Experts in Stone Disease
Cape Town
December 10 - 13
2014

Jointly with the 4th Biennial Meeting of the SAES

PROGRAMME

www.esdconference.com

Experts in Ageing
Male Disease

featuring the official launch of the Experts in Ageing Male Disease
Experts in Stone Disease

Cape Town
December 10-13
2014

Jointly with the 4th Biennial Meeting of the SAES

PROGRAMME

www.esdconference.com
Contents

Welcome Message ......................................................................................................................... 3
Organisation – Committees ........................................................................................................... 4
Faculty List .................................................................................................................................. 4
Supporting Organisations ............................................................................................................. 5
General Information ..................................................................................................................... 6
Scientific Information ................................................................................................................... 7
Sponsors and Exhibitors ................................................................................................................ 8
Exhibition Floor Plan ................................................................................................................... 9
Programme Overview ................................................................................................................ 10
Detailed Scientific Programme

  Wednesday • December 10, 2014 ............................................................................................. 12
  Thursday • December 11, 2014 ............................................................................................... 14
  Friday • December 12, 2014 ................................................................................................... 19
  Saturday • December 13, 2014 .............................................................................................. 24
Free Presentations Catalogue ....................................................................................................... 25
Video Presentations Catalogue ..................................................................................................... 29
Poster Presentations Catalogue ................................................................................................... 31
Index of Speakers, Chairpersons, Moderators and Authors ...................................................... 39
Welcome Message

After a very successful launch of our 1st ESD – Experts in Stone Disease Meeting in Dubai in December 2012, we are now pleased to welcome you to our 2nd ESD Conference in beautiful Cape Town, from the 10th to the 13th December 2014.

Thanks to the support of many urological and “stone” societies, we have been able to put together an exciting programme, which will address all aspects of stone disease from molecule to staghorn, from crystal to rock, from diet to surgery. This unique multidisciplinary platform unites all stakeholders in stone disease from researchers, physicians and dieticians to surgeons, not to forget the manufacturers of all tools and drugs that are so essential in our daily stone business.

There will be a multitude of keynote lectures delivered by an internationally renowned Faculty, unedited live-commented interactive video demonstration of the latest surgical techniques, and intensive Hands-on workshops on PCNL, URS, stenting, ESWL, and metabolic stone disease. Delegates will have the opportunity to present their own work in several ePoster and video sessions chaired by eminent experts in the field.

Excitingly, we are also launching two new initiatives in Urology and for urologists. Saturday the 13th of December 2014 will see the official launch of the EAMD – Experts in Ageing Male Disease, with an inaugural symposium covering many aspects of the ageing male from erectile dysfunction, lower urinary tract symptoms, metabolic syndrome and lifestyle, to prostate and penile cancer prevalent to that age group. International experts have been invited to deliver state-of-the art lectures. Additionally, you will have the opportunity to participate in a unique half-day course that will teach you as a busy professional, how to cope with stress and find the right work-life balance. In such way relaxed, you will be able to enjoy the delights of one of the most vibrant and exciting cities in the southern hemisphere.

We are warm-heartedly extending our welcome to you to this stimulating Conference, and friendly gathering among friends.

On behalf of the Organising Board,

Noor Buchholz
Chairman ESD
Director U-Merge
London, United Kingdom

Allen Rodgers
Co-Chairman ESD 2014
University of Cape Town
Cape Town, South Africa
Organisation – Committees

Organising Committee
Chairman: Noor Buchholz (United Kingdom) – U-Merge Director
Co-Chairmen: Allen Rodgers (South Africa) – University of Cape Town
                Marius Conradie (South Africa) – SAES President
Members: Mohammed Elfatih El Howairis (United Arab Emirates) – ESD 2012 Co-Chairman
        Kemal Sarica (Turkey) – EULIS Chairman
        Jens Rassweiler (Germany) – ESUT Chairman

Advisory Committee
Hammad Ather (Pakistan) – U-Merge Representative
Jean De La Rosette (The Netherlands) – CIE Co-Chairman
Saeed Khan (USA) – Basic Research Advisor
Saima Salahuddin (United Kingdom) – Translational General Medicine Advisor
Olivier Traxer (France) – CIE Co-Chairman

Invited Faculty
Göran Ahlgren (Sweden)
Peter Alken (Germany)
Mohammad Alomar (Saudi Arabia)
Hammad Ather (Pakistan)
Noor Buchholz (United Kingdom)
Christian Chaussey (Germany)
Marius Conradie (South Africa)
Janak Desai (India)
Mohamed Elfatih El Howairis (United Arab Emirates)
Ahmed Refat El-Nahas (Egypt)
Juan Galán (Spain)
Giovanni Gambino (Italy)
Arvind Ganpule (India)
Petrisor Geavlete (Romania)
Danny Gohel (Hong Kong)
Andreas Gross (Germany)
Milad Hanna (United Kingdom)
Saeed Khan (USA)
Thomas Knoll (Germany)
Dirk Kok (The Netherlands)
Willem Laubscher (South Africa)
John Lazarus (South Africa)
Junaid Masood (United Kingdom)
Emiola Oluwabunmi Olapade-Olaopa (Nigeria)
Palle Osther (Denmark)
Athanasios Papatsoris (Greece)
Kandarp Parikh (India)
Kris Penniston (USA)
Paul Porteous (South Africa)
Jens Rassweiler (Germany)
José Reis Santos (Portugal)
William Robertson (United Kingdom)
Allen Rodgers (South Africa)
Darren Rowland (Australia)
Saima Salahuddin (United Kingdom)
Kemal Sarica (Turkey)
Peter Saunders (United Kingdom)
Roswitha Siener (Germany)
Zuhair Sikaf (United Arab Emirates)
Michael Straub (Germany)
Heinrich Teichmann (Germany)
Hans-Göran Tiselius (Sweden)
Alberto Trinchieri (Italy)
Christian Türk (Austria)
Burak Turna (Turkey)
Andre Van der Merwe (South Africa)
Cornelius Jeremias Van Graan (South Africa)
Byron Walmsley (United Kingdom)
Eric Wespes (Belgium)
James Williams (USA)
Supporting Organisations

- University of Cape Town
- Endourological Society
- Section of Urolithiasis (EULIS) - European Association of Urology (EAU)
- Section of Uro-Technology (ESUT) - European Association of Urology (EAU)
- South African Endourology Society (SAES)
- South African Urological Association (SAUA)
- Société Internationale d’Urologie (SIU)
- Pan African Urological Surgeons Association
- Nepal Association of Urological Surgeons
- Russian Endourological Association
- Urological Society of Australia and New Zealand
- International Alliance of Urolithiasis
General Information

Conference Dates
Wednesday, December 10, 2014 to Saturday, December 13, 2014

Conference Venue
The Westin Cape Town Hotel
Convention Square, Lower Long Street
8001 Cape Town, South Africa

Conference Organising Bureau
Erasmus Conferences Tours & Travel S.A.
1, Kolofontos & Evridikis street
16121 Athens, Greece
T. +30 210 7414700 (call center), F. +30 210 7257532
E. info@esdconference.com, W. www.esdconference.com; www.erasmus.gr

Registration

<table>
<thead>
<tr>
<th>Registration category</th>
<th>On-site fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consultants &amp; Senior Scientists</td>
<td>€ 600</td>
</tr>
<tr>
<td>Trainees and Junior Scientists*</td>
<td>€ 450</td>
</tr>
<tr>
<td>Hands-On Training Workshops 1, 2, 3, 5, 6, 7, 8, 9 (per workshop)</td>
<td>€ 100</td>
</tr>
<tr>
<td>Hands-On Training Workshop 4 (JESS)</td>
<td>€ 60</td>
</tr>
<tr>
<td>Hands-On Training Workshop 10 (PC-NL for stress)</td>
<td>€ 200</td>
</tr>
<tr>
<td>EAMD Sessions**</td>
<td>€ 200</td>
</tr>
</tbody>
</table>

* Proof of status required. A proof of status is an official letter written in English by the Head of Clinic/Department on official letterhead.
** Applies to local urologists who wish to attend ONLY the EAMD Sessions. Full registration (all categories) includes participation in the EAMD Sessions.

Full registration fees include the following privileges:
• Admittance to all scientific sessions
• Admittance to the Opening Ceremony and the Welcome Reception
• Admittance to the Exhibition area
• Conference documentation and material
• Certificate of Attendance
• Coffee, refreshments and lunch during official Conference breaks
On-site Secretariat Desk
The Secretariat Desk will be operating at the venue during the Conference as follows:

- **Wednesday**, December 10, 2014  12:00-17:30
- **Thursday**, December 11, 2014  08:00-19:00
- **Friday**, December 12, 2014  08:00-16:00
- **Saturday**, December 13, 2014  08:00-13:00

Accreditation
The 2nd ESD “Experts in Stone Disease” Conference is accredited by the European Board of Urology for **18 hours of European CME credits**. The EBU works according to the rules and quality standards of the European Accreditation Council for Continuing Medical Education (EACCME).

Internet Access
Wireless internet connection is available in the exhibition area throughout the Conference.

Official Language
The official language of the Conference is English.

