# Ureteroscopy: Tools and techniques

**Saturday, 25 March**  
**14:15 - 15:45**

**Location:** Room London, North Hall (Level 1)

**Chairs:**  
- Y. Farahat, Dubai (AE)  
- B. Geavlete, Bucharest (RO)  
- F. Qiang, Shanghai (CN)

## Aims and objectives of this session

Ureteroscopy has become the workhorse in stone management. A huge number of different scopes and disposables are available – which are really needed and why?

Poster viewing of 20 minutes. Presentations will take place on stage. Standard presentations are 2 minutes in length, followed by 2 minutes for discussion.

<table>
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<th>Poster Number</th>
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<td>218</td>
<td>Ultra-low X-ray exposure during flexible ureteroscopy in nephrolithiasis patients – how far can we go?</td>
<td>Hein S.¹, Schoenthaler M.¹, Wilhelm K.¹, Schoeb D.S.¹, Schlager D.¹, Adams F.¹, Vach W.², Miernik A.¹</td>
<td>Medical Centre - University of Freiburg, Dept. of Urology - Division of Urotechnology, Freiburg, Germany, University of Freiburg, Centre For Medical Biometry and Medical Informatics, Freiburg, Germany</td>
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<td>219</td>
<td>Which flexible ureteroscopes (digital vs optical) can easily reach the difficult lower pole calyces and have better end-tip deflection?</td>
<td>Dragoș L.B.¹, Buttice S.², Sener E.T.³, Proietti S.⁴, Ploumidis A.⁵, Iacoboaiie C.⁶, Doizi S.⁶, Berg J.⁶, Somani B.⁷, Traxer O.⁷</td>
<td>Spitalul Clinic Județean de Urgență 'Pius Branzeu' Timișoara, Dept. of Urology, Timisoara, Romania, Università Degli Studi Di Messina, Dept. of Urology, Messina, Italy, University of Freiburg, Dept. of Urology, Istanbul, Turkey, Ospedale San Raffaele, Dept. of Urology, Milan, Italy, Athens Medical Center, Dept. of Urology, Athens, Greece, Hospital Tenon, Université Pierre Et Marie Curie - Paris VI, Dept. of Urology, Paris, France, University Hospital Southampton NHS Trust, Dept. of Urology, Southampton, United Kingdom</td>
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<td>A comparison of the effects of ureteroscopy and micro ureteroscopy on renal vascularization and intrapelvic pressure</td>
<td>Caballero-Romeu J-P.¹, Galán-Llopis J-A.², Soria F.³, Morcillo-Martin E.³, Caballero-Pérez P.⁴, De La Cruz-Conty J-E.⁵, Romero-Maroto J.⁵</td>
<td>Fisabio-Isablo, Dept. of Urology, Alicante, Spain, University Hospital of Vinalopó, Dept. of Urology, Alicante, Spain, Jesús Usón Minimally Invasive Surgery Center, Endoscopy Unit, Cáceres, Spain, University of Alicante, Dept. of Community Nursing, Preventive Medicine and Public Health and History, Alicante, Spain, University Clinical Hospital of San Juan, Dept. of Urology, Alicante, Spain</td>
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<td>221</td>
<td>Predictive factors of insertion failure of ureteral access sheath for flexible ureteroscopy: A study about 594 procedures</td>
<td>Forzini T.¹, Lecuelle D.¹, Alegra E.¹, Becqart N.¹, Haraux E.², Saint F.¹, De Sousa P.¹</td>
<td>Amiens University Hospital, Dept. of Urology and Transplantation, Amiens, France, Amiens University Hospital, Dept. of Pediatric Surgery, Amiens, France</td>
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<td>222</td>
<td>Comparison of Holmium laser fibers: Evaluation of fiber durability and flexibility</td>
<td>Haddad M.¹, Berthe L.², Doizi S.³, Traxer O.¹</td>
<td>Sorbonne Universités, Upmc Univ Paris 06, Ap-Hp, Grc N°20, Groupe De Recherche</td>
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Impact of the curve diameter and laser setting on laser fiber fracture
By: Haddad M. 1, Emiliani E. 1, Doizi S. 1, Rouchausse Y. 2, Coste F. 2, Berthe L. 2, Traxer O. 1
Institutes: 1Tenon Hospital, Dept. of Urology, Paris, France, 2Ecole Nationale Des Arts Et Metiers, PIMM Laboratory, Paris, France

