Focal Therapy and Imaging
in Prostate & Kidney Cancer
10/13.06.2009
Congress Venue:
HOTELS VAN ORANJE, NOORDWIJK
AMSTERDAM THE NETHERLANDS

Final Programme

In Collaboration with
Welcome Address

Dear friends and colleagues,

On behalf of the workshop planning committee I kindly welcome you to the Second International Workshop on ‘FOCAL THERAPY AND IMAGING IN PROSTATE AND KIDNEY CANCER’

This Workshop is the result of a close collaboration between the Departments of Urology of DUKE and AMC Amsterdam.

This second meeting includes first class and forward-thinking presentations with certain predictions of further developments in focal therapy. Invitations were extended to pathologists, radiologists, radiation oncologists, researchers, urologists, medical oncologists and biomedical engineers, uniting the cancer community in thought. In addition 4 LIVE surgeries will demonstrate the current state of the art in clinical practice and may further stimulate discussions.

We highly appreciate the support from ESUT, ESTRO, ESOU, EORTC, the Endourology Society and SUO. Representatives from these teams will pave the way to a joint approach in this rapidly developing area. We expect this to be materialized in the consensus meeting on both focal treatment for prostate and kidney cancer that will conclude this 2nd International Workshop.

Such a wide interdisciplinary approach promotes a huge advantage in creating a solid scientific background to cautious implementation of focal therapy in clinical practice.

Thank you for coming to Amsterdam and taking part in this exiting event. We count that this will encourage you to participate in future workshops organized by our collaborative teams.

Jean de la Rosette
Workshop Director
Organized by

The Meeting is organized in collaboration between the Departments of Urology of

In Collaboration with

Committees

Workshop Director
Dr. Jean de la Rosette
AMC University Hospital, Amsterdam - The Netherlands

Workshop Planning Committee
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AMC University Hospital, Amsterdam - The Netherlands
Dr. Pilar Laguna
AMC University Hospital, Amsterdam - The Netherlands
Dr. Hessel Wijkstra
AMC University Hospital, Amsterdam - The Netherlands
Dr. Jorge Rioja
AMC University Hospital, Amsterdam - The Netherlands
Dr. Charalampos Mamoulakis
AMC University Hospital, Amsterdam - The Netherlands
Dr. Andreas Meissner
AMC University Hospital, Amsterdam - The Netherlands

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Dr. Thomas Polascik
Duke University Hospital, Duke - United States
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SLK Kliniken Heilbronn, Heilbronn - Germany
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New York University - Cancer Institute New York - USA

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Mrs Sonja van Rees Vellinga
AMC University Hospital, Amsterdam - The Netherlands
Faculty

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Monish Aron, Cleveland (USA)
Jelle Barentsz, Nijmegen (NL)
Herve Baumert, Paris (FR)
John Baust, Binghamton (USA)
Arie Belldegrun, Los Angeles (USA)
Truls Erik Bjerklund - Johansen, Aarhus (SE)
Andreas Blana, Regensburg (DE)
Gennady Bratslavsky, Maryland (USA)
Maurizio Brausi, Modena (IT)
Viorel Bucuras, Timisoara (RO)
Thomas Buhleier, Offenbach (DE)
Jeffrey Cadeddu, Dallas (USA)
Ralph Clayman, Irvine (USA)
Christian Chaussy, Munich (DE)
Jan de Jong, Groningen (NL)
Theo de Reijke, Amsterdam (NL)
Mark Emberton, London (UK)
Ferdinand Frauscher, Innsbruck (AT)
Peter Frinking, Geneva (CH)
Afshin Gangi, Strasbourg (FR)
Stavros Gravas, Larissa (GR)
Inderbir Gill, Los Angeles (USA)
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John Haanen, Amsterdam (NL)
Masoom Haider, Toronto (CA)
Mukesh Harisinghani, Harvard (USA)
Karin Haustermans, Leuven (BE)
Axel Heidenreich, Aachen (DE)
Ad Hendrikx, Eindhoven (NL)
Santiago Isorna Martinez de la Riva, Gran Canaria (ES)
Michael Jewett, Toronto (CA)
Steven Joniau, Leuven (BE)
Adrian Joyce, Leeds (UK)
Jihad Kaouk, Cleveland (USA)
Ziya Kirkali, Izmir (TR)
Christoph Klingler, Vienna (AT)
George Kovacs, Lübeck (DE)
Pilar Laguna, Amsterdam (NL)
Jaime Landman, New York (USA)
Alain Le Duc, Paris (FR)
Raymond Leveillee, Miami (USA)
Charalampos Mamoulakis, Amsterdam (NL)
Michael Marberger, Vienna (AT)
Malcom Mason, Cardiff (UK)
Andreas Meissner, Amsterdam (NL)
Francesco Montorsi, Milan (IT)
Rodolfo Montironi, Ancona (IT)
Judd Moul, Durham (USA)
Vladimir Mouraviev, Durham (USA)
Rolf Muschter, Rothenburg (DE)
Yung Nio, Amsterdam (NL)
Mircea Onaca, Nieuwegein (NL)
Jean-Jacques Patard, Rennes (FR)
Bradley Pieters, Amsterdam (NL)
Thomas Polascik, Durham (USA)
Jens Rassweiler, Heilbronn (DE)
Pascal Rischarn, Toulouse (FR)
Jorge Rioja, Amsterdam (NL)
Bruce Shingleton, Chapel Hill (USA)
Andreas Skolarikos, Athens (GR)
Samir Taneja, New York (USA)
Stefan Thüroff, Munich (DE)
Bertrand Tombal, Brussels (BE)
John Trachtenberg, Toronto (CA)
Ulf Tunn, Offenbach (DE)
Hein van Poppel, Leuven (BE)
Otto van Delden, Amsterdam (NL)
Henk van der Poel, Amsterdam (NL)
Han van der Zee, Amsterdam (NL)
Krijn van Lienden, Amsterdam (NL)
Roland van Velthoven, Brussels (BE)
Paul Verhagen, Rotterdam (NL)
Henk Vergunst, Nijmegen (NL)
Arnauld Villers, Lille (FR)
Mike Visser, Amsterdam (NL)
Osamu Ukimura, Kyoto (JP)
Wesley White, Cleveland (USA)
Hessel Wijkstra, Amsterdam (NL)
Ulrich Witzsch, Frankfurt (DE)
Registration

