

Department of Urology

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General Summary

We performed research in the following areas: urologic oncology, urinary tract infection, sexually transmitted diseases, urodynamics and erectile dysfunction, the kidney and adrenal gland, endourology, and extracorporeal shockwave lithotripsy.

Research Activities

Urologic oncology

1. Basic research: We have several projects that aim to clarify the biology of urological malignancies and to develop new therapeutic tools. Most projects were reported at the annual meeting of the Japanese Urological Association and the American Urological Association. The projects are as follows.

1) Proteomic analysis of new biomarkers for prostate cancer and urothelial cancer
 2) Establishment and biological analysis of a new prostate cancer model derived from Japanese patients

3) Research on neurourology and female urology

2. Clinical research: Several clinical studies are ongoing in our department. Some results have already been reported at the annual meeting of the Japanese Urological Association.

1) Study of seeds and hormones for intermediate-risk prostate cancer
 2) Clinical study of high dose rate brachytherapy with external beam radiation therapy against high-risk prostate cancer
 3) Study of deep venous thrombosis after urological surgery
 4) Study of the incidence of latent prostate cancer
 5) Clinical study of cryosurgery for small renal tumors
 6) Clinical study of neoadjuvant/presurgical treatment with molecularly targeted therapy for renal cell carcinomacarcinoma

Publications

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