How to perform the dusting technique for calcium oxalate stones during Ho:YAG lithotripsy
By: Lee J.W. 1, Park J. 2, Cho M.C. 2, Jeong H. 2, Son H. 2, Cho S.Y. 2, Oh J.K. 3
Institutes: 1Dongguk University Ilsan Hospital, Dept. of Urology, Goyang, South Korea, 2Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Dept. of Urology, Seoul, South Korea, 3Gachon University Gil Medical Center, Gachon University College of Medicine, Dept. of Urology, Incheon, South Korea

Comparison between the possibilities of holmium and thulium laser in lithotripsy in vitro
By: Glybochko P. 1, Altshuler G. 2, Vinarov A. 1, Rapoport L. 1, Enikeev M. 1, Grigoriev N. 1, Enikeev D. 1, Sorokin N. 1, Dymov A. 1, Sukhanov R. 1, Taratkin M. 1, Zamyatina V. 1
Institutes: First Moscow State Medical University of I.M. Sechenov, Research Institute of Uroprophology and Reproductive Health, Moscow, Russia, IPG Medical, Dept. of Photonics, Oxford, United States of America, NTO IRE-Polus, Dept. of Photonics, Moscow, Russia

Evaluation of the New Moses technology of Holmium laser lithotripsy: Initial clinical experience
By: Ibrahim A. , Carrier S., Andonian S., Elhilali M.
Institutes: McGill University Health Center, Dept. of Urology, Montreal, Canada

Viability and biocompatibility of an adhesive system for intrarenal embedding and endoscopic removal of small residual fragments in minimally-invasive stone treatment in an in vivo pig model
By: Hein S. 1, Schoenthaler M. 1, Schoeb D.S. 1, Grunwald I. 2, Richter K. 2, Brandmann M. 2, Haberstroh J. 2, Bronsert P. 2, Wetterauer U. 5, Miernik A. 1
Institutes: 1Medical Centre - University of Freiburg, Dept. of Urology - Division of Urotechnology, Freiburg, Germany, 2Fraunhofer Institute For Manufacturing Technology and Advanced Materials IFAM, Bremen, Germany, Dept. of Adhesive Bonding Technology and Surfaces, Bremen, Germany, 3Medical Centre - University of Freiburg, Dept. of Experimental Surgery, CEMT-FR, Freiburg, Germany, 4Medical Centre - University of Freiburg, Institute of Pathology, Freiburg, Germany, 5Medical Centre - University of Freiburg, Dept. of Urology, Freiburg, Germany

Development and validation of a novel abrasion-based method to assess biofilms on ureteral stents
By: Buhmann M. 3, Abt D. 1, Altenried S. 2, Betschart P. 1, Zumstein V. 1, Schmid H.-P. 1, Maniura-Weber K. 2, Ren Q. 2
Institutes: 1Kantonsspital St. Gallen, Dept. of Urology, St. Gallen, Switzerland, 2Swiss Federal Laboratories For Materials Science and Technology, Dept. of Materials Meet Life, Laboratory for Biointerfaces, St. Gallen, Switzerland, 3Swiss Federal Laboratories for Materials Science and Technology, Dept. of Materials Meet Life, Laboratory for Biointerfaces, St. Gallen, Switzerland

A Likert analysis about double J stent related urinary symptoms assessed by the Ureteric Stent Symptoms Questionnaire (USSQ) after semirigid and flexible ureteroscopy (RIRS)
By: Bosio A., Alessandria E., Peretti D., Dalmasso E., Destefanis P., Passera R., Gontero P.
Institutes:Città Della Salute E Della Scienza Di Torino - Molinette Hospital, Dept. of Urology, Turin, Italy

Initial experience with Allium™ & Uventa™ stent for the management of ureteric strictures and leak
By: Suntharasivam T.¹, Samuel M¹, Thomas D¹, Rix D¹, Haslam P.², William R.², Shaw M.¹, Rogers A.¹

Institutes: ¹Freeman Hospital, Dept. of Urology, Newcastle upon Tyne, United Kingdom, ²Freeman Hospital, Dept. of Radiology, Newcastle upon Tyne, United Kingdom

Intestinal colonization resistance is associated with hyperoxaluria in the patients with recurrent pyelonephritis

By: Stepanova N., Stashevska N., Driyanska V., Kolesnyk M.

Institutes: State Institution Institute of Nephrology of The National Academy of Medical Sciences, Dept. of Nephrology, Kyiv, Ukraine