Participants 895 €
Trainees 595 €
Accompanying Persons 195 €

Participants & Trainees Registration Fee Includes:
• Admittance to Opening Ceremony & Welcome Reception
• Admittance to all Sessions
• Admittance to Exhibition
• Coffee & Lunch during Workshop days
• Workshop Documentation and Workshop Folder
• Certificate of Attendance

Accompanying Person’s Registration Fee Includes:
• Admittance to Opening Ceremony & Welcome Reception
• Half Day City Tour

Name Badge
All delegates and accompanying persons will receive a name badge upon registration. For identification purposes badges must be worn for all Workshop activities. Admission to the Workshop will not be allowed without badge identification.

Registration Desk
The Workshop Secretariat will be open during the following days and hours:

- Wednesday, June 10th, 2009 10:00 - 18:00
- Thursday, June 11th, 2009 07:30 - 19:00
- Friday, June 12th, 2009 07:30 - 19:00
- Saturday, June 13th, 2009 07:30 - 13:00
Credits

European Board of Urology (EBU)

The Workshop has been accredited within the EU-ACME programme by the European Board of Urology (EAU) Accreditation Committee with **12 credits** of Continuing Medical Education (CME)

For participants from the USA, EACCME credits can be converted to AMA PRA Category 1 Credit™.

Accreditation Council of Oncology in Europe (ACOE)

Accreditation approval has been granted also, by the Accreditation Council of Oncology in Europe (ACOE). A request for European endorsement of ACOE accreditation has been submitted to the European Union of Medical Specialists (UEMS) clearing house, the EACCME. ACOE has recommended that the event be granted 18 European CME credits.

Dutch Urological Association

For participants from the Netherlands, the Dutch Urological Association has awarded the Workshop with **18 credit points**.

Social Events

Opening Ceremony & Welcome Reception

The Opening Ceremony will be held on Wednesday, **June 10th, 2009**, at 18:45 at the Hotels van Oranje, in “Wintertuin” Hall.

A welcome Reception will follow.

Workshop Organizing Bureau

Erasmus Conferences Tours & Travel
1 Kolofontos & Evridikis Str.
161 21 Athens, Greece
Tel.: +30 210 7257693
Fax: +30 210 7257532
Email: info@erasmus.gr
Website: www.erasmus.gr
Acknowledgements

The Organizing Committee of the Workshop would like to thank the following companies for their participation and their valuable contribution to the Organization of the Workshop.

Platinum Sponsor

Gold Sponsors

Silver Sponsors

Bronze Sponsors

Contributors
Exhibition & Exhibitors

Exhibition Area is Located in Hotels van Orange, “Balzaal” Hall, Level +1

Exhibition Area - Floor Plan
Focal Therapy and Imaging in Prostate & Kidney Cancer

Scientific Programme
# Programme Overview

## WEDNESDAY, JUNE 10, 2009

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<thead>
<tr>
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<th>WINTER</th>
<th>TUIN</th>
<th>ORANJE</th>
<th>WINDSOR</th>
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<th>BAR</th>
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<td>10:00-12:00</td>
<td>Registration</td>
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<td>12:00-13:45</td>
<td>Lunch Symposium</td>
<td>Posters Mounting 12:00-13:30</td>
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<tr>
<td>14:00-16:00</td>
<td>Satellite Symposium supported by ASTELLAS</td>
<td>13:30-15:45 Poster Session I Renal Imaging</td>
<td>13:30-15:45 Poster Session II Renal Treatment</td>
<td>13:30-15:45 Poster Session III Prostate Imaging</td>
<td>13:30-15:45 Poster Session IV Prostate Treatment</td>
<td>13:30-15:45 Poster Session V Non discussion Posters</td>
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<tr>
<td>16:00-16:30</td>
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<td>16:30-18:30</td>
<td>Satellite Symposium supported by WYETH</td>
<td>Satellite Symposium supported by FERRING Pharmaceuticals</td>
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<tr>
<td>18:45</td>
<td>Opening Ceremony</td>
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<td>19:30</td>
<td>Welcome Reception</td>
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## THURSDAY, JUNE 11, 2009 - FOCAL IN KIDNEY

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<td>Introduction</td>
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<tr>
<td>08:45-10:15</td>
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<td>10:00-12:00 WORKSHOP GALIL MEDICAL</td>
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<td>12:00-13:00</td>
<td>LIVE Surgery I</td>
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<td>14:00-15:00</td>
<td>LIVE Surgery II</td>
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<td>15:00-16:30</td>
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<td>15:00-17:00 WORKSHOP Angiodynamics</td>
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<td>17:00-19:00</td>
<td>Session 4</td>
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### FRIDAY, JUNE 12, 2009 - FOCAL IN PROSTATE