Certificate of Attendance
All registered delegates will receive a Certificate of Attendance.

Scientific Information

Speakers Preview Desk *(located at the backside of the main Auditorium “Plenary Room”)*
To ensure the smooth running of the Conference, speakers and presenting authors are kindly requested to have their presentations delivered to the Speakers Preview Desk in a timely manner; thus, presentations are to be handed in at least one (1) hour before the beginning of the session or the day before, for early morning sessions.

ePosters
All ePosters will be on display throughout the Conference in the designated ePosters area.
A list of all poster presentations can be found on pages 32-39.

Publication and Webcasting
Selected scientific sessions and ePosters will be webcasted after the Conference in the SIU Academy e-learning portal (www.siu-academy.org).
The abstract texts of all free, video and ePoster presentations of the Conference will be published in Springer’s *Urolithiasis journal.*
Sponsors and Exhibitors

PLATINUM SPONSOR

OLYMPUS
Your Vision, Our Future

SILVER SPONSORS

Boston Scientific
Advancing science for life
Cook Medical
pnnmedical
STORZ
Karl Storz - Endoscopy

BRONZE SPONSORS

EMS
Liga Laser Products
LUT GmbH
Polydiagnost
PORGES
Coloplast division
ROCAMED
Richard Wolf

EXHIBITORS

Cambridge University Press
Murdoch University

Siemens
STORZ MEDICAL

SUPPORT

CAPE TOWN & WESTERN CAPE CONVENTION BUREAU
A division of WESGRO
### Programme Overview

**Wednesday • December 10, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00-15:10</td>
<td>Main Auditorium (Ballroom East)</td>
<td>PLENARY SESSION 1: Supporting societies lectures</td>
</tr>
<tr>
<td>15:10-15:45</td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>15:45-17:30</td>
<td></td>
<td>PLENARY SESSION 2: Salts and sorrows</td>
</tr>
<tr>
<td>19:30-22:30</td>
<td></td>
<td>Welcome Reception</td>
</tr>
</tbody>
</table>

**Thursday • December 11, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:30</td>
<td>Main Auditorium (Ballroom East)</td>
<td>PLENARY SESSION 3: Classifications, models and concepts</td>
</tr>
<tr>
<td>10:30-11:00</td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00-12:30</td>
<td>Break-out Room 1 (Francis Drake)</td>
<td>HANDS-ON TRAINING 1: PCNL 1</td>
</tr>
<tr>
<td>11:00-13:00</td>
<td></td>
<td>HANDS-ON TRAINING 1: PCNL 1</td>
</tr>
<tr>
<td>11:00-12:30</td>
<td>Break-out Room 2 (Ballroom West)</td>
<td>FREE PRESENTATIONS SESSION 1: ESWL and general stone management</td>
</tr>
<tr>
<td>13:00-14:00</td>
<td></td>
<td>Lunch Break</td>
</tr>
<tr>
<td>13:00-14:00</td>
<td></td>
<td>ePOSTER VIEWING SESSION 1: Stones, scopes and shocks</td>
</tr>
<tr>
<td>13:30-14:00</td>
<td></td>
<td>ePOSTER VIEWING SESSION 2: Basic research 1</td>
</tr>
<tr>
<td>14:00-15:35</td>
<td></td>
<td>HANDS-ON TRAINING 2: URS 1</td>
</tr>
<tr>
<td>14:00-15:35</td>
<td>Break-out Room 3 (Do Game / Disc)</td>
<td>FREE PRESENTATIONS SESSION 2: PCNL</td>
</tr>
<tr>
<td>15:35-16:00</td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16:00-17:35</td>
<td></td>
<td>HANDS-ON TRAINING 3: Stents</td>
</tr>
<tr>
<td>16:00-17:35</td>
<td></td>
<td>FREE PRESENTATIONS SESSION 2: PCNL</td>
</tr>
<tr>
<td>17:30-19:00</td>
<td></td>
<td>HANDS-ON TRAINING 4: JESS</td>
</tr>
</tbody>
</table>
### Friday • December 12, 2014

**Main Auditorium** (Ballroom East)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-09:30</td>
<td>PLENARY SESSION 7: Education and Pathogenesis</td>
</tr>
<tr>
<td>09:30-09:50</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>09:50-12:15</td>
<td>PLENARY SESSION 8: URS and conservative treatments / therapeutic protocols</td>
</tr>
<tr>
<td>10:30-12:00</td>
<td>HANDS-ON TRAINING 5: PCNL 2</td>
</tr>
<tr>
<td>12:15-13:30</td>
<td>Lunch Break / Prayer Break</td>
</tr>
<tr>
<td>13:30-16:00</td>
<td>PLENARY SESSION 9: Stents, Scopes and Stones</td>
</tr>
<tr>
<td>13:30-15:00</td>
<td>HANDS-ON TRAINING 6: URS 2</td>
</tr>
</tbody>
</table>

**Break-out Room 1** (Ballroom West)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-09:30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>09:30-09:50</td>
<td></td>
</tr>
<tr>
<td>09:50-12:15</td>
<td></td>
</tr>
<tr>
<td>10:30-12:00</td>
<td></td>
</tr>
</tbody>
</table>

**Break-out Room 2** (Ca  Game / Dia)  

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:00</td>
<td>VIDEO SESSION 2: URS and stents</td>
</tr>
<tr>
<td>10:30-12:00</td>
<td>FREE PRESENTATIONS SESSION 3: The focus of future stone research</td>
</tr>
</tbody>
</table>

**Break-out Room 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>09:00-09:15</td>
<td></td>
</tr>
<tr>
<td>09:30-12:00</td>
<td></td>
</tr>
<tr>
<td>10:30-12:00</td>
<td></td>
</tr>
</tbody>
</table>

### Saturday • December 13, 2014

**Main Auditorium** (Ballroom East)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:40</td>
<td>EAMD PLENARY SESSION 1: Hormones and LUTS</td>
</tr>
<tr>
<td>10:40-11:10</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:10-13:00</td>
<td>EAMD PLENARY SESSION 2: Cancer of the elderly male</td>
</tr>
</tbody>
</table>

**Break-out Room 2** (Ballroom West)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:00</td>
<td>HANDS-ON TRAINING 9: PC-NL for stress (Professionals' Counselling with Neuro-Linguistic programming)</td>
</tr>
<tr>
<td>10:00-11:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00-13:00</td>
<td>HANDS-ON TRAINING 9: PC-NL for stress (continued)</td>
</tr>
</tbody>
</table>
### Detailed Scientific Programme

**Wednesday • December 10, 2014**

**Hall: Main Auditorium (Ballroom East)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00-15:10</td>
<td><strong>PLENARY SESSION 1: SUPPORTING SOCIETIES LECTURES</strong></td>
</tr>
<tr>
<td>13:00-13:05</td>
<td>Welcome – ESD</td>
</tr>
<tr>
<td></td>
<td>A. Rodgers</td>
</tr>
<tr>
<td>13:05-13:10</td>
<td>Welcome – SAES</td>
</tr>
<tr>
<td></td>
<td>M. Conradie</td>
</tr>
<tr>
<td>13:10-13:25</td>
<td><strong>ENDUROLOGICAL SOCIETY LECTURE:</strong> Stones, bones and scones - Nutritional aspects of stone disease</td>
</tr>
<tr>
<td></td>
<td>K. Penniston</td>
</tr>
<tr>
<td>13:25-13:40</td>
<td><strong>ESUT LECTURE:</strong> Learning from errors – Applying aviation safety concepts to medicine</td>
</tr>
<tr>
<td></td>
<td>J. Rassweiler</td>
</tr>
<tr>
<td>13:40-13:55</td>
<td><strong>U-MERGE LECTURE:</strong> Overcoming training hurdles in the developing world</td>
</tr>
<tr>
<td></td>
<td>H. Ather</td>
</tr>
<tr>
<td>13:55-14:10</td>
<td><strong>SAUA LECTURE:</strong> PCNL in abnormal kidneys</td>
</tr>
<tr>
<td></td>
<td>A. van der Merwe</td>
</tr>
<tr>
<td>14:10-14:25</td>
<td><strong>PAUSA LECTURE:</strong> British training and urological practice in Sub-Saharan Africa</td>
</tr>
<tr>
<td></td>
<td>O. Olapade - Olaopa</td>
</tr>
<tr>
<td>14:25-14:40</td>
<td><strong>SAES LECTURE:</strong> Vascular anomalies of the kidneys and the association with stone formation</td>
</tr>
<tr>
<td></td>
<td>M. Conradie</td>
</tr>
<tr>
<td>14:40-14:55</td>
<td><strong>UCT LECTURE:</strong> Urolithiasis research: a multidisciplinary, scientific challenge</td>
</tr>
<tr>
<td></td>
<td>A. Rodgers</td>
</tr>
<tr>
<td>14:55-15:10</td>
<td><strong>SIU LECTURE:</strong> Open stone surgery – Alive, dying, dead?</td>
</tr>
<tr>
<td></td>
<td>P. Geavlete</td>
</tr>
<tr>
<td>15:10-15:45</td>
<td><strong>Coffee Break</strong></td>
</tr>
</tbody>
</table>
15:45-17:30 **PLENARY SESSION 2: SALTS AND SORROWS**

