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R. Montironi, V. Scattoni, R. Mazzucchelli, A. Lopez-Beltran, D.G. Bostwick, F. Montorsi

The presence of atypical focus suspicious but not diagnostic of malignancy in needle biopsy is an important predictor of concurrent or subsequent cancer compared with biopsies from patients who lack this finding.

Anticholinergic Drugs in Patients with Bladder Outlet Obstruction and Lower Urinary Tract Symptoms: A Systematic Review  675

G. Novara, A. Galfano, V. Ficarra, W. Artibani

Available data cannot support α -blocker and anticholinergic drug therapy in patients with storage and voiding LUTS. The findings highlight the need for larger and better designed randomised controlled trials to appropriately assess long-term safety and efficacy of the combination therapy.

Botulinum Toxin Injections for Neurogenic and Idiopathic Detrusor Overactivity: A Critical Analysis of Results  684

A.K. Patel, J.M. Patterson, C.R. Chapple

[Editorial Comments by M. Lazzeri and by A. Giannantoni]

Although botulinum toxins have achieved widespread acceptance for the treatment of conditions characterised by detrusor overactivity, significant clinical and basic science research needs to be completed before we can be completely confident in its safety, efficacy, and appropriate usage.

	Sexual Function Before and After Radical Retropubic Prostatectomy: A Systematic Review of Prognostic Indicators for a Successful Outcome	711
	<i>Y.D. Dubbelman, G.R. Dohle, F.H. Schröder</i> [Editorial Comments by A. Briganti, by M. Truss and by J.S. Jones]	
	Neurogenic and vascular factors are of prognostic importance for a successful sexual outcome after radical retropubic prostatectomy. In selected patients erectile function recovery rates after nerve sparing radical prostatectomy are high.	
	Association between Erectile Dysfunction and Coronary Artery Disease: Matching the Right Target with the Right Test in the Right Patient	721
	<i>P. Montorsi, P.M. Ravagnani, S. Galli, A. Salonia, A. Briganti, J.P. Werba, F. Montorsi</i>	
	ED is definitely a vascular disorder and all men with ED should be considered at risk of CV until proven otherwise. Available risk assessment charts should be used to stratify (low, intermediate, high) the coronary risk score in each patient with ED.	
Surgery in Motion	Organ-Preserving Endoscopic Kidney Cancer Resection	732
	<i>E. Heinrich, T. Egner, M. Noe, F. Schiefelbein, G. Schoen</i>	
	Endoscopic kidney surgery seems to get priority over the open procedure. Less perioperative and postoperative morbidity, lower blood loss, and comparable oncologic results are the major advantages of this new technique.	
Prostate Cancer	MRI-Guided Biopsy of the Prostate Increases Diagnostic Performance in Men with Elevated or Increasing PSA Levels after Previous Negative TRUS Biopsies	738
	<i>A.G. Anastasiadis, M.P. Lichy, U. Nagele, M.A. Kuczyk, A.S. Merseburger, J. Hennenlotter, S. Corvin, K.-D. Sievert, C.D. Claussen, A. Stenzl, H.-P. Schlemmer</i>	
	[Editorial Comment by M. Remzi]	
	In selected men with previous negative TRUS-guided prostate biopsy, elevated or increasing PSA levels, and suspicious findings on MRI, MRI-guided biopsy is a new method with promising cancer detection rates. Interdisciplinary cooperation between the urologist and an experienced urologist is required for optimal patient selection.	
	A Correlation of FTIR Spectra Derived from Prostate Cancer Biopsies with Gleason Grade and Tumour Stage	750
	<i>E. Gazi, M. Baker, J. Dwyer, N.P. Lockyer, P. Gardner, J.H. Shanks, R.S. Reeve, C.A. Hart, N.W. Clarke, M.D. Brown</i>	
	[Editorial Comment by H.G. van der Poel]	
	Fournier transform infrared (FTIR) microspectroscopy is used to grade prostate cancer tissue. Correlation exists between tissue architecture using Gleason score with tissue biochemistry using FTIR. Both systems are similar in predicting metastatic behaviour in tumours from individual patients.	
	Computerized Three-Dimensional Localization of Prostate Cancer Using Contrast-Enhanced Power Doppler and Clustering Analysis	762
	<i>H. van Moerkerk, S.W.T.P.J. Heijmink, C.A. Hulsbergen-v.d. Kaa, J.O. Barentsz, J.A. Witjes</i>	
	[Editorial Comment by P.I. Karakiewicz]	
	Clustering, and therefore blood flow, analysed in a three-dimensional contrast-enhanced power Doppler volume correlates with tumor location. Biopsies may be directed to zones with high clustering to improve sensitivity.	
Bladder Cancer	Elevated Microsatellite Instability at Selected Tetranucleotide Repeats does not Correlate with Clinicopathologic Features of Bladder Cancer	770
	<i>M. Burger, S.J. Burger, S. Denzinger, P.J. Wild, W.F. Wieland, H. Blaszyk, E.C. Obermann, R. Stoehr, A. Hartmann</i>	
	[Editorial Comment by R. von Knobloch]	
	We show in a consecutive series of 117 non-selected superficial bladder cancers EMAS as a distinct form of genetic instability that is unrelated to MDMSI and MMR-deficiency. We found a relatively low frequency with 9% and no impact on clinical behaviour.	
	Focal S100A4 Protein Expression Is an Independent Predictor of Development of Metastatic Disease in Cystectomized Bladder Cancer Patients	777
	<i>M. Agerbaek, J. Alsner, N. Marcussen, F. Lundbeck, H. Von Der Maase</i>	
	Based on multivariate analysis, immunohistochemical S100A4 protein expression was found to be the only significant independent predictor of distant metastatic relapse and distant metastasis free survival in a cohort of cystectomized bladder cancer patients.	