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<td>07:45-08:30</td>
<td>Introduction</td>
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<td>08:00-10:00 WORKSHOP GALIL MEDICAL</td>
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<td>08:30-10:15</td>
<td>Session 5</td>
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<td>10:00-12:00 WORKSHOP EDAP TMS</td>
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<td>10:45-12:00</td>
<td>Session 6</td>
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<td>12:00-13:00</td>
<td>LIVE Surgery III</td>
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<td>13:00-14:00</td>
<td>Lunch</td>
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<td>14:00-15:00</td>
<td>LIVE Surgery IV</td>
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<td>15:00-16:30</td>
<td>Session 7</td>
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<td>15:00-17:00 WORKSHOP HISTOSCANNING BK MEDICAL</td>
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<td>16:30-17:00</td>
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<td>17:00-19:00</td>
<td>Session 8</td>
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<tr>
<td>20:00</td>
<td>Faculty Dinner</td>
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### SATURDAY, JUNE 13, 2009

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<th>Time/Hall</th>
<th>WINTERTUIN</th>
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<tr>
<td>09:00-11:00</td>
<td>Satellite Symposium supported by NOVARTIS</td>
<td>Satellite Symposium supported by Angiodynamics</td>
<td>09:00-12:30 Consensus Meeting in PROSTATE</td>
<td>09:00-12:30 Consensus Meeting in KIDNEY</td>
<td>08:00-10:00 WORKSHOP GALIL MEDICAL</td>
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</table>
Wednesday, June 10th, 2009

12:00-13:45 Lunch Symposium

Ultrasound Imaging in Focal Therapy of the Prostate
Chair: Mark Emberton & Hessel Wijkstra

Organized by

12:00-12:10 Welcome & Introduction
Hessel Wijkstra

12:10-12:35 Can we localize tumors?
Ferdinand Frauscher

12:35-13:00 Histoscanning: do we see the tissue histology?
Mark Emberton

13:00-13:25 Contrast ultrasound quantification: can we recognize cancer?
Peter Frinking

13:25-13:45 Concluding remarks
Mark Emberton

14:00-16:00 Satellite Symposium
Hormonal treatment for prostate cancer: changing concepts
Chairman: Theo de Reijke

Cordially sponsored by:

14:00–14:15 Welcome and introduction
Theo de Reijke

14:15–14:45 Risks versus benefits of androgen deprivation therapy
Viorel Bucuras

14:45–15:15 Integrating patients’ preferences into treatment modalities
Bertrand Tombal

15:15–15:45 When using adjuvant hormonal therapy following EBRT?
Gyorgy Kovacs

15:45–16:00 CASE discussions

16:00-16:30 Coffee Break
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Moderators</th>
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<tr>
<td>13:30-15:45</td>
<td>Poster Session I (P01 - P14)</td>
<td>Hall Oranje Zaal</td>
<td>Christoph Klingler - Raymond Leveillee</td>
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<td>Renal – Basic Research &amp; Imaging</td>
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<td>Poster Session II (P15-P32)</td>
<td>Hall Windsor Zaal</td>
<td>Krijn van Lienden - Andreas Skolarikos</td>
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<td>Renal Treatment - Focal Therapies</td>
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<td>Poster Session III (P33-P55)</td>
<td>Hall Imperial Bar</td>
<td>Alain Le Duc - Santiago Isorna Martinez de la Riva</td>
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<td>Prostate Basic Research &amp; Imaging</td>
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<td>Poster Session IV (P56-P76)</td>
<td>Hall Nassau Zaal</td>
<td>Christian Chaussy - Thomas Polascik</td>
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<td>Prostate Treatment-Focal Therapies</td>
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<td>Poster Session V (P77-P91)</td>
<td>Wintertuin Foyer</td>
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<td>Non - Discussion Posters</td>
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<td>Details about the presenting posters of each Session on page no 39</td>
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</table>
16:30-18:30 Satellite Symposium
Current Issues in Kidney Cancer
Chairman: Ziya Kirkali

Cordially sponsored by: Wyeth Oncology

16:30 – 16:40  Introduction
Ziya Kirkali

16:40–17:10  The role of a radiologist in the diagnostics and follow up in RCC
Mukesh Harisinghani

17:10–17:40  How can a pathologist help in RCC treatment?
Ferran Algaba

17:40–18:10  When and how to treat advanced RCC with small molecules?
Jean-Jaques Patard

18:10–18:30  CASE discussions

16:30-18:30 Satellite Symposium
Prostate Cancer and Hormonal Therapy:
Twenty-Five Years and Counting in Optimizing Medical Management
Chairman: Judd Moul

Cordially sponsored by: Ferring Pharmaceuticals

16:30-16:40  Introduction and Historical Perspective
Judd Moul

16:40–17:10  Overview of medical hormonal treatment in locally advanced and advanced prostate cancer
Malcolm Mason

17:10–17:40  LHRH antagonists in the management of PCa
Hein van Poppel

17:40–18:10  Neoadjuvant and Adjuvant treatment with radical prostatectomy
Maurizio Brausi

18:10–18:30  Panel Discussion/ Q and A

18:45  Opening Ceremony and Welcome Reception
# Thursday, June 11th, 2009 / Focal In Kidney Cancer