**15:45-16:25 DEBATE: Abnormal supersaturation of urinary salts is the main cause of renal stone formation**
Moderator: H.-G. Tiselius
Chairpersons: D. Kok, J. Williams

15:45-16:00  **Pro**
W. Robertson

16:00-16:15  **Contra**
A. Rodgers

16:15-16:25  Discussion

**16:25-17:30 GRUMPY OLD MEN SESSION**
Moderator: T. Knoll
Chairpersons: P. Geavlete, C. Tuerk

16:25-16:30  **Introduction**
N. Buchholz

16:30-16:45  **Moaning about metabolics in stone disease**
H.-G. Tiselius

16:45-17:00  **Moaning about epidemiology**
A. Rodgers

17:00-17:15  **Moaning about ESWL**
C. Chaussy

17:15-17:30  **Moaning about endourology**
P. Alken

**19:30-22:30 Welcome Reception**
Thursday • December 11, 2014

**PLENARY SESSION 3: CLASSIFICATIONS, MODELS AND CONCEPTS**

*Chairpersons: A. Rodgers, J. Rassweiler, J. Masood*

08:30-08:35  
*Welcome – ESD*  
N. Buchholz

08:35-08:40  
*Welcome – SAUA*  
A. van der Merwe

08:40-09:00  
*THE CHRIS HEYNS MEMORIAL LECTURE: Memories of Mandela*  
W. Laubscher

09:00-09:15  
*The multidisciplinary approach to patient safety – The anaesthetist’s perspective*  
P. Saunders

09:15-09:30  
*The animal model: immuno-pathological insights into stone formation and treatment*  
S. Khan

09:30-09:45  
*What’s new in EAU guidelines on stones?*  
C. Tuerk

09:45-10:00  
*The in vitro model: crystallization studies – Insights into stone formation and treatment*  
D. Kok

10:00-10:15  
*From Clavien to PULS – Attempts to classify complications in endourology*  
A. Papa
torsis

10:15-10:30  
*The theoretical model: chemical speciation – Insights into stone formation and treatment*  
A. Rodgers

10:30-11:00  
Coffee Break

**PLENARY SESSION 4: PCNL AND “THE BASICS” OF STONE RESEARCH**

*Chairpersons: K. Sarica, W. Robertson, P. Osther*

11:00-11:15  
*Positions, positions, positions – The Kamasutra of PCNL*  
J. Masood

11:15-11:30  
*Changes in the epidemiology of stone disease during the past 50 years: what have we learned?*  
J. Reis Santos

11:30-11:50  
*UNEDITED VIDEO: Supine PCNL*  
Live comment: J. Galán

11:50-12:05  
*Delving deep into the structure and ultrastructure of stones: insights into their pathogenesis and potential treatment*  
J. Williams
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:05-12:20</td>
<td>Mini, micro, ultra PCNL – Is smaller really better? T. Knoll</td>
</tr>
<tr>
<td>12:20-12:35</td>
<td>Urinary risk ratios, quotients and indices for practitioners and stone researchers: recommendations and rejections D. Kok</td>
</tr>
<tr>
<td>12:35-12:50</td>
<td>Drug-eluding stents in urology A. Papatsoris</td>
</tr>
<tr>
<td>12:50-12:55</td>
<td>Industry sponsored presentation</td>
</tr>
</tbody>
</table>

**Hall: Break-out Room 1 (Francis Drake)**

### 11:00-12:30 HANDS-ON TRAINING 1: PCNL 1

**Chairperson:** A. van der Merwe  
**Faculty:** A. Trinchieri, M. Alomar, M. Straub

- **11:00-11:10** PCNL – How I do it  
  A. Trinchieri
- **11:10-11:20** US or Xray guided puncture?  
  M. Straub
- **11:20-11:30** Tube, tubeless or JJ?  
  M. Alomar
- **11:30-12:30** Hands-on training on models

**Hall: Break-out Room 3 (Da Gama / Diaz)**

### 11:00-12:30 FREE PRESENTATIONS SESSION 1: ESWL AND GENERAL STONE MANAGEMENT

**Chairpersons:** C. Tuerk, C. Chaussy, H.-G. Tiselius, M. Hanna

- **11:00-11:10** Which machine: mobile or fixed? West or East?  
  C. Chaussy
- **11:10-11:20** SWL – A dinosaur?  
  H.-G. Tiselius
- **11:20-11:30** Complications of SWL and how to avoid them  
  M. Hanna
- **11:30-12:30** Free Presentations **FP01-FP08** (See page 26)

**13:00-14:00** Lunch Break

**Hall: Break-out Room 2 (Ballroom West)**

### 13:00-13:30 ePOSTER VIEWING SESSION 1: STONES, SCOPES AND SHOCKS

**Moderators:** C. Tuerk, A. Papatsoris, J. Galán  
**Poster Presentations** **PP01-PP10** (See pages 32-33)
### ePOSTER VIEWING SESSION 2: BASIC RESEARCH 1

**Moderators:** D. Kok, S. Khan, A. Trinchieri  
**Poster Presentations:** PP11-PP20 (See pages 33-34)

### PLENARY SESSION 5: PCNL, DIET AND LIFESTYLE

**Chairpersons:** T. Knoll, M. Straub, R. Siener

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Update on PCNL – The CROES study results</td>
<td>A. Papatsoris</td>
</tr>
<tr>
<td>14:15</td>
<td>Is there an ideal diet for calcium oxalate kidney stone patients? What to avoid, what to maintain and what to increase</td>
<td>R. Siener</td>
</tr>
<tr>
<td>14:30</td>
<td>UNEDITED VIDEO: UMP Live comment</td>
<td>J. Desai</td>
</tr>
<tr>
<td>14:50</td>
<td>LITHOSCREEN: a nutritional and lifestyle screening tool – Pros, cons and interesting findings</td>
<td>W. Robertson</td>
</tr>
<tr>
<td>15:05</td>
<td>The 1cm calyceal stone – How to approach?</td>
<td>A. Trinchieri</td>
</tr>
<tr>
<td>15:20</td>
<td>Niersteen.com: an internet based interactive dietary and lifestyle assessment “e-tool” – Pros, cons and interesting findings</td>
<td>D. Kok</td>
</tr>
</tbody>
</table>

### HANDS-ON TRAINING 2: URS 1

**Chairperson:** M. Alomar  
**Faculty:** P. Porteous, K. Parikh, M.E. El Howairis

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>IURS – How I do it</td>
<td>P. Porteous</td>
</tr>
<tr>
<td>14:10</td>
<td>Access sheath – Curse or blessing?</td>
<td>K. Parikh</td>
</tr>
<tr>
<td>14:20</td>
<td>Lasers - what you need to know and never dared to ask</td>
<td>M.E. El Howairis</td>
</tr>
<tr>
<td>14:30</td>
<td>Hands-on training on models</td>
<td></td>
</tr>
</tbody>
</table>

### VIDEO SESSION 1: PCNL

**Chairpersons:** C. van Graan, B. Turna, A. El-Nahas

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Laparoscopy or PCNL? What and when?</td>
<td>C. van Graan</td>
</tr>
</tbody>
</table>
14:10-14:20  PCNL for staghorn stones  
M. El Nahas

14:20-14:30  Pediatric PCNL: mini, ultra-mini or micro?  
B. Turna

14:30-15:30  Video Presentations VP01-VP06 (See page 30)

15:35-16:00  Coffee Break

**16:00-17:35**  PLENARY SESSION 6: SWL AND LITHOGENIC RISK FACTORS

Chairpersons: C. Chaussy, J. Williams, A. Gross

16:00-16:15  You have all the tools? What SWL can do for you  
H.-G. Tiselius

16:15-16:30  Urinary macromolecular risk factors: what are they and should we be measuring them in the work-up of stone patients?  
S. Khan

16:30-16:50  UNEDITED VIDEO: Micro-perc  
Live comment: A. Ganpule

16:50-17:05  Lithogenic/diagnostic risk factors in blood and urine: what are they and what do they tell us?  
A. Trinchieri

17:05-17:20  The machine has no brain – Use your own  
C. Chaussy

17:20-17:35  “Hyper” and “hypo” risk factors for stone disease: different things to different people. Is there a need for universal standardisation?  
H.-G. Tiselius

**Hall: Main Auditorium (Ballroom East)**

**16:00-17:30**  HANDS-ON TRAINING 3: STENTS

Chairperson: J. Reis Santos  
Faculty: M.E. El Howairis, P. Osther, A. Papatsoris

16:00-16:10  Indications for metal ureteric stents  
M.E. El Howairis

16:10-16:20  Nitinol spiral ureter stents  
P. Osther

16:20-16:30  Covered nitinol mesh stents and the Resonance stent  
A. Papatsoris

16:30-17:30  Hands-on training on models

**Hall: Break-out Room 2 (Ballroom West)**
Hall: Break-out Room 3 (Da Gama / Diaz)

16:00-17:30  FREE PRESENTATIONS SESSION 2: PCNL

Chairpersons: B. Turna, B. Walmsley, J. Lazarus

16:00-16:10  PCNL in children
             B. Walmsley

16:10-16:20  The Locator: further clinical experience with a novel PCNL navigation device
             J. Lazarus

