproteinases in human endometrial cancer.

Shimada H, Satohisa S, Kohno T, Konno T, Takano KI, Takahashi S, Hatakeyama T, Arimoto C, Saito T, Kojima T.

Oncol Lett. 2017 Dec;14(6):6776-6782. doi: 10.3892/ol.2017.7038. Epub 2017 Sep 22. PMID:29151917

2. Transabdominal cerclage (TAC) for patients with ultra-short uterine cervix after uterine cervix surgery and its impact on pregnancy..

Ishioka S, Kim M, Mizugaki Y, Kon S, Isoyama K, Mizuuchi M, Morishita M, Baba T, Sekiya T, Saito T.

J Obstet Gynaecol Res. 2017 Nov 9. doi: 10.1111/jog.13487. [Epub ahead of print] PMID: 29121417

3. Ovarian high-grade endometrioid stromal sarcoma with YWHAE and NUTM2B rearrangements.

Kikuchi N, Sugita S, Nakanishi K, Sugawara T, Segawa K, Ito Y, Kubo T, Fujita H, Hirano H, Tanaka R, Saito T, Hasegawa T.

Pathol Int. 2017 Jun;67(6):327-329. doi: 10.1111/pin.12542. Epub 2017 May 15. No abstract available.

PMID: 28508463

4. Phosphorylation of HSF1 at serine 326 residue is related to the maintenance of gynecologic cancer stem cells through expression of HSP27.

Yasuda K, Hirohashi Y, Mariya T, Murai A, Tabuchi Y, Kuroda T, Kusumoto H, Takaya A, Yamamoto E, Kubo T, Nakatsugawa M, Kanaseki T, Tsukahara T, Tamura Y, Hirano H, Hasegawa T, Saito T, Sato N, Torigoe T.

Oncotarget. 2017 May 9;8(19):31540–31553. doi: 10.18632/oncotarget.16361.
PMID: 28415561

5. Uterine epithelioid leiomyosarcoma with c-kit expression and YWHAE gene rearrangement: a case report of a diagnostic pitfall of uterine sarcoma.

Kubo T, Sugita S, Wada R, Kikuchi N, Iwasaki M, Ito Y, Sugawara T, Fujita H, Emori M, Tanaka R, Hirano H, Saito T, Hasegawa T.
Diagn Pathol. 2017 Mar 14;12(1):26. doi: 10.1186/s13000-017-0615-6.
PMID: 28288693

6. Rap1GAP inhibits tumor progression in endometrial cancer.

Tamate M, Tanaka R, Osogami H, Matsuura M, Satohisa S, Iwasaki M, Saito T.
Biochem Biophys Res Commun. 2017 Apr 1;485(2):476–483. doi: 10.1016/j.bbrc.2017.02.044.
Epub 2017 Feb 11.
PMID: 28196746

7. Loss of tricellular tight junction protein LSR promotes cell invasion and migration via upregulation of TEAD1/AREG in human endometrial cancer.

Shimada H, Abe S, Kohno T, Satohisa S, Konno T, Takahashi S, Hatakeyama T, Arimoto C, Kakuki T, Kaneko Y, Takano KI, Saito T, Kojima T.
Sci Rep. 2017 Jan 10;7:37049. doi: 10.1038/srep37049.
PMID: 28071680

産婦人科学講座

○主な研究内容

- 1 婦人科癌の浸潤・転移機構の解析
- 2 婦人科癌の遺伝子解析と遺伝子診断
- 3 卵巣黄体機能の研究
- 4 排卵障害と代謝異常に関わる遺伝子多型の関わり
- 5 子宮内膜癌の癌化における細胞接着蛋白の役割
- 6 子宮頸ガンとヒトパピローマウイルスの研究
- 7 婦人科疾患の超微形態学的研究
- 8 子宮内膜症の分子生物学的検討
- 9 卵巣癌での薬剤耐性克服
- 10 バイスタンダー効果を応用した遺伝子治療の研究

○Pub Med 掲載論文 (2016 年)

1. BAG3-mediated Mcl-1 stabilization contributes to drug resistance via interaction with USP9X in ovarian cancer.

Habata S, Iwasaki M, Sugio A, Suzuki M, Tamate M, Satohisa S, Tanaka R, Saito T.

Int J Oncol. 2016 Jul;49(1):402-10. doi: 10.3892/ijo.2016.3494.

PMID: 27120977

2. Possibility of less radical treatment for patients with early invasive uterine cervical cancer.

Kim M, Ishioka S, Endo T, Baba T, Mizuuchi M, Takada S, Saito T.

J Obstet Gynaecol Res. 2016 Jul;42(7):876-82. doi: 10.1111/jog.12980.