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tr>
<td>07:45-08:00</td>
<td>Introduction</td>
<td>Jean de la Rosette</td>
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<tr>
<td>08:00-08:15</td>
<td>The Changing Face of RCC</td>
<td>Ziya Kirkali</td>
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<tr>
<td>08:15-08:30</td>
<td>What is Focal Therapy?</td>
<td>Inderbir Gill</td>
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<tr>
<td>08:30-08:45</td>
<td>The Importance of Nephron-sparing/Focal Therapy: Renal Function Preservation Outcomes</td>
<td>Jeffrey Cadeddu</td>
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<tr>
<td>08:45-09:00</td>
<td>The Golden Standard to Study Small Renal Masses: CT</td>
<td>Yung Nio</td>
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<td>09:00-09:15</td>
<td>Evolving Role of MRI in Renal Cancer Imaging</td>
<td>Mukesh Harisinghani</td>
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<td>09:15-09:30</td>
<td>Innovations in Renal Ultrasound Imaging</td>
<td>Hessel Wijkstra</td>
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<tr>
<td>09:30-09:45</td>
<td>The Role of Soft Tissue Navigation in Renal Focal therapy</td>
<td>Jens Rassweiler</td>
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<td>09:45-10:00</td>
<td>Imaging Follow Up after Renal Focal Therapy</td>
<td>Bruce Shingleton</td>
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<td>10:00-10:15</td>
<td>Q &amp; A</td>
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<td>10:15-10:45</td>
<td>Coffee Break</td>
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SESSION 2
Moderators: Hein van Poppel - Gennady Bratslavsky - Han van der Zee

10:45-11:00 Renal Cell Cancer Multifocality According Histological Subtypes, Tumoral Size and Nuclear Grading
Ferran Algaba

11:00-11:15 Renal Biopsy Protocols – Pre, Post and After Focal Therapy
Christoph Klingler

11:15-11:30 Limitations of Renal Biopsies
Mike Visser

11:30-11:45 Algorithm for Renal Focal Therapy
Jean-Jacques Patard

11:45-11:00 Q & A

SESSION 3
Moderators: Arie Belldegrun – Steven Joniau - Jan de Jong

15:00-15:15 Focal Kidney Ablation: An Alternative to Active Surveillance?
Jeffrey Cadeddu

15:15-15:30 Patient Selection for Focal Therapy
Jaime Landman

15:30-15:45 Laparoscopic versus Percutaneous Focal Therapy
Michael Marberger

15:45-16:00 Kidney Radiofrequency Ablation for Small Renal Tumors: Oncologic Efficacy
Adrian Joyce

16:00-16:15 Renal Cryo Ablation for Small Renal Tumors: Oncologic Efficacy
Pilar Laguna

16:15-16:30 Optimization of Targeting Focal Therapy
Raymond Leveillee

16:30-17:00 Coffee Break
17:00-19:00  **SESSION 4**  
Moderators: Michael Marberger – Alain Le Duc - Paul Verhagen

17:00-17:15  *Cryoprobe Isotherms: A Caveat (all Ice is not created equal)*  
Ralph Clayman

17:15-17:30  *Assessment of Outcomes with Focal Therapy of Small Renal Tumours*  
Michael Jewett

17:30-17:45  *Five to ten years renal cryo follow up*  
Monish Aron

17:45-18:00  *Management of Tumor Recurrence after Focal Renal Therapy*  
Arie Belldegrun

18:00-18:15  *New Developments in Renal Focal Therapies*  
Inderbir Gill

18:15-18:30  *Novel approaches for Renal Focal Therapy*  
Jihad Kaouk

18:30-19:00  Round Table Discussion
# Focal Therapy and Imaging in Prostate & Kidney Cancer

**Friday, June 12th, 2009 / Focal In Prostate Cancer**

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<th>Time</th>
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<td>07:45-08:30</td>
<td><strong>INTRODUCTION</strong></td>
<td>Jean de la Rosette – Thomas Polascik</td>
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<td>07:45-08:00</td>
<td><em>The Changing Face of PCa</em></td>
<td>Judd Moul</td>
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<td>08:00-08:15</td>
<td><em>Organ Preservation to Preserve Organ Function</em></td>
<td>Hein van Poppel</td>
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<td>08:15-08:30</td>
<td><em>Conceptual Basis for Focal Therapy in Prostate Cancer</em></td>
<td>Mark Emberton</td>
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<td><strong>SESSION 5</strong></td>
<td>Hessel Wijkstra – Arnauld Villers - Ad Hendrikx</td>
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<td>08:30-08:45</td>
<td><em>Current Status of Ultrasound Imaging</em></td>
<td>Ferdinand Frauscher</td>
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<td>08:45-09:00</td>
<td><em>Localization of Prostate Cancer by Multimodality MRI</em></td>
<td>Jelle Barentsz</td>
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<td>09:00-09:15</td>
<td><em>Does CT or PET/CT Contribute in Detection of Small Focal Cancers in the Prostate?</em></td>
<td>Masoom Haider</td>
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<td>09:15-09:30</td>
<td><em>Image Fusion System of US and MRI/CT</em></td>
<td>Osamu Ukimura</td>
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<td>09:30-09:45</td>
<td><em>Biopsy Strategies to Detect Small and/or Unifocal Prostate Cancers</em></td>
<td>Vladimir Mouraviev</td>
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<td>09:45-10:00</td>
<td><em>What is Next in Prostate Imaging</em></td>
<td>Mukesh Harisinghani</td>
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<td>10:00-10:15</td>
<td>Q &amp; A</td>
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<td>10:15-10:45</td>
<td><em>Coffee Break</em></td>
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</table>
SESSION 6
Moderators: Axel Heidenreich – Mark Emberton - Henk van der Poel

10:45-11:00 Clinical Insignificant Prostate Adenocarcinoma: Lessons Learned from Incidental Cancers in Radical Prostatectomy
Rodolfo Montironi

11:00-11:15 Impact of the Prostate Cancer Multifocality in the Biology and Treatment
Ferran Algaba

