

# ESUT's dynamic presence in Milan

Well-attended live surgery sessions attest to quality content



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The EAU Section of Uro-Technology (ESUT) conveyed a remarkable impression at 28th Annual EAU Congress in Milan, by hosting a series of live surgeries, hands-on-courses and presentations. By showcasing the latest advances in urological technology, ESUT's aim was to highlight groundbreaking surgical innovations in European urology.

For more than a decade, ESUT-sponsored live surgeries have been among the most attended sessions of the annual congress. Jointly organised with EULIS (EAU Section of Urolithiasis) and ERUS (EAU Section of Robotic Surgery in Urology), this year's "What is new in endourology, laparoscopy and robotics" session, held on Saturday, April 16, was once again very popular.



Live surgery session

The audience was treated to the best in current surgical techniques by internationally renowned experts, and had the opportunity to participate in a lively debate with the surgeons and moderators. The session began with an introduction by ESUT Chairman Prof. J. Rassweiler who noted the close collaboration among the participating surgeons and the outstanding facilities of the Department of Urology at San Raffaele Turro Hospital, and at the Vita Salute San Raffaele University. Dr. Andras Hoznek then presented follow-up details on last year's live surgery patients, in accordance with the new EAU policy on surgical ethics in live surgery. This critically important innovation was reviewed by Prof. Artibani, in advance of Prof. Keith Parson's full presentation of the new policy during the final plenary session.

Moderated by Professors Rassweiler, Abbou, Wiklund and Knoll, the initial surgical session began with interventions in the upper urinary tract, with the procedures transmitted via the massive screens of the EURO auditorium. Prof. Guazzoni (Milan, IT)



Members of the audience use 3D glasses in some live surgery sessions

EAU Section of Uro-Technology

performed an innovative LESS robotic pyeloplasty, while Prof. Stolzenburg demonstrated the use of 3D technology in retroperitoneal laparoscopic partial nephrectomy.

Meanwhile, Prof. Tunc (Ankara, TR) performed an extremely rapid laparoscopic nephrectomy with a direct upper pole access technique, which was followed by the standard technique for robotic partial nephrectomy expertly demonstrated by Prof. A. Mottrie. Advanced stone surgery techniques were then highlighted, with Prof. Traxer demonstrating his flexible ureteroscopic management of stones in caliceal diverticula and Dr. Breda and Giusti collaborating to perform supine PCNL and flexible ureteroscopy. Finally, a pre-recorded video of a laparoscopic pudendal nerve decompression performed by Prof. Erdogru of Istanbul was screened.

#### Moderated sessions

The second session moderated by Professors Artibani, Dasgupta, Laguna and Skolarikos began with a difficult robotic radical prostatectomy case performed by Prof. Wiklund in a patient with advanced disease. Professors Alcaraz and Ribal (Barcelona, ES) then showed the possibility of NOTES nephrectomy using 3D vision through a flexible transvaginal camera. This was followed by Greenlight PVP surgery performed by Professors Bachmann (Basel, CH) and Tubaro (Rome, IT). Prof. Piechard then presented the technique for extended robotic lymphadenectomy in prostate cancer. The session moved on to innovations in bladder imaging, with a presentation of Narrow Band Imaging (NBI) and Photo Dynamic Diagnosis (PDD) through digital cystoscopy by Prof. Malavaud (Toulouse, FR). A novel imaging, SPIES (Storz Professional Image Enhancement System), which provides higher detail through modification of color contrast was showcased by Prof. Lapini, in combination with PDD for a bipolar-resection of bladder tumours.

The third and final surgical session included an interesting mix of upper and lower tract techniques, and was moderated by Professors. De la Rosette, Michel, Burchardt and Annerstedt. A quick and practical BPH treatment, Urolift, was demonstrated by Professors Sievert and Woo, with the case completed in 10 minutes. In other BPH cases, Prof. Carmignani (Milan, IT) performed a TULEP technique, while Prof. Pfizenmaier (Bielefeld, DE) performed a prostate vaporisation.

Prof. Liatsikos (Patras, GR) then demonstrated his technique for single-site laparoscopic nephrectomy using 3D vision assistance. Near the end of the session, two interesting pre-recorded videos were shown, with a novel robotic-assisted flexible ureteroscopic system presented by Prof. Saglam (Ankara, TR) and Prof. Janetschek's video of a pelvic lymphadenectomy assisted by ICG (Indocyanine Green dye). Concluding the very successful meeting, closing remarks were given by Prof. van Velthoven.