PMID: 27074963

3. Obstetrical prognosis of patients with cervical intraepithelial neoplasia (CIN) after "coin-shaped" conization.

Kim M, Ishioka S, Endo T, Baba T, Saito T.

Arch Gynecol Obstet. 2016 Mar;293(3):651-7. doi: 10.1007/s00404-015-3860-5.

PMID: 26305031

4. BAG3-mediated Mcl-1 stabilization contributes to drug resistance via interaction with USP9X in ovarian cancer.

Habata S, Iwasaki M, Sugio A, Suzuki M, Tamate M, Satohisa S, Tanaka R, Saito T.

Int J Oncol. 2016 Jul;49(1):402-10. doi: 10.3892/ijo.2016.3494.

PMID: 27120977

5. The roles of tricellular tight junction protein lipolysis-stimulated lipoprotein receptor in malignancy of human endometrial cancer cells.

Shimada H, Satohisa S, Kohno T, Takahashi S, Hatakeyama T, Konno T, Tsujiwaki M, Saito T, Kojima T.

Oncotarget. 2016 May 10;7(19):27735-52. doi: 10.18632/oncotarget.8408.

PMID: 27036040 Free PMC Article

産婦人科学講座

○主な研究内容

- 1 婦人科癌の浸潤・転移機構の解析
- 2 婦人科癌の遺伝子解析と遺伝子診断
- 3 卵巣黄体機能の研究
- 4 排卵障害と代謝異常に関わる遺伝子多型の関わり
- 5 子宮内膜癌の癌化における細胞接着蛋白の役割
- 6 子宮頸ガンとヒトパピローマウイルスの研究
- 7 婦人科疾患の超微形態学的研究
- 8 子宮内膜症の分子生物学的検討
- 9 卵巣癌での薬剤耐性克服
- 10 バイスタンダー効果を応用した遺伝子治療の研究

○Pub Med 掲載論文 (2015 年)

1. Kim M, Ishioka S, Endo T, Baba T, Saito T.
Obstetrical prognosis of patients with cervical intraepithelial neoplasia (CIN) after "coin-shaped" conization.
Arch Gynecol Obstet. 2015 Aug 25. [Epub ahead of print]
2. Matsuura M, Satohisa S, Teramoto M, Tanaka R, Iwasaki M, Nishikawa A, Mizunuma M, Tanaka S, Hayakawa O, Saito T.
Palonosetron in combination with 1-day versus 3-day dexamethasone for prevention of nausea and vomiting following paclitaxel and carboplatin in patients with gynecologic cancers: A randomized, multicenter, phase-II trial.
J Obstet Gynaecol Res. 2015 Jul 21. doi: 10.1111/jog.12748. [Epub ahead of print]
3. Otokozawa S, Tanaka R, Akasaka H, Ito E, Asakura S, Ohnishi H, Saito S, Miura T, Saito T, Mori M.
Associations of Serum Isoflavone, Adiponectin and Insulin Levels with Risk for Epithelial Ovarian Cancer: Results of a Case-control Study.
Asian Pac J Cancer Prev. 2015;16(12):4987-91.
4. Ishioka S, Endo T, Baba T, Akashi Y, Morishita M, Sugio A, Kanayama N, Saito T.
Successful delivery after transabdominal cerclage of uterine cervix for cervical incompetence after radical trachelectomy.
J Obstet Gynaecol Res. 2015 Aug;41(8):1295-9. doi: 10.1111/jog.12716. Epub 2015 May 5.
5. Habata S, Iwasaki M, Sugio A, Suzuki M, Tamate M, Satohisa S, Tanaka R, Saito T.
BAG3 increases the invasiveness of uterine corpus carcinoma cells by suppressing miR-29b and enhancing MMP2 expression.
Oncol Rep. 2015 May;33(5):2613-21. doi: 10.3892/or.2015.3831. Epub 2015 Mar 4.