11:15-11:30 Molecular Biology and New Prognostic Markers in PCa
Bertrand Tombal

11:30-11:45 Optimizing Cancer Cell Death
John Baust

11:45-12:00 Q & A

SESSION 7
Moderators: Pascal Rischman – Gyorgy Kovacs - Henk Vergunst

15:00-15:15 Is Focal Therapy at all an Alternative to Active Surveillance?
Theo de Reijke

15:15-15:30 Robotic HIFU in Focal Therapy of Prostate Cancer:
Christian Chaussy

15:30-15:45 Local Photo Thermal Treatment of Prostate Cancer
John Trachtenberg

15:45-16:00 Prostate Brachytherapy as Focal Therapy
Ulf Tunn

16:00-16:15 External Radiotherapy of Prostate Cancer
Karin Haustermans

16:15-16:30 Contemporary Results of Focal Therapy for Prostate Cancer using Cryotherapy
Thomas Polascik

Coffee Break
Focal Therapy and Imaging in Prostate & Kidney Cancer

17:00-19:00  SESSION 8
Moderators: John Trachtenberg - Malcolm Mason - Bradley Pieters

17:00-17:15  Case Selection for Focal Therapy
Samir Taneja

17:15-17:30  How to Define Success, how to Monitor and when to Retreat?
Mark Emberton

17:30-17:45  What to do if Focal Treatment for Prostate Cancer Fails - the Role of Radical Salvage Prostatectomy
Axel Heidenreich

17:45-18:00  Salvage Treatment; is there a Role for Focal Treatment?
Damian Greene

18:00-18:15  Prevention and Handling of Complications
Rolf Muschter

18:15-18:30  New Developments in Focal Prostate Treatment
Jean de la Rosette

18:30-19:00  Round Table Discussion
**Saturday, June 13th, 2009**

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<th>Time</th>
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<tr>
<td>09:00-11:00</td>
<td>Satellite Symposium</td>
<td>HALL A (Wintertuin)</td>
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<td>Chairman: Jihad Kaouk</td>
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Cordially sponsored by: ![Novartis](image)

- **09:00-09:10** Introduction
  - Jihad Kaouk

- **09:10–09:40** Renal tumor biopsies: why, in whom and how?
  - Michael Marberger

- **09:40–10:10** Active monitoring versus active treatment
  - Michael Jewett

- **10:10–10:40** Safety profile and efficacy of targeted therapies
  - John Haanen

- **10:40–11:00** CASE discussions

**09:00-11:00 Satellite Symposium**

"The Multi-modality Treatment of Renal Masses."

Chairman: Raymond Leveillee

Cordially sponsored by: ![AngioDynamics](image)

- **09:00-09:25** Radiofrequency Ablation for Renal Masses: Steps to optimize the Kill Zone.
  - Raymond Leveillee

- **09:25-09:50** Nephron Sparing Surgery Using a Bipolar Radio Frequency Resection Device
  - Wesley White

- **09:50-10:15** Non Ischaemic RFA assisted Partial Nephrectomy
  - Chris Anderson

- **10:15-10:40** The NanoKnife IRE System in Prostate Cancer: First Results of a Pilot Study
  - Maurizio Brausi

- **10:40-11:00** Q&A
Thursday, June 11th, 2009

10:00 - 12:00: Setting the stage for focal cryoablation in prostate cancer

Sponsored by

Faculty: Chair: Prof. Truls-Eric Bjerklund-Johansen, Sweden
Speakers: Dr. Ulrich Witzsch, Germany
Prof. John Baust, USA

10:00 - 10:00 Welcome and introduction
Prof. Truls-Eric Bjerklund-Johansen

10:05 - 10:15 Cryobiology and technology
Prof. John Baust

10:15 - 10:25 Total cryoablation
Dr. Ulrich Witzsch

10:25 - 10:35 Focal cryoablation
Dr. Ulrich Witzsch

10:35 - 10:45 The cryo procedure
Dr. Ulrich Witzsch

10:45 - 10:55 Questions and answers
Prof. Truls-Eric Bjerklund-Johansen

10:55 - 11:55 Hands On Training

11:55 - 12:00 Close and conclusions
Prof. Truls-Eric Bjerklund-Johansen

15:00 - 17:00 Targeted ablation technologies

Sponsored by: AngioDynamics

Faculty: Dr. Jeffrey Cadeddu, USA
Dr. Wesley White, USA

15:00 - 15:10 Principles of image-guided targeted ablation and bipolar resection

15:10 - 15:20 Introduction to the 1500X RF generator and devices

15:20 - 15:30 Importance of temperature monitoring to ensure success

15:30 - 16:00 Basic techniques demonstration

16:00 - 17:00 Hand-on practice including tips/tricks from workshop directors & AngioDynamics staff
Friday, June 12th, 2009

08:00 - 10:00: Advances in focal renal cryo ablation

Sponsored by GALILMEDICAL

Chair: Dr. Pilar Laguna, The Netherlands
Speaker: Dr. Herve Baumert, France

08:00 - 08:05 Introduction
Dr. Pilar Laguna

08:05 - 08:20 Technological evolution and procedure protocol
Dr. Herve Baumert

08:20 - 08:35 Renal cryoablation results
Dr. Pilar Laguna

08:35 - 08:45 Galil starting Renal cryoablation a personal experience
Dr. Pilar Laguna
Dr. Herve Baumert
Pascal Garcia (Galil)

08:45 - 08:50 Intermediate conclusion
Dr. Pilar Laguna

08:50 - 09:50 Hands On Training

09:50 - 10:00 Conclusion
Dr. Pilar Laguna

10:00 – 12:00: Is HIFU the ideal tool for Focal Therapy? From theory to practice

Sponsored by Ablatherm

Workshop Director: Dr. Andreas Blana, Germany
Co-Director: Dr. John WARD, USA

10:00 – 10:40 From Radical Treatment to Focal Strategy:
Presentation of background and clinical experience with Ablatherm® HIFU.
1. Ablatherm technique and results of full gland ablation, A. Blana
2. Focal Hi-FU, J. Ward

Questions.