16:20-16:30  PCNL in children – Indications, tips and tricks
             B. Turna

16:30-17:30  Free Presentations FP09-FP16 (See page 27)

Hall: Break-out Room 1 (Francis Drake)

17:30-19:00  HANDS-ON TRAINING 4: JESS

Chairperson: A. Rodgers
Faculty: D. Rowland

17:30-17:45  What is JESS?
             D. Rowland

17:45-18:00  Applications of JESS in kidney stone research
             A. Rodgers

18:00-19:00  Hands-on training JESS
### Friday • December 12, 2014

**Hall: Main Auditorium (Ballroom East)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairpersons</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>08:00-09:30</strong></td>
<td><strong>PLENARY SESSION 7: EDUCATION AND LITHOGENESIS</strong></td>
<td>P. Alken, O. Olapade-Olaopa, G. Ahlgren</td>
</tr>
<tr>
<td>08:00-08:15</td>
<td>Furthering urological education in Africa – Challenges and opportunities</td>
<td>O. Olapade-Olaopa</td>
</tr>
<tr>
<td>08:15-08:30</td>
<td>What about non calcium stones? Uric acid and cystine nephrolithiasis: recent developments in diagnosis and treatment – Basic and clinical aspects</td>
<td>G. Gambaro</td>
</tr>
<tr>
<td>08:30-08:45</td>
<td>Teaching and training lessons across the drapes – What can we learn from each other</td>
<td>P. Saunders</td>
</tr>
<tr>
<td>08:45-09:00</td>
<td>Metabolic stone disease: recent developments in diagnosis and treatment – Basic and clinical aspects</td>
<td>W. Robertson</td>
</tr>
<tr>
<td>09:00-09:15</td>
<td>The concept of EULIS - brothers and sisters in stone</td>
<td>K. Sarica</td>
</tr>
<tr>
<td>09:15-09:30</td>
<td>Role of co-morbidities in the assessment of stone formation</td>
<td>A. Trinchieri</td>
</tr>
</tbody>
</table>

**Hall: Break-out Room 3 (Da Gama / Diaz)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairperson: P. Porteous</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>08:30-10:00</strong></td>
<td><strong>VIDEO SESSION 2: URS AND STENTS</strong></td>
<td>M. Straub, P. Geavlete</td>
</tr>
<tr>
<td>08:30-08:40</td>
<td>Disposables for URS: the good, the needed and the ugly</td>
<td>P. Porteous</td>
</tr>
<tr>
<td>08:40-08:50</td>
<td>fURS: how big is too big?</td>
<td>M. Straub</td>
</tr>
<tr>
<td>08:50-09:00</td>
<td>How to protect your flexible scope</td>
<td>P. Geavlete</td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>Video Presentations VP07-VP12 (See pages 30-31)</td>
<td></td>
</tr>
<tr>
<td>09:30-09:50</td>
<td>Coffee Break</td>
<td></td>
</tr>
</tbody>
</table>

**Hall: Main Auditorium (Ballroom East)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairpersons: J. Rassweiler, A. Rodgers, A. Trinchieri</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09:50-12:15</strong></td>
<td><strong>PLENARY SESSION 8: URS AND CONSERVATIVE TREATMENTS / THERAPEUTIC PROTOCOLS</strong></td>
<td></td>
</tr>
<tr>
<td>09:50-10:05</td>
<td>fURS: complications and how to avoid them</td>
<td>P. Geavlete</td>
</tr>
<tr>
<td>10:05-10:20</td>
<td>Oxalate degrading bacteria: what are the prospects for clinical use?</td>
<td>R. Siener</td>
</tr>
</tbody>
</table>
10:20-10:40 VIDEO: Flexible URS, O. Traxer
Presenter: N. Buchholz

10:40-10:55 Herbal remedies in the management of urolithiasis: future prospects?
D. Gohel

10:55-11:10 Stone lasers
J. Lazarus

11:10-11:25 The different citrate formulations: are there any meaningful differences in terms of their respective efficacies?
P. Osterh

11:25-11:40 To stent or not to stent after URS?
M. Alomar

11:40-11:55 Current mechanistic theories of stone formation: an overview
H.-G. Tiselius

11:55-12:10 How to improve longevity of your scope?
K. Parikh

12:10-12:15 Industry sponsored presentation

Hall: Break-out Room 1 (Francis Drake)

10:30-12:00 HANDS-ON TRAINING 5: PCNL 2

Chairperson: A. Ganpule
Faculty: C. van Graan, J. Desai, J. Masood

10:30-10:40 PCNL – How I do it
J. Masood

10:40-10:50 Intracorporeal lithotripters
J. Desai

10:50-11:00 Laparoscopic pyelolithotomy – An alternative to PCNL?
C. van Graan

11:00-12:00 Hands-on training on models

Hall: Break-out Room 3 (Da Gama / Diaz)

10:30-12:00 FREE PRESENTATIONS SESSION 3: THE FOCUS OF FUTURE STONE RESEARCH

Moderator: S. Khan
Faculty: G. Gambaro, J. Reis Santos, J. Williams, K. Penniston

10:30-10:40 What is the priority area for future stone research? Where should the focus lie? An urologist’s point-of-view
J. Reis Santos

10:40-10:50 What is the priority area for future stone research? Where should the focus lie? A nephrologist’s point-of-view
G. Gambaro
10:50-11:00  What is the priority area for future stone research? Where should the focus lie? A basic scientist's point-of-view  
J. Williams

11:00-12:00  Free Presentations FP17-FP21 (See page 28)

12:15-13:30  Lunch Break • Prayer Break

Hall: Break-out Room 2 (Ballroom West)

12:30-13:00  ePOSTER VIEWING SESSION 3: PCNL  
Moderators: M. Straub, M. Conradie, M. Hanna  
Poster Presentations PP21-PP30 (See pages 34-35)

Hall: Break-out Room 3 (Da Gama / Diaz)

12:30-13:00  ePOSTER VIEWING SESSION 4: BASIC RESEARCH 2  
Moderators: P. Osther, G. Gambaro, R. Siener  
Poster Presentations PP31-PP39B (See pages 35-37)

Hall: Break-out Room 2 (Ballroom West)

13:00-13:30  ePOSTER VIEWING SESSION 5: URS  
Moderators: K. Parikh, A. Papatsoris, H. Ather  
Poster Presentations PP40-PP50 (See pages 37-38)

Hall: Break-out Room 3 (Da Gama / Diaz)

13:00-13:30  ePOSTER VIEWING SESSION 6: BASIC RESEARCH 3  
Moderators: D. Gohel, W. Robertson, J. Reis Santos  
Poster Presentations PP51-PP60 (See pages 38-39)

Hall: Main Auditorium (Ballroom East)

13:30-15:40  PLENARY SESSION 9: STENTS, SCOPES AND STONES  
Chairpersons: P. Osther, H.-G. Tiselius, S. Khan

13:30-13:45  Recent basic science studies which show exciting promises/prospects for the future: an editor-in-chief's perspective  
W. Robertson

13:45-14:05  VIDEO: Metal stenting of the ureter  
LIVE comment: P. Osther

14:05-14:20  Recent clinical trials in urolithiasis which show exciting promise/prospects for the future  
J. Reis Santos

14:20-14:35  Mini, micro, ultra PCNL - a way forward in children?  
K. Sarica

14:35-14:50  Back to the future: basic science outlook and challenges for the “e-tech” age ahead  
P. Osther
14:50-15:05  *Randall’s plaque: current understanding of its role in stone pathogenesis*  
G. Gambaro

15:05-15:25  VIDEO: *fURS - guided SWL*, O. Traxer  
Presenter: N. Buchholz

15:25-15:40  *Role of oxidative stress in stone formation*  
S. Khan

15:40-16:00  VIDEO ESD 2016  
N. Buchholz (ESD Chairman), J. Desai (Co-Chairman ESD 2016)  
VIDEO CIE 2015  
N. Buchholz  
VIDEO EULIS 2015  
J. Galán

### 13:30-15:00 HANDS-ON TRAINING 6: URS 2

**Chairperson:** A. Gross  
**Faculty:** A. El-Nahas, J. Rassweiler

- **13:30-13:40**  *Disposables for URS – The good, the bad and the ugly*  
  A. El-Nahas

- **13:40-13:50**  *Robotic URS – Vision or mere gadget?*  
  J. Rassweiler

- **13:50-14:00**  *Nightmares in URS – And how to get out of it*  
  A. Gross

- **14:00-15:00**  Hands-on training on models

### 13:30-15:00 HANDS-ON TRAINING 7: NOVEL TECHNOLOGIES IN UROLOGY – A GLIMPSE OF THE FUTURE

**Chairperson:** M.E. El Howairis  
**Faculty:** A. Ganpule, M. Straub

- **13:30-13:40**  *Disposable flexible URS – Why-when and how?*  
  A. Ganpule

- **13:40-13:50**  *Current treatment algorithm for ureteric strictures – Where do metal stents fit in?*  
  M. Straub