- 6 . Satoh T, Aoki Y, Kasamatsu T, Ochiai K, Takano M, Watanabe Y, Kikkawa F, Takeshima N, Hatae M, Yokota H, Saito T, Yaegashi N, Kobayashi H, Baba T, Kodama S, Saito T, Sakuragi N, Sumi T, Kamura T, Yoshikawa H.
Administration of standard-dose BEP regimen (bleomycin+etoposide+cisplatin) is essential for treatment of ovarian yolk sac tumour.
Eur J Cancer. 2015 Feb;51(3):340-51. doi: 10.1016/j.ejca.2014.12.004. Epub 2015 Jan 2.
- 7 . Itoi T, Kawakami H, Katanuma A, Irisawa A, Sofuni A, Itokawa F, Tsuchiya T, Tanaka R, Umeda J, Ryozaawa S, Doi S, Sakamoto N, Yasuda I.
Endoscopic nasogallbladder tube or stent placement in acute cholecystitis: a preliminary prospective randomized trial in Japan (with videos).
Gastrointest Endosc. 2015 Jan;81(1):111-8. doi: 10.1016/j.gie.2014.09.046.
- 8 . Okazaki S, Nagoya S, Matsumoto H, Mizuo K, Shimizu J, Watanabe S, Inoue H, Yamashita T.
TLR4 stimulation and corticosteroid interactively induce osteonecrosis of the femoral head in rat.
J Orthop Res. 2015 Aug 6. doi: 10.1002/jor.23008. [Epub ahead of print]
- 9 . Hirohashi Y, Torigoe T, Mariya T, Kochin V, Saito T, Sato N.
HLA class I as a predictor of clinical prognosis and CTL infiltration as a predictor of chemosensitivity in ovarian cancer.
Oncoimmunology. 2015 Mar 23;4(5):e1005507. eCollection 2015 May.
10. Otokozawa S, Tanaka R, Akasaka H, Ito E, Asakura S, Ohnishi H, Saito S, Miura T, Saito T, Mori M.
Associations of Serum Isoflavone, Adiponectin and Insulin Levels with Risk for Epithelial Ovarian Cancer: Results of a Case-control Study.
Asian Pac J Cancer Prev. 2015;16(12):4987-91.
11. Tamate M, Matsuura M, Habata S, Akashi Y, Tanaka R, Ishioka S, Endo T, Saito T.
Preservation of fertility and subsequent childbirth after methotrexate treatment of placenta percreta: a case report.
J Med Case Rep. 2015 Oct 19;9:232. doi: 10.1186/s13256-015-0716-3.

産婦人科学講座

○主な研究内容

- 1 婦人科癌の浸潤・転移機構の解析
- 2 婦人科癌の遺伝子解析と遺伝子診断
- 3 卵巣黄体機能の研究
- 4 排卵障害と代謝異常に関わる遺伝子多型の関わり
- 5 子宮内膜癌の癌化における細胞接着蛋白の役割
- 6 子宮頸ガンとヒトパピローマウイルスの研究
- 7 婦人科疾患の超微形態学的研究
- 8 子宮内膜症の分子生物学的検討
- 9 卵巣癌での薬剤耐性克服
- 10 バイスタンダー効果を応用した遺伝子治療の研究

○Pub Med 掲載論文 (2014 年)

1. [Yasuda K](#)¹, [Torigoe T](#)¹, [Mariya T](#)², [Asano T](#)², [Kuroda T](#)³, [Matsuzaki J](#)¹, [Ikeda K](#)⁴, [Yamauchi M](#)⁴, [Emori M](#)¹, [Asanuma H](#)⁵, [Hasegawa T](#)⁵, [Saito T](#)³, [Hirohashi Y](#)¹, [Sato N](#)¹.
Fibroblasts induce expression of FGF4 in ovarian cancer stem-like cells/cancer-initiating cells and upregulate their tumor initiation capacity.
[Lab Invest.](#) 2014 Dec;94(12):1355-69. doi: 10.1038/labinvest.2014.122. Epub 2014 Oct 20.
2. [Mariya T](#)¹, [Hirohashi Y](#)², [Torigoe T](#)³, [Asano T](#)¹, [Kuroda T](#)⁴, [Yasuda K](#)¹, [Mizuuchi M](#)⁴, [Sonoda T](#)⁵, [Saito T](#)⁶, [Sato N](#)⁷.
Prognostic impact of human leukocyte antigen class I expression and association of platinum resistance with immunological profiles in epithelial ovarian cancer.
[Cancer Immunol Res.](#) 2014 Dec;2(12):1220-9. doi: 10.1158/2326-6066.CIR-14-0101. Epub 2014 Oct 16.
3. [Sugio A](#)¹, [Iwasaki M](#)², [Habata S](#)¹, [Mariya T](#)¹, [Suzuki M](#)¹, [Osogami H](#)¹, [Tamate M](#)¹, [Tanaka R](#)¹, [Saito T](#)¹.
BAG3 upregulates Mcl-1 through downregulation of miR-29b to induce anticancer drug resistance in ovarian cancer.
[Gynecol Oncol.](#) 2014 Jun 30. pii: S0090-8258(14)01065-8. doi: 10.1016/j.ygyno.2014.06.024. [Epub ahead of print]
4. [Ikeda K](#)¹, [Baba T](#)², [Morishita M](#)², [Honma H](#)³, [Endo T](#)², [Kiya T](#)⁴, [Saito T](#)².
Long-term treatment with dehydroepiandrosterone may lead to follicular atresia through interaction with anti-Mullerian hormone.
[J Ovarian Res.](#) 2014 Apr 30;7:46. doi: 10.1186/1757-2215-7-46. eCollection 2014.
5. [Matsuura M](#)¹, [Tamate M](#), [Tabuchi Y](#), [Takada S](#), [Tanaka R](#), [Iwasaki M](#), [Saito T](#).
Prediction of the therapeutic effect of dienogest in ovarian endometrial cysts using the apparent diffusion coefficient.
[Gynecol Endocrinol.](#) 2014 Aug;30(8):597-9. doi: 10.3109/09513590.2014.911277. Epub 2014 May 8.
6. [Kim M](#)¹, [Ishioka S](#), [Endo T](#), [Baba T](#), [Akashi Y](#), [Morishita M](#), [Adachi H](#), [Saito T](#).
Importance of uterine cervical cerclage to maintain a successful pregnancy for patients