10:40 – 11:00 Teaching Course:
Virtual treatment performed by Andreas BLANA (simulation software) with Ablatherm® HIFU.

11:00 – 12:00 Make your own First Experience with Ablatherm® HIFU:
Individual practice on work stations (simulation software).
Focal Therapy and Imaging
in Prostate & Kidney Cancer

15:00 – 17:00  HistoScanning™ for Clinically Meaningful Prostate Tissue Differentiation and Visualization.

Sponsored by

Faculty:  Johan Braeckman, Belgium
         Mark Emberton, UK
         Stephen Langley, UK

**Session A**: Focus on HistoScanning Potential for BrachyTherapy applications

15.00 - 15:15  Introduction to HistoScanning capabilities, development, clinical studies and guided biopsy case study
Dr. Johan Braeckman

15.15 - 15:30  Potential of HistoScanning for BrachyTherapy applications
Prof. Stephen Langley

15.30 - 15:55  Opportunity for participants to use HistoScanning and discuss applications with Faculty

**Session B**: Focus on HistoScanning Potential for HiFu applications

16.05 - 16:20  Introduction to HistoScanning capabilities, development, clinical studies and guided biopsy case study
Dr. Johan Braeckman

16.20 - 16:36  Potential of HistoScanning for HiFu applications
Mr. Mark Emberton

16.35 - 17:00  Opportunity for participants to use HistoScanning and discuss applications with the faculty.
Saturday, June 13th, 2009

08:00 – 10:00  The future of renal cryo ablation

Sponsored by

Faculty: Chair: Dr. Brunolf Lagerveld, The Netherlands
Speaker: Dr. Bruce Shingleton, USA

08:00 - 08:05  Introduction
Dr. Brunolf Lagerveld

08:05 - 08:20  Technological evolution, Imaging and procedure protocol
Dr. Bruce Shingleton

08:20 - 08:30  Comparison of image guided results
Dr. Brunolf Lagerveld

08:30 - 08:45  Starting image guided cryoablation a personal experience
Dr. Bruce Shingleton

08:45 - 08:50  Intermediate conclusion
Dr. Brunolf Lagerveld

08:50 - 09:40  Hands On Training

09:40 - 10:00  Conclusion
Dr. Brunolf Lagerveld
Thursday, June 11, 2009

12:00-13:00  **LIVE Surgery - RFA kidney patient**
Surgeons: Jeffrey Cadeddu, Pilar Laguna
Moderators: Ralph Clayman, Jorge Rioja, Gerasimos Alivizatos

Case Description:
The patient is 76 years old and recently had a laparoscopic cholecystectomy. During work-up a tumor in the left lower pole was found measuring 3.6 x 3.8 cm. This is a good case for a laparoscopic assisted RFA treatment.

13:00-14:00  Lunch Break

14:00-15:00  **LIVE surgery - CRYO kidney patient**
Surgeons: Bruce Shingleton, Pilar Laguna
Moderators: Michael Jewett, Adrian Joyce, Herve Baumert

Case Description:
This patient will have a percutaneous renal cryo. It is a lesion of about 2 cm in the lower pole of the kidney. It is an endophytic lesion and a good case for a percutaneous CT guided cryosurgery treatment.

Friday, June 12, 2009

12:00-13:00  **LIVE Surgery - CRYO prostate patient**
Surgeons: Thomas Polascik, Theo de Reijke
Moderators: Ulrich Witzsch, Arie Belldegrun, Stavros Gravas

Case Description:
The patient is 56 years and fully potent. PSA 6.5 and minimal voiding complaints (IPSS 14 QoL 2) DRE - Benign slightly enlarged TRUS 32 cc
Biopsies: total 8 and in 1 biopsy on the left side a small focus of Gleason 3+3

13:00-14:00  Lunch Break

14:00-15:00  **LIVE Surgery: Case on Prostate HDR Brachytherapy**
Surgeons: Thomas Buhleier, Dimos Baltas
Moderators: Charalampos Mamoulakis, Maurizio Brausi, Ulf Tunn
Focal Therapy and Imaging in Prostate & Kidney Cancer

Consensus Meetings
Consensus on Focal Therapy in Prostate Cancer

Chairpersons: Jean de la Rosette and Thomas Polascik

Members: George Kovacs (ESTRO)
Karin Haustermans (ESTRO)
Bertrand Tombal (EORTC)
Maurizio Brausi (EORTC)
Axel Heidenreich (EAU-guidelines)
Malcolm Mason (EAU-guidelines)
Stefan Thuroff (EAU-ESUT)
Mark Emberton (EAU-ESUT)
Samir Taneja (SUO)
John Trachtenberg (ES)
Theo de Reijke
Vladimir Mouraviev
Hessel Wijkstra
Ferdinand Frauscher
Mukesh Harisinghani
Jelle Barentsz
Rodolfo Montironi
Damien Greene