- **13:50-14:00**  *Micro-perc – More than just cracking stones?*  
  A. Ganpule

- **14:00-15:00**  Hands-on training on models
**Hall: Break-out Room 2 (Ballroom West)**

**15:30-17:00**  **HANDS-ON TRAINING 8: METABOLIC STONE DISEASE**

Chairperson: K. Sarica  
Faculty: W. Robertson, D. Gohel

- **15:30-15:40**  
  Which urine components do I need for calculating reliable values for the supersaturation of stone forming salts?  
  A. Rodgers

- **15:40-15:50**  
  Which lithogenic risk factors should I determine in blood?  
  P. Osther

- **15:50-16:00**  
  Should I send stones for analysis? What analyses should I request and how should I prepare the stone samples?  
  J. Williams

- **16:00-16:10**  
  What dietary and lifestyle data should I record and how should I do so?  
  A. Trinchieri

- **16:10-16:20**  
  What dietary advice should I offer a patient who has CaOx, CaP or uric acid stones?  
  R. Siener

- **16:20-16:40**  
  Metabolic nightmare cases for panel discussion  
  W. Robertson

- **16:40-17:00**  
  Metabolic nightmare cases for panel discussion  
  D. Gohel

---

**Hall: Break-out Room 3 (Da Gama / Diaz)**

**15:30-17:00**  **FREE PRESENTATIONS SESSION 4: URS, LAPAROSCOPIC STONE SURGERY AND TRAINING**

Chairperson: P. Alken  
Faculty: M. Conradie, Z. Sikafi

- **15:30-15:40**  
  Laparoscopic stone surgery – Points of technique  
  M. Conradie

- **15:40-15:50**  
  Ethical dilemmas in private practice – How to keep clean  
  Z. Sikafi

- **15:50-16:00**  
  From apprenticeship to virtual reality – Changing training concepts over time  
  P. Alken

- **16:00-17:00**  
  Free Presentations **FP22-FP29** (See pages 28-29)
14:50-15:05  Randall's plaque: current understanding of its role in stone pathogenesis  
            G. Gambaro

15:05-15:25  VIDEO: fURS - guided SWL, O. Traxer  
            Presenter: N. Buchholz

15:25-15:40  Role of oxidative stress in stone formation  
            S. Khan

15:40-16:00  VIDEO ESD 2016  
            N. Buchholz (ESD Chairman), J. Desai (Co-Chairman ESD 2016)  
            VIDEO CIE 2015  
            N. Buchholz  
            VIDEO EULIS 2015  
            J. Galán

**Hand: Break-out Room 1 (Francis Drake)**

**13:30-15:00  HANDS-ON TRAINING 6: URS 2**

Chairperson: A. Gross  
Faculty: A. El-Nahas, J. Rassweiler

13:30-13:40  Disposables for URS – The good, the bad and the ugly  
            A. El-Nahas

13:40-13:50  Robotic URS – Vision or mere gadget?  
            J. Rassweiler

13:50-14:00  Nightmares in URS – And how to get out of it  
            A. Gross

14:00-15:00  Hands-on training on models

**Hand: Break-out Room 3 (Da Gama / Diaz)**

**13:30-15:00  HANDS-ON TRAINING 7: NOVEL TECHNOLOGIES IN UROLOGY – A GLIMPSE OF THE FUTURE**

Chairperson: M.E. El Howairis  
Faculty: A. Ganpule, M. Straub

13:30-13:40  Disposable flexible URS – Why-when and how?  
            A. Ganpule

            M. Straub

13:50-14:00  Micro-perc – More than just cracking stones?  
            A. Ganpule

14:00-15:00  Hands-on training on models
Free Presentations Catalogue

**FREE PRESENTATIONS SESSION 1: ESWL and general stone management**

**FP01**  
*Does pre-SWL fluid intake affect disperse of stone fragments during SWL procedure?*  
O. Yılmaz, F. Saracoglu, M. Zor, T. Senkul, E. Malkoc, H. Soydan, Y. Cumhur  
Department of Urology, GATA Haydarpaşa Training Hospital, Istanbul, Turkey

**FP02**  
*A success rate of kidney stone treatment by extracorporeal shockwave lithotripsy (ESWL) relate to Hounsfield Unit (HU). What's more in Thailand?*  
N. Downsamer, S. Panichwitgul  
Department of Urology, Surin Hospital, Institute of Medicine, Suranaree University of Technology, Surin, Thailand

**FP03**  
*Percutaneous nephrolithotomy versus extracorporeal shockwaves lithotripsy for treatment of a 20-30 mm single renal pelvis stone*  
M. Hassan, A.R. El-Nahas, K.Z. Sheir, N.A. El-Tabey, A.M. El-Assmy, A.A. Shokeir  
Urology Department, Urology and Nephrology Center, Mansoura University, Mansoura, Egypt

**FP04**  
*Meta-analysis of randomized controlled trials on adjunctive medical expulsive therapy for kidney and ureteral stone fragments following shock wave lithotripsy*  
B. Adamu¹, S.U. Alhassan¹, E.E. Effa²  
¹ Bayero University, Kano, Nigeria  
² University of Calabar Teaching Hospital, Calabar, Nigeria

**FP05**  
*Renal parenchyma-sparing pelvic and calyceal stone removal: laparoscopic pyelotomy*  
O. Reichelt, T. Weirich, A. Mohammed  
Department of Urology, Aue, Germany

**FP06**  
*Changing trends in the management of urolithiasis and the current role of open surgery in our context*  
J.L. Baidya  
B&B Hospital, Lalitpur, Nepal

**FP07**  
*Contemporary stone management in Jordan*  
A.N. Al Shunaiga  
Jordanian Association of Urological Surgeons, Amman, Jordan

**FP08**  
*Handling thromboprophylaxis and patients with bleeding diathesis in minimally invasive stone procedures*  
L. Durner¹, A. Bourdoumis¹, J. Masood², N. Buchholz³  
¹ The Royal London Hospital, London, United Kingdom  
² Homerton University Hospital, London, United Kingdom  
³ U-Merge, London, United Kingdom
FREE PRESENTATIONS SESSION 2: PCNL

FP09 Ultrasound(US)-guided Microperc in oblique-supine position: first experience
N. Macchione, M. Catellani, E. Montanari
A.O. San Paolo-Università degli Studi di Milano, Milan, Italy

FP10 Pre-operative MSU culture may help prevent, but stone culture helps predict post-operative sepsis risk at PCNL
R. Cetti, W. Ranasinghe, L. Boucher, P. McCahy
Monash Health, Melbourne, Australia

FP11 Tubeless percutaneous nephrolithotomy for lower calyceal stones is a cost effective and ideal management in Indian setting – A single centre study
D. Mishra, A. Chawla
Department of Urology, Kasturba Medical College, Manipal University, Manipal, India

FP12 Percutaneous nephrolithotomy for staghorn stone: various values affecting stone free rate and complications
H.J. Cho1, S.W. Choi1, K.S. Kim1, J.H. Kim1, Y.H. Park1, W.J. Bae1, U.-S. Ha2, S.-H. Hong1, J.Y. Lee1, S.W. Kim1, T.-K. Huang1
1 Seoul St. Mary’s Hospital, Seoul, Korea Republic
2 Yeouido St. Mary’s Hospital, Seoul, Korea Republic

FP13 Factors affecting stone free rate and complications of Percutaneous Nephrolithotomy: a single center analysis over 10 years
H.J. Cho1, S.W. Choi1, K.S. Kim1, J.H. Kim1, Y.H. Park1, W.J. Bae1, U.-S. Ha2, S.-H. Hong1, J.Y. Lee1, S.W. Kim1, T.-K. Huang1
1 Seoul St. Mary’s Hospital, Seoul, Korea Republic
2 Yeouido St. Mary’s Hospital, Seoul, Korea Republic

FP14 Day care Percutaneous Nephrolithotomy (PCNL) in rural Indian setup
P.M. Mulawkar, G.S. Panpaliya, G.R. Bhat
Tirthankar Superspeciality Hospital, Gaddam Plots, Akola Maharashtra, India

FP15 Ultra-mini PCNL vs. flexible ureteroscopy: a matched-pair analysis of costs of treatment (expendable materials) in patients with renal stones 10-20 mm
M. Schoenthaler1, K. Wilhelm1, S. Hein1, A. Bourdoumis2, A. Hawizy2, J. Desai3, A. Miernik1
1 Department of Urology, University Medical Centre, Freiburg, Germany
2 Endourology and Stone Services, Royal London Hospital, Barts and The London NHS Trust, London, United Kingdom
3 Department of Urology, Samved Hospital, Ahmedabad, India

FP16 Minimal access management of urinary stones in toddlers and children – Our experience
T.M. Samarasinghe, A. Weerackody, N. Lamahewage, S.K. Chadrasekara
Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka
FREE PRESENTATIONS SESSION 3: THE FOCUS OF FUTURE STONE RESEARCH

FP17 Link between nephrolithiasis and the metabolic syndrome?
C. Dzien, C. Dzien-Bischinger, A. Dzien
Medical Center Hentschelhof, Innsbruck, Austria

FP18 WITHDRAWN

FP19 Comparison of the histopathologic ureteral wall changes during different techniques of ureteroscopic lithotripsy
I. Orlov, S. Popov, D. Chernysheva
State Center of Endourology and New Technologies, Saint-Petersburg, Russia