who undergo vaginal radical trachelectomy.

[Int J Clin Oncol](#). 2014 Oct;19(5):906-11. doi: 10.1007/s10147-013-0631-9. Epub 2013 Oct 31.

7. [Teramoto M](#)¹, [Suzuki T](#), [Satohisa S](#), [Akashi Y](#), [Matsuura M](#), [Suzuki M](#), [Tanaka R](#), [Saito T](#).

Low-dose SN-38 with paclitaxel induces lethality in human uterine cervical adenocarcinoma cells by increasing caspase activity.

[Med Mol Morphol](#). 2014 Mar;47(1):31-7. doi: 10.1007/s00795-013-0036-x. Epub 2013 Mar 16.

産婦人科学講座

○主な研究内容

- 1 婦人科癌の浸潤・転移機構の解析
- 2 婦人科癌の遺伝子解析と遺伝子診断
- 3 卵巣黄体機能の研究
- 4 排卵障害と代謝異常に関わる遺伝子多型の関わり
- 5 子宮内膜癌の癌化における細胞接着蛋白の役割
- 6 子宮頸ガンとヒトパピローマウイルスの研究
- 7 婦人科疾患の超微形態学的研究
- 8 子宮内膜症の分子生物学的検討
- 9 卵巣癌での薬剤耐性克服
- 10 バイスタンダー効果を応用した遺伝子治療の研究

○Pub Med 掲載論文 (2013 年)

1. [Someya M](#), [Kojima T](#), [Ogawa M](#), [Ninomiya T](#), [Nomura K](#), [Takasawa A](#), [Murata M](#), [Tanaka S](#), [Saito T](#), [Sawada N](#).
Regulation of tight junctions by sex hormones in normal human endometrial epithelial cells and uterus cancer cell line Sawano. (*Cell Tissue Res*. 2013 Jul 3. [Epub ahead of print])
2. [Baba T](#), [Endo T](#), [Ikeda K](#), [Shimizu A](#), [Morishita M](#), [Kuno Y](#), [Honma H](#), [Kiya T](#), [Ishioka S](#), [Saito T](#).
Assisted reproductive technique increases the risk of placental polyp. (*Gynecol Endocrinol*. 2013 Jun;29(6):611-4. doi: 10.3109/09513590.2013.788636.)
3. [Teramoto M](#), [Suzuki T](#), [Satohisa S](#), [Akashi Y](#), [Matsuura M](#), [Suzuki M](#), [Tanaka R](#), [Saito T](#).
Low-dose SN-38 with paclitaxel induces lethality in human uterine cervical adenocarcinoma cells by increasing caspase activity. (*Med Mol Morphol*. 2013 Mar 16. [Epub ahead of print])
4. [Ikeda K](#), [Baba T](#), [Noguchi H](#), [Nagasawa K](#), [Endo T](#), [Kiya T](#), [Saito T](#).
Excessive androgen exposure in female-to-male transsexual persons of reproductive age induces hyperplasia of the ovarian cortex and stroma but not polycystic ovary morphology. (*Hum Reprod*. 2013 Feb;28(2):453-61. doi: 10.1093/humrep/des385. Epub 2012 Nov 27.)
5. [Umemura K](#), [Ishioka S](#), [Endo T](#), [Ezaka Y](#), [Takahashi M](#), [Saito T](#).
Roles of microRNA-34a in the pathogenesis of placenta accreta. (*J Obstet Gynaecol Res*. 2013 Jan;39(1):67-74. doi: 10.1111/j.1447-0756.2012.01898.x. Epub 2012 Jun 4.)
6. [Kim M](#), [Ishioka SI](#), [Endo T](#), [Baba T](#), [Akashi Y](#), [Morishita M](#), [Adachi H](#), [Saito T](#).
Importance of uterine cervical cerclage to maintain a successful pregnancy for patients who undergo vaginal radical trachelectomy. (*Int J Clin Oncol*. 2013 Oct 31. [Epub ahead of print])