Hands-on ureteroscopy course

An important aspect of ESUT's efforts in promoting technological advances is the education and training of younger urologists. ESUT (in collaboration with EULIS and ERUS) actively participates in hands-on-courses organised by the European School of Urology.



Hands-on laparoscopy course

These courses are always very popular and, since space is limited, are often sold-out even before the start of the congress.

A variety of courses in minimally invasive surgical techniques was available again this year and eagerly awaited by participants. Basic laparoscopic courses were offered, with experienced tutors demonstrating basic techniques in pelvi-trainers. More advanced laparoscopic surgeons could take courses in LESS techniques, where the details of single-site surgery were explored in greater depth. For the endoscopic treatment of BPH, a course on bipolar TURP was presented, and trainees refined their skills using a simulator in complex cases.

Greenlight prostate vaporization courses were also available, and participants can choose either basic or advanced skills lessons. A virtual reality model replicated the surgical experience for trainees, and

sessions were enriched with surgical videos and tips from the expert tutors. For the management of urolithiasis, courses in endourology and ureterorenoscopy were available. Trainees also had the opportunity to become familiar with the wide range of equipment used (baskets, wires, lasers, etc), and to perform flexible ureteroscopy and lithotripsy in models. A course in robotic surgery was also offered, and reservations were needed due to very limited slots. The course took trainees through the basics of robotic surgery, from the efficient use of the console, drills for improving hand-eye coordination to finishing the standard steps of robotic surgery.

Members of the ESUT were also actively involved in ESU courses and presentations. These two to three-hour long courses are a great opportunity for participants to become acquainted with specific details of a technique or the management of a specific entity. ESUT members were responsible for some of the more popular courses, including a flexible ureterorenoscopy course by Prof. Traxer, a PCNL course by Professors Liatsikos and Knoll, a robotic prostatectomy course by Prof. Piechard and a NOTES and mini-laparoscopy course by Prof. Rane. More advanced surgeons had the opportunity to participate in the laparoscopic and robotic cystectomy course with Professors Rassweiler and Van Velthoven.

In summary, ESUT's participation in this year's annual EAU congress focused on the exciting developments in uro-technology. We look forward to next year's congress in Stockholm for us to provide another opportunity to bring the future of urology closer to the present.

## Upcoming ESUT affiliated events

## World Congress of Endourology 2013 in New Orleans, USA

The Society of Endourology is the premier organisation whose aim is to share, teach, and report the latest state-of-the-art developments in endourology, laparoscopy, robotics, percutaneous surgery and minimally invasive surgery.



For the 31st Annual World Congress of Endourology & SWL (WCE) scheduled on October 22 to 26, 2013 in New Orleans, our scientific theme will focus on state-of-the-art advances in biomedical imaging for pre-surgical planning, intraoperative navigation and improvement of outcomes. International experts in this exciting and innovative field will cover emerging technologies on image-guided surgery such as:

- Molecular Imaging to Decrease Positive Surgical Margins;
- Nanotechnology and Urology;
- Optical Biopsy of Urothelial Carcinoma Using Confocal Endomicroscopy;
- Image fusion of MR and Ultrasound for Prostate Biopsy;
- Critical Analysis of Focal Therapies for Prostate Cancer; and
- Other specialty lectures from world-renowned speakers

Visit our website ([www.wce2013.com](http://www.wce2013.com)) for further information

#### Submit your abstracts for WCE 2013

The abstract submission site is now open. The deadline for poster and video abstracts is June 3, 2013. Submit your abstracts now at [www.wce2013.com](http://www.wce2013.com)!

#### Instructional courses

WCE2013 will also feature an expanded number of morning instructional courses, featuring international experts sharing their experiences, tips and tricks, management of complications including:

- Practical Management of Stones: Prophylaxis & Medical Management
- BPH and Incontinence
- Ablation of Small Renal Mass: Current Status
- Management of Complications After Laparoscopy & Robotics
- Robotic Prostatectomy: Step-by-Step Technique
- Endourological Treatment of Upper Urinary Tract Tumor
- Stents: What's New
- Percutaneous Surgery: Supine and Prone Approaches, Access Technique (Fluoroscopy vs. Ultrasound)
- Imaging and Uro-Radiology
- Robotic/Lap Partial Nephrectomy
- NOTES & LESS in Urology: What Can We Do Now?
- Robotic Assistant: Help Me, Don't Hurt Me
- Ureteroscopy: Rigid and Flexible Techniques

Make plans now to join us October 22 - 26, 2013, in New Orleans, Louisiana, for WCE2013. We look forward to seeing you there!