

## 主な研究課題・発表代表論文

泌尿器科学講座 Urology

研究領域 上皮情報解析医科学

教授 白石晃司 Koji Shiraishi

Web ページ : <http://ds0n.cc.yamaguchi-u.ac.jp/~urology/>

### 主な研究課題

- ・泌尿性器癌の遺伝子変異を中心とした予後因子に関する研究、
- ・腫瘍および局所微小環境構築と薬剤感受性試験
- ・腎移植、腎不全治療における虚血再灌流障害に関する研究
- ・造精機能障害における遺伝子異常に関する研究
- ・小児泌尿器科に関する研究

### 発表代表論文

- 1) Oka S, Matsukuma H, Horiguchi N, Kobayashi T, Shiraishi K. Heat stress upregulates aromatases expression through nuclear DAX-1 deficiency in R2C Leydig tumor cells. *Mol Cell Endocrinol.* 2022 Sep 6;558:111766. doi: 10.1016/j.mce.2022.111766. Online ahead of print.PMID: 36075317
- 2) Shiraishi K, Takihara H, Matsuyama H. Testicular Temperature and the Effects of Orchiopexy in Infants with Cryptorchidism. *J Urol* 2021 Oct;206(4):1031-1037. doi: 10.1097/JU.0000000000001896. Epub 2021 May 25.PMID: 34033504
- 3) Tabara M, Shiraishi K, Takii R, Fujimoto M, Nakai A, Matsuyama H. Testicular localization of activating transcription factor 1 and its potential function during spermatogenesis. *Biol Reprod.* 2021 Oct 11;105(4):976-986. doi: 10.1093/biolre/ioab099.PMID: 34007999
- 3) Shiraishi K, Oka S, Matsuyama H. Testicular Testosterone and Estradiol Concentrations and Aromatase Expression in Men with Nonobstructive Azoospermia. *J Clin Endocrinol Metab.* 2021 Mar 25;106(4):e1803-e1815. doi: 10.1210/clinem/dgaa860.PMID: 33236081
- 4) Mori JI, Adachi K, Sakoda Y, Sasaki T, Goto S, Matsumoto H, Nagashima Y, Matsuyama H, Tamada K. Anti-tumor efficacy of human anti-c-met CAR-T cells against papillary renal cell carcinoma in an orthotopic model. *Cancer Sci.* 2021 Apr;112(4):1417-1428. doi: 10.1111/cas.14835. Epub 2021 Feb 24. PMID: 33539630.
- 5) Samoto M, Matsuyama H, Matsumoto H, Hirata H, Ueno K, Ozawa S, Mori J, Inoue R, Yano S, Yamamoto Y, Haginaka J, Horiyama S, Tamada K. Novel bone microenvironment model of castration-resistant prostate cancer with chitosan fiber matrix and osteoblasts. *Oncol Lett.* 2021 Oct;22(4):689. doi: 10.3892/ol.2021.12950. Epub 2021 Aug 1
- 6) Nakayama Y, Isoyama N, Yamamoto T, Nagata Y, Matsumura M, Fujikawa K, Matsuyama H, Shiraishi K. Receptor activator of the NF $\kappa$ B ligand system protects renal function during experimental renal ischemia-

- reperfusion in mice. *Transpl Immunol*. 2020 Feb;58:101263. doi: 10.1016/j.trim.2020.101263. Epub 2020 Jan 3. PMID: 31911129
- 7) Yamamoto Y, Otori T, Inoue R, Yano S, Hirata H, Matsumoto H, Matsuyama K, Matsuyama H. Pharmacokinetics of Neoadjuvant Axitinib Influenced the Efficacy in Patients with Advanced Renal Cell Carcinoma. *J Clin Pharmacol*. 2020 Feb;60(2):256-263.
- 8) Nakamura K, Nagata Y, Hiroyoshi T, Isoyama N, Fujikawa K, Miura Y, Matsuyama H, Kuro-O M. The effect of lanthanum carbonate on calciprotein particles in hemodialysis patients. The effect of lanthanum carbonate on calciprotein particles in hemodialysis patients. *Clin Exp Nephrol*. 2020 Apr;24(4):323-329. doi: 10.1007/s10157-019-01832-4.
- 9) Matsumoto H, Shiraishi K, Azuma H, Inoue K, Uemura H, Eto M, Ohyama C, Ogawa O, Kikuchi E, Kitamura H, Shinohara N, Takahashi S, Tsuzuki T, Nakagawa M, Narumi Y, Nishiyama H, Habuchi T, Hinotsu S, Fujii Y, Fujimoto K, Fujimoto H, Mizowaki T, Matsuyama H. Clinical Practice Guidelines for Bladder Cancer 2019 edition by the Japanese Urological Association: Summary of the Revision. *Int J Urol*. 2020 Jun 21. doi: 10.1111/iju.14281. Online ahead of print
- 10) Matsuyama H, Matsubara N, Kazama H, Seto T, Tsukube S, Suzuki K. Real-world efficacy and safety of two doses of cabazitaxel (20 or 25 mg/m<sup>2</sup>) in patients with castration-resistant prostate cancer: results of a Japanese post-marketing surveillance study. *BMC Cancer*. 2020 Jul 13;20(1):649. doi: 10.1186/s12885-020-07131-6.