Ureteroscopy: Tools and techniques

**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?

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

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**Ultra-low X-ray exposure during flexible ureteroscopy in nephrolithiasis patients – how far can we go?**

*By:* 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

*Institutes:* Medical Centre - University of Freiburg, Dept. of Urology - Division of Urotechnology, Freiburg, Germany, ²University of Freiburg, Centre For Medical Biometry and Medical Informatics, Freiburg, Germany

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**Which flexible ureteroscopes (digital vs optical) can easily reach the difficult lower pole calyces and have better end-tip deflection?**

*By:* Dragoş L.B.¹, Buttice S.², Sener E.T.³, Proietti S.⁴, Ploumidis A.⁵, Iacoboiaie C.⁶, Doizi S.⁶, Berg J.⁶, Somani B.⁷, Traxer O.⁶

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**A comparison of the effects of ureteroscopy and micro ureteroscopy on renal vascularization and intrapelvic pressure**

*By:* Caballero-Romeu J-P.¹, Galán-Llopis J-A.², Soria F.³, Morcillo-Martín E.³, Caballero-Pérez P.⁴, De La Cruz-Conty J-E.³, Romero-Maroto J.²

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**Predictive factors of insertion failure of ureteral access sheath for flexible ureteroscopy: A study about 594 procedures**

*By:* Forzini T.¹, Lecuelle D.¹, Alezra E.¹, Becquart N.¹, Haraux E.², Saint F.¹, De Sousa P.¹

*Institutes:* Amiens University Hospital, Dept. of Urology and Transplantation, Amiens, France, ²Amiens University Hospital, Dept. of Pediatric Surgery, Amiens, France

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**Comparison of Holmium laser fibers: Evaluation of fiber durability and flexibility**

*By:* Haddad M.¹, Berthe L.¹, Doizi S.¹, Traxer O.¹

*Institutes:* Sorbonne Universités, Upmc Univ Paris 06, Ap-Hp, Grc N°20, Groupe De Recherche
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: Tenon 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
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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.³
Institutes: First Moscow State Medical University of I.M. Sechenov, Research Institute of Uroeprolohy and Reproductive Health, Moscow, Russia, ²IPG Medical, Dept. of Photonics, Oxford, United States of America, ³NTO 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

Withdrawn
By:
Institutes:

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.³, Bronsert P.⁴, Wetterauer U.⁵, Miernik A.¹
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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, ⁴Swiss 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: ¹Città 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
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