# Extracorporeal shock wave lithotripsy

**Poster Session 03**

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

**Chairs:** K.H. Andreassen, Frederiksberg (DK)  
R. Cleveland, Boston (US)

**Aims and objectives of this session**

ESWL was been the method of first choice in stone treatment for two decades. Endourology has now taken this role of many indications. However, the idea of (almost) no-touch stone disintegration is convincing and new technological developments may turn back the clock.

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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<td>CT texture analysis of ex vivo renal stones predicts ease of fragmentation with shock wave lithotripsy</td>
<td>Devlies W. ², Cui H. ¹, Ravenscroft S. ³, Heers H. ⁴, Freidin A. ⁵, Cleveland R. ⁵, Turney B. ¹</td>
<td>University of Oxford, Oxford Stone Group, Oxford, United Kingdom, ²KU Leuven, Faculty of Medicine, Leuven, Belgium, ³University of Oxford, Medical Sciences Division, Oxford, United Kingdom, ⁴Philippus-Universität Marburg, Dept. of Urology and Paediatric Urology, Marburg, Germany, ⁵University of Oxford, Kennedy Institute of Rheumatology, Oxford, United Kingdom</td>
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<td>Predictive factors of the outcome of extracorporeal shockwave lithotripsy in the treatment of upper urinary tract stones: Evidence from a prospective study</td>
<td>Quaresima L., Pretore E., Moroni L., Galosi A.B.</td>
<td>Polytechnic University of The Marche Region, Dept. of Urology, Ancona, Italy</td>
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<td>Prediction for success rate of shock wave lithotripsy using mean stone density-stone heterogeneity index ratio calculating Hounsfield unit on non-contrast computed tomography</td>
<td>Jeong W.S., Kang D.H., Cho K.S., Ham W.S., Choi Y.D., Lee J.Y.</td>
<td>Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Dept. of Urology, Seoul, South Korea</td>
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<td>Ultrasonography is not inferior to fluoroscopy to guide extracorporeal shock waves during treatment of renal and upper ureteric calculi: A randomized prospective cohort study</td>
<td>Van Besien J., Uvin P., Merckx L.</td>
<td>AZ Sint Lucas Ghent, Dept. of Urology, Ghent, Belgium</td>
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<td>Pretreatment with low energy shockwaves and a 3-minute pause reduces markers of renal injury in patients undergoing extracorporeal shockwave lithotripsy</td>
<td>Ilyas R., Young G., Chow K.</td>
<td>University Hospital of South Manchester NHS Foundation Trust, Dept. of Urology, Manchester, United Kingdom</td>
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<td>Ultraslow high power SWL versus slow power ramping SWL in stones with high attenuation value</td>
<td>Al-Dessoukey A. ¹, Abdallah M. ¹, Sayed O. ¹, Abdallah R. ¹, Moussa A. ¹, Zayed A. ², Elmarakby A. ¹, Massoud A. ¹</td>
<td>Beni Suef University, Dept. of Urology, Cairo, Egypt, ²Theodor Bilharz research institute, Dept. of Urology, Giza, Egypt</td>
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<td>38</td>
<td>Dual shockwave and using high-flow oxygen administration by nasal cannula (HFONC) may</td>
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**Scientific Programme**

**EAU London 2017**
**Poster Session 03**

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**improve lithotripsy results**
*By:* [Gatkin M.](#), [Sopotov A.](#), [Raikin I.](#)
*Institutes:* Zdorovie Center, Dept. of Urology, Barnaul, Russia

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**Ureteral stenting can be a negative predictor for successful outcome following shock wave lithotripsy in patients with ureteral stones**
*Institutes:* Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Dept. of Urology, Seoul, South Korea

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**Adjuvant alpha blockers to extracorporeal shock wave lithotripsy: A randomized controlled trial**
*Institutes:* Grenoble University Hospital, Dept. of Urology, Grenoble Cedex 9, France

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**Does previous stone surgery affect the outcome of SWL treatment in adults with kidney stones?**
*Institutes:* Cerrahpasa Medical Faculty, Dept. of Urology, Istanbul, Turkey, *Acibadem University, Dept. of Urology, Istanbul, Turkey, Cerrahpasa Medical Faculty, Dept. of Anesthesiology, Istanbul, Turkey

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**Does shockwave lithotripsy impair urine pH? Results of the prospective Swiss Kidney Stone Cohort register**
*Institutes:* University Hospital Bern, Dept. of Urology and Nephrology, Bern, Switzerland, *University Hospital Zurich, Dept. of Urology and Nephrology, Zurich, Switzerland, University Hospital Basel, Dept. of Urology and Nephrology, Basel, Switzerland, *University Hospital Geneva, Dept. of Urology and Nephrology, Geneva, Switzerland, *University Hospital Lausanne, Dept. of Urology and Nephrology, Lausanne, Switzerland

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**Extracorporeal shock-wave lithotripsy (ESWL) for renal stones is associated with decreased kidney function after long term follow-up**
*Institutes:* University Hospital of Zurich, Dept. of Urology, Zurich, Switzerland, *University Hospital of Zurich, Dept. of Pathology of Molecular Pathology, Zurich, Switzerland, *University Hospital of Zurich, Horten Centre for Patient Oriented Research and Knowledge Transfer, Zurich, Switzerland

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**Extracorporeal shock wave lithotripsy (ESWL) monotherapy in children; predictors of successful outcome**
*Institutes:* South Valley University, Dept. of Urology, Qena, Egypt

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**Urinary tract infections raise risk for renal hematoma after shock-wave lithotripsy**
*By:* [Schregel C.](#), [John H.](#), [Keller I.](#), [Randazzo M.](#)
*Institutes:* Kantonsspital Winterthur, Dept. of Urology, Winterthur, Switzerland