FP20 Morphological study on the interaction between human macrophages and renal calculi crystals with micro technique in vitro
T. Zhi Wei, D. Yao Liang, W. Bo, L. Cheng Yang
Department of Urology, First Affiliated Hospital of Guangxi Medical University, Nan Ning, China

FP21 Characterization of the protein components of matrix stones: rare and enigmatic soft renal calculi
V. Marzano¹, L. Huang¹, C. Martelli¹, F. Iavarone¹, F. Vincenzoni¹, C. Desiderio², I. Messana³, N. Buchholz⁴, F. Zattoni⁵, P. Beltrami⁶, P.M. Ferraro⁶, M. Castagnola⁷, G. Gambardella⁷
¹ Institute of Biochemistry and Clinical Biochemistry, Catholic University, Rome, Italy
² Institute of Chemistry of Molecular Recognition, National Research Council CNR, Rome, Italy
³ Department of Life and Environmental Science, Cagliari University, Cagliari, Italy
⁴ U-Merge, London, United Kingdom
⁵ Division of Urology, University Hospital, University of Padova, Padova, Italy
⁶ Division of Nephrology, Department of Internal Medicine and Medical Specialties, Catholic University, Rome, Italy

FREE PRESENTATIONS SESSION 4: URS, LAPAROSCOPIC STONE SURGERY AND TRAINING

FP22 Stone diseases in Algeria: URS replaces slowly open surgery
H. Kouicem
Private practice, Sétif, Algeria

FP23 Improved durability of digital flexible ureteroscopes
P. Geavlete, R. Multescu, B. Geavlete
Saint John Emergency Clinical Hospital, Bucharest, Romania

FP24 Retrograde flexible ureteroscopic approach – Experience on 1,110 cases
P. Geavlete, R. Multescu, B. Geavlete
Saint John Emergency Clinical Hospital, Bucharest, Romania

FP25 Dust vs. extractable fragments: holmium laser lithotripsy mode
P. Geavlete, R. Multescu, B. Geavlete
Saint John Emergency Clinical Hospital, Bucharest, Romania
FP26 Intraoperative incidents and complications after semirigid ureteroscopies – Single center experience on 10,001 cases
P. Geavlete, R. Multescu, B. Geavlete
Saint John Emergency Clinical Hospital, Bucharest, Romania

FP27 Safety and effectiveness of Roboflex Avicenna, the new robot for flexible ureteroscopy
J. Rassweiler¹, A. Smith², R. Saglam³, O. Traxer⁴, G. Preminger⁵, D. Hoenig², Z. Tokatlı⁶, A. Armağan⁷, K. Sarica⁸, A. Müslümanoglu⁹
¹ SLK Kliniken, Heilbronn, Germany
² Smith’s Urology Clinic, New York, NY, USA
³ Medicana International Hospital, Ankara, Turkey
⁴ Marie Curie University, Tenon Hospital, Paris, France
⁵ Duke University, Durham, NC, USA
⁶ Medicana International Hospital, Ankara, Turkey
⁷ Bezmialem University, Istanbul, Turkey
⁸ Kartal Training and Research Hospital, Istanbul, Turkey
⁹ Bagcilar Training and Research Hospital, Ankara, Turkey

FP28 Outpatient endoscopic treatment of ureteric stones – 5 years’ experience in a self-contained outpatient surgery unit
J. Kirkegaard¹, U.T. Larsen², M. Borre¹, A.M. Ryhammer¹
¹ Department of Urology, Aarhus University Hospital, Skejby, Aarhus, Denmark
² Department of Anesthesiology and Intensive Care, Aarhus University Hospital, Aarhus, Denmark

FP29 Retrograde intrarenal surgery as a new surgical treatment modality of stone in horseshoe kidney: a case report
E. Kaya, S. Bedir, A. Gürağaç, Y. Kibar
Department of Urology, Gulhane Military Medical Academy, Ankara, Turkey
VIDEO SESSION 1: PCNL

**VP01** Combine Percutaneous Nephrolithotomy (PCNL) and Ureterorenoscopy (URS) for upper ureter stone
E. Kaya, A. Guragac, B. Topuz, T. Ebiloglu, A. Ismailov, S. Bedir
Gulhane Military Medical Academy, Ankara, Turkey

**VP02** Ultra-mini PCNL – Lessons learned from the initial experience
M. Schoenthaler¹, K. Wilhelm¹, C. Fahr¹, N. Buchholz², J. Desai³, A. Miernik¹
¹ Department of Urology, University Medical Centre, Freiburg, Germany
² Department of Urology, Royal London Hospital, Barts and The London NHS Trust, London, United Kingdom
³ Department of Urology, Savmed Hospital, Ahmedabad, India

**VP03** WITHDRAWN

**VP04** Staghorn kidney calculi: mini-PCNL tubeless using a flexible nephroscope
Hospital Universitario de Burgos, Burgos, Spain

**VP05** Prone ultra-mini PCNL
J. Masood¹, N. Buchholz²
¹ Homerton University Hospital, London, United Kingdom
² U-Merge, London, United Kingdom

**VP06** Supine ultra-mini PCNL
J. Masood¹, N. Buchholz²
¹ Homerton University Hospital, London, United Kingdom
² U-Merge, London, United Kingdom

VIDEO SESSION 2: URS AND STENTS

**VP07** WITHDRAWN

**VP08** Micro-URS: it had to come! Initial experience of ureteral micro-access for ureteral stone fragmentation
J.A. Galán, J.P. Caballero, A. Verges, A.J. García-Seguí, A. Amorós
Hospital del Vinalopó, Elche, Spain

**VP09** Robotic flexible ureteroscopy, safety, effectivity and early results of a new concept
O. Traxer¹, A. Smith², R. Saglam³, J. Rassweiler⁴, G. Preminger⁵, D. Hoenig⁶, S. Kabakci⁶, E. Koruk⁷, M. Binbay⁸, K. Sarica⁹
¹ Marie Curie University, Tenon Hospital, Paris, France
² Smith’s Urology Clinic, New York, NY, USA
³ Medicana International Hospital, Ankara, Turkey
⁴ SLK Kliniken, Heilbronn, Germany
VP10  Anterograde access in the treatment of a distal ureteral stone

A. Rivero Cárdenes, N. Rodríguez García, C. Manso Aparicio, F. Vesga Molina, V. Gonzalo Rodríguez, E. Gutiérrez Minguez

Hospital Universitario, Burgos, Spain

VP11  Insertion of a bladder-neck urethral Memokath

J. Masood¹, H. Damiete², M. El Howairis³, N. Buchholz⁴

¹ Homerton University Hospital, London, United Kingdom
² The Royal London Hospital, London, United Kingdom
³ Mediclinic City Hospital, Dubai, United Arab Emirates
⁴ U-Merge, London, United Kingdom

VP12  Insertion of a double-cone ureteral Memokath into an ileum conduit

J. Masood¹, A. Bourdoumis², M. El Howairis³, N. Buchholz⁴

¹ Homerton University Hospital, London, United Kingdom
² The Royal London Hospital, London, United Kingdom
³ Mediclinic City Hospital, Dubai, United Arab Emirates
⁴ U-Merge, London, United Kingdom
ePOSTER VIEWING SESSION 1: STONES, SCOPES AND SHOCKS

**PP01**  
*The effect of pre-procedure anxiety on pain perception during the SWL procedure*  
O. Yılmaz, F. Saracoglu, T. Senkul, E. Malkoc, M. Zor, F. Ates, H. Soydan  
Department of Urology, GATA Haydarpaşa Training Hospital, Istanbul, Turkey

**PP02**  
*Inhomogeneity of kidney calculi do not predict SWL success*  
F. Eichner Christiansen, K.H. Andreassen, S. Sloth Oster, P.J. Sloth Oster  
Department of Urology, Urological Research Center, Lillebaelt Hospital, University of Southern Denmark, Fredericia, Denmark

**PP03**  
*Extracorporeal shockwave lithotripsy in children. Single center experience*  
N. Iqbal¹, W. Zafar², J. Faiz²  
¹ Shifa International Hospital, Islamabad, Pakistan  
² Bahria University, Medical and Dental College, Karachi, Pakistan

**PP04**  
*Pro ESWL – Treatment in the era of modern endourology*  
R. Manu, R. Constantiniu, M.A. Manu, I. Sinescu  
Center of Uronephrology and Renal Transplantation, Fundeni Clinical Institute, Bucharest, Romania

**PP05**  
*Missed ureteric stents*  
A. Abu Zallat, A. Alquhaif, W. Algabri, M. Alkadi, A. Noman  
Urology Department, 48 Model Medical Compound, Sana’a, Yemen

**PP06**  
*Open anatrophic nephrolithotomy – Application in a constrained health system*  
K. Singh, E.H. Abdel Goad  
University of Kwa-Zulu Natal, Durban, South Africa

**PP07**  
*An unusual cause of acute urinary incontinence: migrated J-J stent*  
O. Yilmaz, U. Madenoglu, M. Zor, S. Okcelik, O. Kurul, C. Yesildal, E. Malkoc  
Department of Urology, GATA Haydarpaşa Training Hospital, Istanbul, Turkey

