

Percutaneous nephrolithotomy

Poster Session 41

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.

- 545 **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:¹Sant'Andrea Hospital - Sapienza University, Dept. of Urology, Rome, Italy, ²Sant'Andrea Hospital - Sapienza University, Dept. of Radiology, Rome, Italy
- 546 **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: Yarimoglu 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
- 547 **Can Guy's and S.T.O.N.E. scores predict the outcome of percutaneous nephrolithotomy in children?**
By: Elshal A., El-Nahas A., Shoma A., Elsayy A., Abouelkheir R., El-Kenawy M., Nabeeh M., Shokeir A.
Institutes:Mansoura University, Dept. of Urology, Mansoura, Egypt
- 548 **Preoperative predictors of infection complications in PCNL surgery. A prospective study**
By: Ordaz Jurado D.D.G., Lorenzo L., Budia A., López-Acón D., Bahilo P., Pérez Ardavin J., Trassierra M., Boronat F.
Institutes:La Fe, University and Polytechnic Hospital, Dept. of Urology, Valencia, Spain
- 549 **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.¹, Hesse A.², Neubauer J.³
Institutes:¹Faculty of Medicine and Medical Center - University of Freiburg, Center For Surgery Department of Urology, Freiburg, Germany, ²University of Bonn, Department of Urology, Division of Experimental Urology, Bonn, Germany, ³Faculty of Medicine and Medical Center - University of Freiburg, Department of Radiology, Freiburg, Germany
- 550 **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:¹Gulf Medical University, Dept. of Urology, Ajman, United Arab Emirates, ²Alazhar University, Dept. of Urology, Cairo, Egypt
- 551 **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
- 552 **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:¹Military Hospital Avicenne, Dept. of Urology, Marrakech, Morocco, ²Military Hospital, Dept. of Urology, Guelmim, Morocco
- 553 **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
- 554 **In vitro assessment of the hydrodynamic clearance of stone fragments and dust in percutaneous nephrolithotomy instruments**
By: Mager R.¹, Balzereit C.², Herrmann T.³, 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
- 555 **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.⁵, Mirone V.⁵, Taverna G.⁶, Romero Otero J.⁷, Bozzini G.⁶
Institutes:¹Istituti Clinici Zucchi, Dept. of Urology, Monza, Italy, ²Northampton General Hospital, Dept. of Urology, London, United Kingdom, ³Graz General Hospital, Dept. of Urology, Graz, Austria, ⁴Ospedale Policlinico, Dept. of Urology, Milan, Italy, ⁵Università Federico II, Dept. of Urology, Naples, Italy, ⁶Humanitas Mater Domini, Dept. of Urology, Castellanza, Italy, ⁷Hospital 12 De Octubre, Dept. of Urology, Madrid, Spain
- 556 **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
Institutes:¹Cairo University, Dept. of Urology, Cairo, Egypt, ²Bani Swaif University, Dept. of Urology, Bani Swaif, Egypt, ³Fayoum University, Dept. of Urology, Fayoum, Egypt, ⁴Vayodah and Venus International Hospitals, Dept. of Urology, Kathmandu, Nepal, ⁵Kuwait University, Dept. of Surgery and Urology, Kuwait, Kuwait
- 557 **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
Institutes:¹The Catholic University of Korea, Seoul St. Mary's Hospital, Dept. of Urology, Seoul, South Korea, ²The Catholic University of Korea, St. Paul's Hospital, Dept. of Urology, Seoul, South Korea, ³Catholic Kwandong University, International St. Mary's Hospital, Dept. of Urology, Incheon, South Korea
- 558 **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
- 559 **CT-controlled stone-free-rate after minimal-invasive percutaneous nephrolitholapaxy (MIP) in correlation with instrument-size**

By: Schachtner J.R.¹, Tokas T.¹, Kitzbichler G.¹, Habicher M.¹, Herrmann T.², Nagele U.¹
Institutes:¹Landeskrankenhaus Hall, Dept. of Urology and Andrology, Hall in Tirol, Austria, ²Hanover Medical School (MHH), Dept. of Urology and Urooncology, Hanover, Germany

560

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.⁴, Glass J.M.⁵, Wiseman O.J.³

Institutes:¹Royal Free Hospital, Dept. of Urology, London, United Kingdom, ²British Association of Urological Surgeons, Dept. of Audit and Data, London, United Kingdom, ³Addenbrooke's Hospital, Dept. of Urology, Cambridge, United Kingdom, ⁴Norfolk and Norwich University Hospital, Dept. of Urology, Norwich, United Kingdom, ⁵Guy's and St Thomas' NHS Foundation Trust, Dept. of Urology, Norwich, United Kingdom