**Urology**

1. Staffs and Students (December, 2010)

**Professor and Chairman**
Kazunori Kihara

**Associate Professor**
Satoru Kawakami (~June), Yasuhisa Fujii (July~)

**Lecturer**
Yasuhisa Fujii, Hitoshi Masuda

**Assistant Professor**
Fumitaka Koga, Kazutaka Saito, Yohei Okada, Akihiro Yano (~June), Noboru Numao(July~), Yasumasa Iimura (July~)

**Hospital Staff**
Junichirou Ishioka, Minato Yokoyama, Mizuaki Sakura, Manabu Tatokoro, Yoshinobu Komai, Shuichiro Kobayashi, Toshiki Kijima

**Graduate Student**
Masaki Tanaka, Mizuaki Sakura, Yoshinobu Komai, Toshiki Kijima, Naoko Kawamura, Naotaka Fukui, Sachi Kitayama, Yasukazu Nakanishi, Yuichi Kubo, Hideki Takeshita, Shuichiro Kobayashi, Toshihiro Kanda, Masaya Ito, Takayuki Nakayama, Yuichi Kubo, Masaharu Inoue, Hajime Tanaka

2. Purpose of Education
We are committed to offering educational programs to facilitate the development of outstanding academic urologists of the next generation. We believe that one of our missions is to educate students, residents and fellows in the art and science of urology and thereby to train the future leaders in the field. The continuous commitment to clinical and translational research is reflected to publications in international journals, presentations at international meetings and awards, which are listed below.

3. Research Subjects

**Clinical Research**

1) Innovation and establishment of minimally invasive, gasless single port access urological surgery
2) Development of optimal 3-dimentional prostate needle biopsy
3) Development of nomograms for optimal detection of prostate cancer
4) Sequential combination therapy to prolong survival of advanced prostate cancer patients
5) Development and establishment of curative and minimally invasive bladder preservation using low-dose chemoradiotherapy plus partial cystectomy
6) Development and establishment of minimally invasive, nonischemic nephron-sparing surgery against kidney cancer
7) Development and establishment of focal therapy using hemiablative brachytherapy against prostate cancer
8) Sequential combination therapy to prolong survival of advanced kidney cancer patients, starting with immunotherapy combined with multiple molecular targeted agents
9) Application of diffusion-weighed MRI to diagnosis, assessment of therapeutic effects and monitoring of relapse in urological cancer
10) Application of serum C-reactive protein as a prognostic biomarker of urological malignancies and as a marker for surgical invasiveness

**Translational Research**

1) Development of differentiation-inducing therapy against hormone-resistant prostate carcinomas
2) Investigation on molecular mechanisms, in particular deregulation of the NO system, underlying voiding and erectile dysfunction to develop rational therapy
3) Overcoming therapeutic resistance to chemo- and/or radiotherapy against urological malignancies using novel molecular targeted agents
4) Investigation on functional roles of p63 protein in urothelial carcinomas
4. Clinical Services

Our mission is to provide the best urological care to all patients. Besides offering urological practices of the international standard, we are making a continuous effort to improve daily practices. The gasless single port access urological surgery, which we have innovated its concept and developed surgical techniques specific to all urological organs, has been officially approved as medical services provided by the Japanese Governmental Health Insurance System in April 2008. These minimally invasive surgical techniques can be fundamentally applied to all patients having urological malignancies, even those having locally advanced disease and previous histories of abdominal surgery.

5. Publications (International)

Original Article


Review Article


Award


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Presentations at International Meetings


**Invited Lecture and International Symposium**