Consensus on Focal Therapy in Kidney Cancer

Chairpersons: Pilar Laguna and Inderbir Gill

Members: Jaime Landman (ES)
Jeffrey Cadeddu (ES)
Steven Joniau (EORTC)
Hein van Poppel (EORTC)
Jean-Jacques Patard (EAU-Guidelines)
Christoph Klingler (EAU-ESUT)
Jens Rassweiler (EAU-ESUT)
Gennady Bratslavsky (SUO)
Ferran Algaba
Masoom Haider
Yung Nio
Otto van Delden
Francesco Montorsi
Ziya Kirkali
Adrian Joyce
Arie Belldegrun
Ralph Clayman
Jihad Kaouk
Focal Therapy and Imaging in Prostate & Kidney Cancer

Presentations
Poster Session I- Renal – Basic Research & Imaging
Moderators: Christoph Klingler - Raymond Leveillee

P-01  Rationale for a less aggressive therapy for small renal tumors
Tsivian M., Mouraviev V., Kimura M., Mayes J.M., Albala D.M., Robertson C.N.,
Walther Ph.J., Polascik Th.J.
Duke University Medical Center, Durham, USA

P-02  The prognostic significance of tumor diameter in incidentally detected small
renal masses
Decoene J., De Wil P., Van Poppel H., Joniau S.
Department of Urology, University Hospital Leuven, Belgium

P-03  Renal function after nephron sparing surgery and radical nephrectomy in
elective cases
De Wil P., Decoene J., Van Poppel H., Joniau S.
Department of Urology, University Hospitals Leuven, Belgium

P-04  Radiofrequency and microwave in albumin
Salas N.\(^{(1,2)}\), Leveillee R.J.\(^{(1,2)}\), Dummett S.\(^{(1,2)}\), Aguilar M.\(^{(3)}\)
\(^{(1)}\) Joint Biomedical and Endourology Developmental Surgical (JBEDS) Laboratory, Division of Endourology, Laparoscopy, and Minimally-Invasive Surgery, Department of Urology, University of Miami Miller School of Medicine, Miami, FL, USA;
\(^{(2)}\) Department of Biomedical Engineering, College of Engineering, University of Miami, Coral Gables, FL, USA;
\(^{(3)}\) Ophthalmic Biophysics Center, Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, FL, USA

P-05  Impact of Pneumoperitoneum on Iceball Size in Renal Cryotherapy
Young J.L., Cervando G. Ortiz-Vanderdys C.G., McCormick D.W., Huynh V.B.,
Kaplan A.G., Jain N. S., Pick D. L., Louie M. K., Andrade L. A., Osann K. E.,
McDougall E. M. and Clayman R. V.
University of California, Irvine, USA

P-06  Ice Burn: Protecting the Flank during Renal Cryotherapy
Young J.L., Kolla S.B., Pick D.L., Sountoulides P., Kaufmann O.G., Huynh V.B.,
Kaplan A.G., Ortiz-Vanderdys C.G., Louie M.K., Andrade L.A., Osann K.E.,
McDougall E.M., Clayman R.V.
University of California, Irvine, USA

P-07  Are multiple cryoprobes additive or synergistic in renal cryotherapy?
University of California, Irvine, USA

P-08  In vitro, Ex vivo and In Vivo Isotherms for Renal Cryotherapy
Young J. L., Kolla S. B., Pick D. L., Osann K. E., Sountoulidis P., Kaufmann O. G.,
Ortiz-Vanderdys C. G., Kaplan A. G., Huynh V. B., McDougall E. M. and Clayman R. V.
University of California, Irvine, USA

P-09  Advanced techniques in renal RFA
Butani D., Moorthy M., Erturk E., Saad W., KitanoSono T., Sasson T., Waldman D.
University of Rochester, Rochester, USA
P-10  Predictive Factors for CKD after Curative Surgery in Small Kidney Tumors
Lee E., Jeon W.G., Bae J.B., Lee S.E.
Department of Urology, Seoul National University Hospital, Seoul, Korea

P-11  Irreversible electroporation in in-vivo porcine kidneys
Leveillee R.J.(1,2), Salas N.(1,2), Jorda M.(3), Moore C.(1), Sierra M.E.(3), Shields J.(1)
(1) Joint Bioengineering and Endourology Developmental Surgical Laboratory, Division of Endourology, Laparoscopy, and Minimally-Invasive Surgery, Department of Urology, University of Miami Miller School of Medicine, Miami, FL, USA;
(2) Department of Biomedical Engineering, University of Miami, Coral Gables, FL, USA;
(3) Department of Pathology, University of Miami Miller School of Medicine, Miami, FL, USA

P-12  Synchronised real-time ultrasound and 3D-CT scan navigation during percutaneous renal cryoablation
Haber G.P., Crouzet S., Colombo J.R., Remer E., O’Malley C., Ukimura O., Magi-Galluzzi C., Spaliviero M., Kaouk J.H.
Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA

P-13  NOTES (Natural Orifice Translumenal Endoscopic Surgery) renal cryoablation in the porcine model
Crouzet S.(1), Haber G.P.(1), Kamoi K.(1), Brethauer S.(2), Gatmaitan P.(2), Kaouk J.(1)
(1) Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA;
(2) Bariatric and Metabolic Institute, Cleveland Clinic, Cleveland, USA

P-14  The role of multi-slice computer tomography with 3D reconstruction in the nephron-sparing management of renal tumors
Bucuras V.(1), Bardan R. (1), Comsa C.(1), Jude C. (1), Secasan C. (1), Miclaus G. (2)
(1) Department of Urology, Clinical Emergency Hospital, Timisoara, Romania,
(2) Neuromed Imaging Clinic, Timisoara, Romania

Poster Session II – Renal Treatment - Focal Therapies
(Hall Windsor Zaal)
Moderators: Krijn van Lienden – Andreas Skolarikos

P-15  Technology and therapy: Paradigm shifts in the treatment of renal cancer -University of California Irvine Experience
Sountoulides P., Louie M.K., Pick L.D, Kaufmann O.G., Lee H., McDougall E., Ornstein D., Dash A., Clayman R.V.
Urology Department, University of California, Irvine, USA

P-16  Percutaneous Radiofrequency ablation of renal cell carcinoma: follow up in patient with increased comorbidity
Brehmer B., Firek P., Mahnken A.H., Heidenreich A.
Urologic University Clinic Aachen, Germany

P-17  Radiofrequency ablation and cryoablation for renal tumours: systematic review of complications and intermediate-term outcome results
Joniau S., Van Haute C., Oyen R., Van Poppel H.
Department of Urology, University Hospital, K.U. Leuven, Leuven, Belgium
P-18 Results of HfA in patients with small renal masses, a single-centre experience with median follow-up of 48 months
Joniau S., Tailly Th., Goeman L., Oyen R., Van Poppel H.
Department of Urology, University Hospital Leuven, Leuven, Belgium

P-19 Radiofrequency ablation versus nephron-sparing surgery in the treatment of small renal tumors in patients with a solitary kidney: matched analysis of 29 patients
Van Den Bossche H., Tailly Th., Arun J., Oyen R., Van Poppel H., Joniau S.
Department of Urology, University Hospital Leuven, Leuven, Belgium

P-20 Radiofrequency ablation of small renal masses: Prognostic implications of a history of RCC and solitary kidney
Tailly Th., Oyen R., Van Poppel H., Joniau S.
Department of Urology, University Hospital Leuven, Leuven, Belgium

P-21 Percutaneous salvage radio-frequency ablation (RFA) for post-chemotherapeutic metastatic germ cell tumors and metastatic kidney cancer
Terukazu Nakamura, Akihiro Kawachi, Takuji Yamagami, Kazuya Mikami, Natsuki Takaha, Osamu Ukimura, Tsunehiko Nishimura, Tsuneharu Miki
Department of Urology, Kyoto Prefectural University of Medicine, Kyoto, Japan

P-22 Laparoscopic and percutaneous cryoablation for renal tumors: a two-institution experience
Polascik T.J.(1), Tsivian M.(1), Mayes V.(1), Mouraviev V.(1), Wynia B.(2), Shingleton B.(2)
(1) Division of Urology, Department of Surgery, Duke University Medical Center, Durham, NC, USA
(2) University of North Carolina, Chapel Hill, NC, USA

P-23 Laparoscopic cryoablation of small renal masses
Gulur D.M., Chua W.J., Kumar V., Keeley Jr. F.X.
Bristol Urological Institute, Westbury on Trym, Bristol, United Kingdom

P-24 Ultrasound-guided cryotherapy of prostate and kidney cancer in day surgery
Larsen U.T.(1), Felsby S.(1), Borre M.(2), Solvig J.(2), Bjerklund Johansen T.E.(2)
(1) Department of Anaesthesiology and Intensive Care, Day Surgical Clinic
(2) Department of Urology
(3) Department of Diagnostic Imaging and Radiology, Aarhus University Hospital Skejby, Denmark

P-25 Laparoscopic versus percutaneous renal cryoablation
Crouzet S., Haber G.P., Kamoi K., Goel R., Kaouk J.
Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA

P-26 Tumor in solitary kidney: laparoscopic partial nephrectomy versus laparoscopic cryoablation
Crouzet S., Haber G.P., Kamoi K., Gill I.S., Kaouk J.
Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA

P-27 Single Port Access Renal Cryoablation
Crouzet S., Goel R.K., Haber G.P., White W., Kaouk J.H.
Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA
P-28 Stereotactic percutaneous cryoablation for renal tumor
Haber G.P., Crouzet S., O’Malley C., Remer E., Kamo K., Goel R.K., White W., Kaouk J.H.
Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA

P-29 Tumor size and endophytic growth pattern affect recurrence rates after laparoscopic renal cryoablation
(1) Duke University Medical Center, Durham, USA
(2) Allegheny General Hospital, Pittsburgh, USA

P-30 Feasibility kidney ablation MR guided radiotherapy
Kerkhof E.M., Raaymakers B.W., van Vulpen M., Zonnenberg B.A., Bosch J.L.H., Lagendijk J.W.
(1) Department of Radiation Oncology, University Medical Center Utrecht, Utrecht, The Netherlands
(2) Department of Internal Medicine, University Medical Center Utrecht, Utrecht, The Netherlands
(3) Department of Urology, University Medical Center Utrecht, Utrecht, The Netherlands

P-31 Perioperative morbidity of laparoscopic renal cryoablation: a multicentre experience
(1) Department of Urology, AMC University Hospital, Amsterdam, The Netherlands
(2) Bristol Urological Institute, Southmead Hospital, Bristol, UK, Department of Urology
(3) Medical University of Vienna, Vienna, Austria
(4) Department of Urology, University Hospital of Basel, Basel, Switzerland
(5) Department of Urology, St George’s Hospital, London, UK

P-32 Design of a unique loosely wound radiofrequency coil for tumour ablation
Sherar M.D., Weersink R., Zhang K., Zuniga A., McCann C., Taylor M., Jewett M.A.S.
(1) Princess Margaret Hospital/University Health Network
(2) University of Toronto

Poster Session III- Prostate Basic Research & Imaging
Moderators: Alain Le Duc - Santiago Isorna Martinez de la Riva

P-33 Is focal therapy an option for the majority of localised prostate cancer? A histopathological study of contemporary UK Radical Prostatectomies series
Aslam M., Kheradmund F., