

講義ユニット名 Title of Lecture	Urology		所属科目名 Title of Course	Clinical diagnosis and treatment II
講義ユニット責任者 Responsible Instructor	MATSUBARA AKIO	所属 Affiliation	Urology (内線 Ext. Number 5240)	
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講義ユニットコーディネーター Lecture Coordinator	TEISHIMA JUN	所属 Affiliation	Urology (内線 Ext. Number 5242)	
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授業方法 Lesson Style	Lectures using Power Point slides.			
概要 Overview	<p>Urology is a specialized field that diagnoses and treats diseases of the seminal and urinary tracts. The number of patients with prostatic hyperplasia, prostate cancer, renal cell cancer and urinary incontinence is increasing as our society is aging. In recent years, progress in endoscopic surgery and minimally invasive surgery has been significant and therefore clinicians in urology are required to understand and acquire knowledge of both these diseases and treatment procedures.</p> <p>The objective of this unit is to deepen understanding of diseases in urology and to establish basic knowledge in urology that is necessary for a clinician.</p>			
講義ユニットの到達目標 Academic Goals	<p>Explain the position and morphology of the renal/urinary tract system and the vascular distribution and innervation.</p> <p>Explain the mechanisms underlying urine collection and urination.</p> <p>Explain the causes and pathology of abnormal urine output and urination.</p> <p>Explain important points in diagnosing patients with abnormal urine output and urination.</p> <p>Give an outline of the imaging diagnosis of the renal/urinary tract system.</p> <p>Explain urodynamic testing.</p> <p>Give an outline of major congenital anomalies of the kidney and urinary tracts (polycystic kidney disease, vesicoureteral reflux).</p> <p>Explain the symptoms, diagnosis, and treatment of renal/bladder cancer.</p> <p>Explain the symptoms, diagnosis, and treatment of renal injury.</p> <p>Explain the causes, symptoms, diagnosis, and treatment of urolithiasis.</p> <p>Explain the causes, symptoms, diagnosis, and treatment of urinary tract inflammations (cystitis, prostatitis, and urethritis).</p> <p>Explain the symptoms, diagnosis, and treatment of renal pelvic/ureteral tumor.</p> <p>Explain the pathology, diagnosis, and treatment of urinary incontinence.</p>			

	<p>Explain the causes, diagnosis, and treatment of urinary tract injury.</p> <p>Give an outline of neurogenic bladder.</p> <p>Explain the development of the gonads and the process of sexual differentiation.</p> <p>Explain the developmental process of the male genitalia.</p> <p>Explain the morphology and function of the male genitalia.</p> <p>Explain the histology of the testis and the process of spermatogenesis.</p> <p>Explain the histology of the penis and the mechanism of erection and ejaculation.</p> <p>Explain testing methods (urography, ultrasonography, CT, and MRI scanning) for the testis and the prostate and interpretation of results.</p> <p>Give an outline of erectile dysfunction and ejaculation disorder.</p> <p>Give an outline of testicular dysfunction.</p> <p>Give an outline of male sterility.</p> <p>Explain the diagnosis and treatment of prostatic hyperplasia.</p> <p>Explain the diagnosis and treatment of prostate cancer.</p> <p>Give an outline of testicular tumor.</p> <p>Explain the diagnosis of intrascrotal mass.</p> <p>Give an outline of cryptorchidism.</p>
<p>講義日程 Class Schedule</p>	See the attached schedule.
<p>出席の取り扱い Class Attendance Policy</p>	<p>Attendance is taken every lecture using the Student Attendance Management System.</p> <p>A student whose attendance is less than two-thirds of all the classes is not eligible for taking the final examination.</p>
<p>評価項目 Evaluation Item</p>	<p>Achievement level of goals (basic understanding and application of knowledge)</p>
<p>評価法 Evaluation Method</p>	Examination (in the form of a national examination)
<p>履修上のアドバ イス Advice for Taking the Lecture</p>	
<p>推奨参考書 Recommended Reference Books</p>	<p>[Reference books recommended for purchase]</p> <p>Akaza M, Namiki M. <i>Hyojun Hinyokikagaku (Standard Textbook)</i>. Kagawa S. superv-ed. Igakushoin</p> <p>[Other references useful for this unit]</p> <p>Handouts to be provided in the first lecture should be carefully read and understood.</p>