**PP08**  
*Panlithiasis of the urinary tract: a case for open lithotomy in the modern era*  
D. Harry, R. Dale, A. Bourdoumis  
Urology Department, Barts Health NHS Trust, London, United Kingdom

**PP09**  
*Rare congenital anomaly which imitates uretery stone symptoms: uretery duplication*  
E.O. Akay, B. Köprü, S. Yılmaz, I.Y. Ö zgök  
Department of Urology, Gulhane Military Medical Academy, Ankara, Turkey
PP10  Accuracy of retrograde pyelography in the evaluation of the renal collecting system

H. Thummar1, L. Evopodo2, K. Usama1, M. Gupta1
1 MT Sinai Health System, St Luke Roosevelt Hospital, New York, NY, USA
2 Columbia University, New York, NY, USA

PP11  Our experience in the treatment of urolithiasis with tamsulosine

I. Haxhiu1, X. Quni1, A. Haxhiu1, H. Arifi2, E. Haxhiu3, H. Ahmeti4, R. Haxhiu5, H. Aliu-Quni1
1 Department of Urology, University Clinical Center of Kosovo, Prishtina, Kosovo
2 Department of Plastic Surgery, University Clinical Center of Kosovo, Prishtina, Kosovo
3 Faculty of Medicine, University Clinical Center of Kosovo, Prishtina, Kosovo
4 Department of Pediatric Surgery, University Clinical Center of Kosovo, Prishtina, Kosovo
5 University of Rezonanca, Prishtina, Kosovo

PP12  Combined effect of tamsulosin with combination of tamsulosin and tadalafil as the medical expulsive therapy for lower ureteric stone – A randomized trial

K. Jayant1, S. Kumar2, M.M. Agrawal2, S. Kumar Singh2, R. Agrawal1, S. Agrawal1
1 Sudha Hospital and Medical Research Centre Kota, Rajasthan, India
2 Postgraduate Institute of Medical Education and Research, Chandigarh, India

PP13  The first study of urinary stone composition in the Sultanate of Oman

M.S. Al-Marhoon1, R. Bayoumi2, Y. Al-Farsi3, A. Al-Hinai2, S. Al-Maskary2, K. Venkiteswaran1, Q. Al-Busaidi1, J. Mathew1, K. Rhman1, O. Sharif1, S. Aquil1, I. Al-Hashmi1
1 Urology Division, Department of Surgery, College of Medicine and Health Sciences, Sultan Qaboos University, Muscat, Oman
2 Department of Biochemistry, College of Medicine and Health Sciences, Sultan Qaboos University, Muscat, Oman
3 Department of Family Medicine, College of Medicine and Health Sciences, Sultan Qaboos University, Muscat, Oman

PP14  Change of oxidative stress before and after ESWL for patients with ureteral stone

S.S.-S. Chen1, A.W. Chiu2
1 Division of Urology, Taipei City Hospital Renai Branch, Taipei, Taiwan
2 Department of Urology, National Yang-Ming University School of Medicine, Taipei, Taiwan

PP15  Predictors for spontaneous stone passage in patients with ureteral calculi at Emergency Department

I. Nasim, H. Ather
Aga Khan University Hospital, Karachi, Pakistan

PP16  The results of the biochemical analysis of urinary tract stones in a tertiary medical center in Turkey

F. Ateş1, Ö. Özcən2, E. Malkoc1, F. Dursun1, B. Bahar2, Ö. Yılmaz1, K. Karademir1
1 Department of Urology, GATA Haydarpasa Training Hospital, Istanbul, Turkey
2 Department of Biochemistry, GATA Haydarpasa Training Hospital, Istanbul, Turkey
PP17  Biochemical analysis of kidney stones treated with percutaneous nephrolithotomy in Turkey
F. Ateş, E. Malkoç, H. Soydan, Ö. Özcan, B. Bahar, F. Dursun
1 Department of Urology, GATA Haydarpaşa Training Hospital, Istanbul, Turkey
2 Department of Biochemistry, GATA Haydarpaşa Training Hospital, Istanbul, Turkey

PP18  M2 macrophages eliminate renal crystals by phagocytosis
Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

PP19  Pediatric urolithiasis: what role does metabolic evaluation have to play?
S. Bhatt, B. Nalini, D. Chopra, J. Thomas, D. Mishra
1 Department of Pediatrics, KMC, Manipal University, Manipal, India
2 Department of Urology, KMC, Manipal University, Manipal, India

PP20  Effects of rooibos tea on lipid peroxidation in healthy male subjects
M. Mokoena, A. Rodgers, J. Lazarus, S. de Jager, S. de Jager, H. Ackerman, I. Breytenbach
1 Department of Urology, University of Cape Town, Cape Town, South Africa
2 Department of Urology, University of Stellenbosch, Cape Town, South Africa

ePOSTER VIEWING SESSION 3: PCNL

PP21  The efficacy of peritubal analgesic infiltration in postoperative pain following percutaneous nephrolithotomy – A prospective randomized controlled study
B. Lojanapiwat, T. Chureemas
Chiang Mai, Thailand

PP22  Efficacy of endoscopic combined intrarenal surgery in the prone split-leg position for staghorn calculi
1 Toyota Kosei Hospital, Toyota, Japan
2 Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

PP23  Effect of body mass index on operative time, hospital stay, stone clearance, post operative complications and post operative analgesic requirement in patients undergoing percutaneous nephrolithotomy
D. Shohab, R. Ayub, M.U. Alam, A. Butt, S. Sheikh, S. Asad, S. Akhter
1 Shifa International Hospital, Islamabad, Pakistan
2 Shifa College of Medicine, Islamabad, Pakistan
3 Amna Butt, Islamabad, Pakistan
Outcome of Pediatric Percutaneous Nephrolithotomy (PCNL) - Single center experience

N. Iqbal¹, G. Nawaz², D. Shohab¹, T. Hussain¹
¹ Shifa International Hospital, Islamabad, Pakistan
² Shifa College of Medicine, Islamabad, Pakistan

Comparison of outcome of percutaneous nephrolithotomy in terms of operative time, hospital stay, stone clearance and post operative complications in adult versus pediatric patients

D. Shohab, N. Iqbal, S. Akhter
Shifa International Hospital, Islamabad, Pakistan

Early experience of PCNL at the Department of Urology and Renal Transplantation, Rawalpindi Medical College, Rawalpindi, Pakistan

M. Ahmad, M.H. Malik, M.A. Shahiman, S. Sarfraz
Rawalpindi Medical College, Rawalpindi, Pakistan

Efficacy of peritubal local anesthetic infiltration in alleviating postoperative pain in percutaneous nephrolithotomy

N. Iqbal, A. Hammad
Aga Khan University Hospital, Karachi, Pakistan

ECIRS: our initial experience for the treatment of staghorn kidney calculi

A. Rivero Cárdenes¹, C. Manso Aparicio¹, J.A. Mainez Rodríguez², M. Cepeda Delgado², J.H. Amón Sesmero², E. Gutiérrez Mínguez¹
¹ Hospital Universitario, Burgos, Spain
² Hospital Universitario Rio Hortega, Valladolid, Spain

Perioperative outcomes of patients with staghorn versus nonstaghorn stones who were treated with percutaneous nephrolithotomy (PCNL)

B.T.Y. Lim, W.L. Yam, S.K. Lim, F.C. Ng, K.K. Ng
Changi General Hospital, Singapore

What determines stone durability during PCNL: a qualitative and quantitative analysis

H. Thummar, K. Usama, A. Fotima, M. Gupta
MT Sinai Health System, St Luke Roosevelt Hospital, New York, NY, USA

Increased risk for chronic kidney disease in kidney stone formers: a follow-up study in Japanese men

R. Ando¹, T. Nagaya², S. Suzuki², H. Takahashi³, M. Kawai³, Y. Itoh¹, T. Kobayashi¹, A. Okada¹, T. Yasui¹, K. Tozawa¹, K. Kohri¹
¹ Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
² Department of Public Health, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
³ Gifu Prefectural Center for Health Check and Health Promotion, Gifu, Japan
PP32  Chronic stress and risk of recurrence in first calcium oxalate stone formers: a prospective study with five years of follow-up
M. Arzoz-Fàbregas1, J. Roca-Antonio2, S. Edo-Izquierdo3, G. Garcia de Manuel1, O. Calaf Perisè1, J. Fernandez Castro4, L. Ibarz-Servio1
1 Department of Urology, Hospital Germans Trias I Pujol, Badalona, Spain
2 Department of Epidemiology, Hospital Germans Trias I Pujol, Badalona, Spain
3 Department of Psychology, Universitat Autònoma De Barcelona (UAB), Barcelona, Spain

PP33  Urinary excretion of citrate and female steroid sex hormones: a study in healthy women
F. Eichner Christiansen, H. Jung, S. Sloth Oster, K. Hovgaard Andreassen, P.J. Sloth Oster
Department of Urology, Urological Research Center, Lillebaelt Hospital, University of Southern Denmark, Fredericia, Denmark

