Poster Session 41

Percutaneous nephrolithotomy

Sunday, 26 March
14:00 - 15:30

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

**Chairs:**
- T. Bach, Hamburg (DE)
- M.R. Desai, Naidad (IN)
- G. Giusti, Basiglio (IT)

**Aims and objectives of this session**

PCNL seems to be on the rise again, after two decades of ESWL and URS. The evolution of techniques and instruments have optimized the outcome and minimalized the morbidity.

Poster 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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**Value of CROES, S.T.O.N.E nomograms and Guy’s stone score as preoperative predictive system for percutaneous nephrolithotomy (PCNL) outcomes**

By: De Nunzio C.¹, Bellangino M.¹, Voglino O.A.¹, Baldassarri V.¹, Pignatelli M.², Berardi E.², Tema G.¹, Cremona A.², Tubaro A.¹

**Institutes:** Sant'Andrea Hospital - Sapienza University, Dept. of Urology, Rome, Italy, Sant'Andrea Hospital - Sapienza University, Dept. of Radiology, Rome, Italy

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**External validation and comparison of the scoring systems (S.T.O.N.E, GUY, CROES, S-ReSC) for predicting percutaneous nephrolithotomy outcomes: A single center experience with 506 cases**

By: Yarımoglu S., Bozkurt I.H., Aydogdu O., Yonguc T., Gunlusoy B., Eker A., Degirmenci T.

**Institutes:** Izmir Bozyaka Training and Research Hospital, Dept. of Urology, Izmir, Turkey

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**Can Guy’s and S.T.O.N.E. scores predict the outcome of percutaneous nephrolithotomy in children?**


**Institutes:** Mansoura University, Dept. of Urology, Mansoura, Egypt

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**Preoperative predictors of infection complications in PCNL surgery. A prospective study**


**Institutes:** La Fe, Universitary and Polytechnic Hospital, Dept. of Urology, Valencia, Spain

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**Validation of automated kidney stone volumetry in low dose computed tomography**

By: Wilhelm K.¹, Hein S.¹, Schlager D.¹, Adams F.¹, Miernik A.¹, Schoenthaler M.², Hesse A.², Neubauer J.³

**Institutes:** Faculty of Medicine and Medical Center - University of Freiburg, Center For Surgery Department of Urology, Freiburg, Germany, University of Bonn, Department of Urology, Division of Experimental Urology, Bonn, Germany, Faculty of Medicine and Medical Center - University of Freiburg, Department of Radiology, Freiburg, Germany

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**Safety and efficacy of percutaneous nephrolithotripsy (PNL) in supine versus prone position: A randomized controlled trial**

By: Abouelgreed A.¹, Elgendy M², Abdelaal M.², Shebl S.², Sabry K.², Ibrahim S.²

**Institutes:** Gulf Medical University, Dept. of Urology, Ajman, United Arab Emirates, Alazhar University, Dept. of Urology, Cairo, Egypt

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**Papillary versus non papillary puncture in percutaneous nephrolithotomy: A prospective...**
randomized trial
By: Kallidonis P., Kyriazis I., Kotsiris D., Ntasiotis P., Koutava A., Panagopoulos V., Kamal W., Liatsikos E.
Institutes: University of Patras University Hospital, Dept. of Urology, Patra, Greece

Supra-costal access for percutaneous nephrolithotomy in modified supine position: Feasibility, safety and efficacy
By: El Harrech Y.¹, Zaini R.², Ghoundal O.¹, Touiti D.¹
Institutes: Military Hospital Avicenne, Dept. of Urology, Marrakech, Morocco, ²Military Hospital, Dept. of Urology, Guelmim, Morocco

Stereotactic two access micro percutaneous nephrolithotomy: In vivo pig model experience
By: Telli O.¹, Hajiyev P.¹, Bagci U.², Soygur T.¹, Burgu B.¹
Institutes: ¹Ankara University School of Medicine, Dept. of Pediatric Urology, Ankara, Turkey, ²Ankara University School of Medicine, Dept. of Urology, Ankara, Turkey

In vitro assessment of the hydrodynamic clearance of stone fragments and dust in percutaneous nephrolithotomy instruments
By: Mager R.¹, Balzeriet C.², Herrmann T.², Nagele U.⁴, Haferkamp A.¹, Schilling D.⁵
Institutes: ¹University Medical Center Mainz, Dept. of Urology, Mainz, Germany, ²ExperTeach GmbH, Dept. of Physics, Dietzenbach, Germany, ³Hanover Medical School, Dept. of Urology and Urologic Oncology, Hanover, Germany, ⁴General Hospital Hall, Dept. of Urology and Andrology, Hall in Tyrol, Austria, ⁵Isarkliniken Munich, Dept. of Urology, Munich, Germany

A comparison among PCNL, miniperc and ultraminiperc for lower calyceal stones between 1 and 2 cm: A multicenter experience
By: Maruccia S.¹, Sanguedolce F.², Casellato S.¹, Dal Piaz O.³, Montanari E.⁴, Pummer K.³, Verze P.⁶, Miron V.⁵, Taverna G.⁵, Romero Otero J.⁷, Bozzini G.⁶
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Outcome of mini versus standard percutaneous nephrolithotomy for renal stones
By: Elmarakbi A.², Ghoneima W.¹, Elsheemy M.¹, Ibrahim H.³, Habib E.¹, Khadgi S.⁴, Shrestha S.⁴, Al-Kandari A.⁵
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A prospective, randomized trial evaluating the efficacy of two different hemostatic sealant in tubeless percutaneous nephrolithotomy
By: Kim S.H.², Yoon B.I.³, Choi Y.S.¹, Kim K-S.¹, Lee K-W.¹, Choi S.W.¹, Bae W.J.¹, Ha U-S.¹, Lee J-Y.¹, Kim S-W.¹, Hong S-H.¹, Cho H.J.¹
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A prospective randomized controlled study of instantly phase-II tubeless percutaneous nephrolithotomy
By: Folin L., Xiaofeng Z., Rihai X., Yuanhu Y., Gengqing W., Xiaoning W., Guoxi Z., Dazhi L.
Institutes: First Affiliated Hospital of Gannan Medical University, Dept. of Urology, Ganzhou, China

CT-controlled stone-free-rate after minimal-invasive percutaneous nephrolitholapaxy (MIP) in correlation with instrument-size
Percutaneous nephrolithotomy in patients with spina bifida and spinal injury: A comparative analysis of over 4000 patients, from a national registry

By: Withington J.¹, Fowler S.², Armitage J.N.³, Finch W.J.G.⁴, Irving S.O.⁴, Burgess N.A.⁵, Glass J.M.⁵, Wiseman O.J.³

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