Kidney Cancer	Prognostic Role of the Histologic Subtypes of Renal Cell Carcinoma after Slide Revision	786
	<p><i>V. Ficarra, G. Martignoni, A. Galfano, G. Novara, S. Gobbo, M. Brunelli, M. Pea, F. Zattoni, W. Artibani</i> [Editorial Comments by J.-J. Patard and by Z. Kirkali]</p> <p>Slide revision significantly refined the evaluation of cases diagnosed before UICC/AJCC introduced the Heidelberg classification. Slide revision should be strongly recommended in all retrospective studies.</p>	
Laparoscopy	Efficacy of Ablative High-Dose-per-Fraction Radiation for Implanted Human Renal Cell Cancer in a Nude Mouse Model	795
	<p><i>L. Walsh, J.L. Stanfield, L.C. Cho, C.-h. Chang, K. Forster, W. Kabani, J.A. Cadeddu, J.-T. Hsieh, H. Choy, R. Timmerman, Y. Lotan</i> [Editorial Comment by P. Whelan]</p> <p>Treatment of human RCC in an in vivo murine model with high-dose-per-fraction radiation to 48 Gy in three fractions resulted in a sustained decrease in tumour volume and dramatic histologic changes in most mice. These results encourage further research into high-dose radiation for kidney cancer.</p>	
Neuro-urology	Autologous Fibrin Glue Using the Vivostat System for Hemostasis in Laparoscopic Partial Nephrectomy	801
	<p><i>L. Schips, O. Dalpiaz, A. Cestari, K. Lipsky, S. Gidaro, R. Zigeuner, P. Petritsch</i></p> <p>The Vivostat™ system is a safe and time-sparing adjunct to currently available means of obtaining immediate haemostasis during laparoscopic partial nephrectomy. Further studies, possibly including comparative trials with other fibrin sealants, are needed to confirm our results.</p>	
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	<p><i>E. Lekka, L.K. Lee</i> [Editorial Comment by M. Lazzeri]</p> <p>Initial results of Botulinum-A toxin (BTA) injection in patients with long-standing multiple sclerosis (MS) and urethral leakage of urine in spite of indwelling suprapubic catheters (catheter bypassing) are presented. Three patients treated with cystoscopic injection of BTA IU (Allergan) were studied. Telephone interviews were made at four- to six-week intervals. Continence status and patient satisfaction were recorded before and after treatment.</p>	
Female Urology - Incontinence	Determinants of Seeking of Primary Care for Lower Urinary Tract Symptoms: The Krimpen Study in Community-Dwelling Men	811
	<p><i>E.T. Kok, F.P.M.J. Groeneveld, J. Gouweloos, R. Jonkheijm, J.L.H.R. Bosch, S. Thomas, A.M. Bohnen</i></p> <p>Both urologic measurements (prostate volume and postvoid residual-urine-volume) and self-reported information about symptoms or QOL can help to select men who will benefit from medical care and to reassure men not likely to need help in the near future.</p>	
Infections	Influence of the Severity of Stress Urinary Incontinence on Quality of Life, Health Care Seeking, and Treatment: A National Cross-Sectional Survey	818
	<p><i>I. Gasquet, S. Tcherny-Lessenot, P. Gaudebout, B. Bosio Le Goux, P. Klein, F. Haab</i></p> <p>An observational cross-sectional study was conducted in community-dwelling French women aged 18 to 70 to assess the prevalence of stress urinary incontinence and the influence of the severity of stress urinary incontinence symptoms on quality of life, help-seeking, and treatment.</p>	
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	<p><i>O. Dalpiaz, G. Primus, L. Schips</i> [Editorial Comment by F. Daneshgari]</p> <p>The suprapubic arch sling procedure is safe and effective for treating stress urinary incontinence in women ≥ 65 yr. It has a short learning curve, low incidence of perioperative and postoperative complications, and high success rate with high patient satisfaction.</p>	
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	<p><i>S. Lindstedt, U. Lindström, E. Ljunggren, B. Wullt, M. Grabe</i></p> <p>Single-dose antibiotic prophylaxis given in conjunction with prostate biopsy is effective against febrile genitourinary infection in men without recognised risk factors. Bacteriuria is a striking risk factor. A careful prebiopsy history is a prerequisite for reducing infective events.</p>	

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Pediatric Urology	Effect of Carbamazepine on Urinary Volume and Osmolality, Water Clearance, and Serum Osmolality in Patients with Primary Enuresis	844
	<i>N.S. Al-Waili, H. Al-Waili, K.Y. Saloom, T. Al-Waili, A. Al-Waili, M. Akmal, F. Al-Waili</i>	
	[Editorial Comments by D. Porru and by V. Ficarra]	
	In enuretics, carbamazepine reduces frequency of bed-wetting episodes, frequency of micturition and urine volume, increases urine osmolality, and decreases the free water clearance and the osmotic clearance; this may help to understand its mechanism of action in management of enuresis.	
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