PP34  Effect of non-carbonic acid loading on renal oxalate excretion: a randomized placebo-controlled trial in healthy subjects and recurrent calcium oxalate stone formers
F. Eichner Christiansen, S. Sloth Oster, H. Jung, K. Hovgaard Andreassen, P.J. Sloth Oster
Department of Urology, Urological Research Center, Lillebaelt Hospital, University of Southern Denmark, Fredericia, Denmark

PP35  A paracrine mechanism promotes kidney stone formation in a simulated metabolic syndrome environment using in vitro and in vivo studies
A. Okada1, T. Yasui1, L. Zuo2, R. Unno1, Y. Fujii1, K. Taguchi1, S. Hamamoto1, R. Ando1, Y. Itoh1, K. Tozawa1, S. Sasaki1, A. Rodgers3, K. Kohri1
1 Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan
2 Department of Urology, Nanjing Medical University Changzhou 2nd Hospital, Changzhou, China
3 Department of Chemistry, University of Cape Town, Cape Town, South Africa

PP36  A comparative in vitro study of power output deterioration over time between Ho:YAG laser fibers from different manufacturers as a function of deflection and power input
A. Bourdoumis1, P. Christopoulos2, T. Stasinou3, A. Khaliq Aniqa4, J. Masood6, N. Buchholz2, M. Knight Martin4
1 Department of Urology, Royal Devon and Exeter Foundation NHS Trust, Exeter, United Kingdom
2 Department of Urology, Christie Hospital, Christie NHS Trust, Manchester, United Kingdom
3 Department of General Surgery, Royal Devon and Exeter NHS Foundation Trust, Exeter, United Kingdom
4 Department of Bioengineering, Queen Mary University, London, United Kingdom
5 U-Merge, London, United Kingdom
6 Homerton University Hospital, London, United Kingdom

PP37  A cross sectional survey on the physician knowledge for urolithiasis management and prevention conducted at an international urology meeting
Z. Zaidi1, A. Abdullah2, K. Mehdi3
1 Urology Department, Indus Hospital, Karachi, Pakistan
2 Department of Urology, Liaquat National Hospital, Karachi, Pakistan
3 Medical Affairs and Clinical Research, Getz Pharma, Karachi, Pakistan
A cross sectional survey on the physician knowledge for urolithiasis management and prevention conducted at a urology conference in Pakistan

Z. Zaidi, A. Abdullah, K. Mehti

1 Urology Department, Indus Hospital, Karachi, Pakistan
2 Department of Urology, Liaquat National Hospital, Karachi, Pakistan
3 Medical Affairs and Clinical Research, Getz Pharma, Karachi, Pakistan

WITHDRAWN

Isolation, identification and crystallization properties of urinary glycosaminoglycans (GAGs) derived from black and white subjects

D. Jappie, A. Rodgers, N.R. Ravenscroft, M.D. Gohel

1 Department of Chemistry, University of Cape Town, Cape Town, South Africa
2 Department of Medical Science, Tung Wah College, Kowloon, Hong Kong

Treatment of urolithiasis with ureteroscopic lithotripsy in Kosovo


1 Department of Urology, University Clinical Center of Kosovo, Prishtina, Kosovo
2 Department of Plastic Surgery, University Clinical Center of Kosovo, Prishtina, Kosovo
3 Faculty of Medicine, University Clinical Center of Kosovo, Prishtina, Kosovo
4 Department of Pediatric Surgery, University Clinical Center of Kosovo, Prishtina, Kosovo
5 University of Rezonanca, Prishtina, Kosovo

WITHDRAWN

Fluoro-less retrograde intrarenal surgery with a ureteral access sheath modified with a scale marker: a randomized and feasibility trial

G. Zeng, Z. Zhao, W. Wu, W. Zhong

Department of Urology, Minimally Invasive Surgery Center, The First Affiliated Hospital, Guangzhou, China

Endoscopic treatment of impacted and non-impacted ureter stones: outcome and complications

K. Hauner, F. Kurtz, S. Schwab, J. Gschwend, M. Straub

Department of Urology, Rechts der Isar Medical Center, Munich, Germany

Outcome of pediatric ureterorenoscopy – Single center experience


1 Shifa International Hospital, Islamabad, Pakistan
2 Shifa College of Medicine, Islamabad, Pakistan
3 Army Medical College Pakistan, Rawalpindi, Pakistan
PP45  Retrograde ureteroscopic intrarenal surgery (RIRS) in patients with renal stone size larger than 2 cm  
A. Rivero Cárdenes, N. Rodríguez García, J.M García Domínguez, C. Mena Ruiz, G. Fernández Matia, E. Gutiérrez Mínguez  
Hospital Universitario, Burgos, Spain

PP46  When anti-retropulsion device becomes necessary in ureteroscopic lithotripsy: a case report  
D. De Carolis  
Ospedale Provinciale “G.e C. Mazzoni”, Ascoli Piceno, Italy

PP47  Renal pseudoaneurysm: an unusual complication of flexible ureterorenoscopy and laser lithotripsy  
D. Harry, R. Dale, A. Bourdoumis  
Urology Department, Barts Health NHS Trust, London, United Kingdom

PP48  Rupture of solitary kidney after flexible ureterorenoscopy  
D. Harry, R. Dale, A. Bourdoumis  
Urology Department, Barts Health NHS Trust, London, United Kingdom

PP49  Ureterorenoscopy for ureteric stone – Our experience in the Department of Urology and Renal Transplantation, Rawalpindi Medical College, Rawalpindi, Pakistan  
M. Ahmad, S. Sheikh  
Department of Urology and Renal Transplantation, Rawalpindi Medical College, Rawalpindi, Pakistan

PP50  Flexible ureterorenoscopy and Holmium laser lithotripsy for renal stones >15mm  
R. Jalil1, G.R. Nana1, J. Kalsi1, J. Nariculam2  
1 Heatherwood and Wexham Park Hospitals NHS Trust, Berkshire, United Kingdom  
2 North West London Hospital, NHS Trust, London, United Kingdom

PP51  Urinary phytate (IP6) excretion in South African stone-prone and stone-free population groups relative to its dietary intake  
S. Fakier, A. Rodgers, D. Webber  
University of Cape Town, Cape Town, South Africa

PP52  Investigation of phytomedicine Canephron N (drops) in primary prophylaxis of calcium oxalate urolithiasis  
A.A. Gaybullaev, S.S. Kariev, S.O. Kasimov, O.O. Khudayberdiev, O.A. Gaybullaev  
Urology Department of Postgraduate Medical Education Institute, Tashkent, Uzbekistan

PP53  Hypocitraturia is much more important than hypercalciuria  
K. Hauner, F. Kurtz, R. Leicht, J. Gschwend, M. Straub  
Department of Urology, Rechts der Isar Medical Center, Munich, Germany
PP54 Glycemia and phosphatemia in South Africa’s stone-prone and stone-free population groups: a preliminary study on the effects of maltitol ingestion
T. Theka, A. Rodgers, D. Webber
University of Cape Town, Cape Town, South Africa

PP55 The HMGB1 expression in macrophages induced by calcium oxalate crystal
T. Zhi Wei, D. Yao Liang, H. Peng, L. Cheng Yang
Department of Urology, First Affiliated Hospital of Guangxi Medical University, Nan Ning, China

PP56 Investigate the synergistic effect of HMGB1 in inflammatory cytokines release from macrophages induced by CaP
T. Zhi Wei, D. Yao Liang, F. You Cai, L. Cheng Yang
Department of Urology, First Affiliated Hospital of Guangxi Medical University, Nan Ning, China

PP57 Laser drilling weakens kidney stones but does not alter fragmentation efficiency: an in vitro study
L. Durner1, T. Fahim2, F. Ghazi-Ghazvini2, A. Papatsoris3, N. Buchholz2, M.M. Knight2
1 Department of Urology, Royal London Hospital, London, United Kingdom
2 School of Engineering and Materials Science, Institute of Bioengineering, Queen Mary University of London, London, United Kingdom
3 Sismanoglio General Hospital, Athens, Greece
4 U-Merge, London, United Kingdom

PP58 Dual energy can accurately differentiate urea acid containing stones from calcium stones
A. Spek1, P. Kufer1, F. Strittmatter1, A. Graser2, C. Stief1, M. Bader1, M. Staehler1
1 Department of Urology, Grosshadern Clinics, Ludwig, Maximilians University of Munich, Germany
2 Department of Radiology, Ludwig, Maximilians University of Munich, Germany

PP59 The modern era struvite stone: patterns of urinary infection and colonization
H. Thummarm, F. Adam2, K. Usama1, M. Gupta1
1 MT Sinai Health System, St Luke Roosvelt Hospital, New York, NY, USA
2 Columbia University, New York, NY, USA

PP60 Indirect benefits of the financial crisis on the national health service – A reduction in the incidence of urolithiasis in the greater area of Lisbon-Portugal
J.M. Reis Santos1, A.R. Monteiro2, A.L. Papoila3
1 Universidade Católica Portuguesa, Lisbon, Portugal
2 Uroclinica - Centro Clínico de Urologia, Lisbon, Portugal
3 Faculdade Ciências Médicas, Universidade Nova de Lisboa, Lisbon, Portugal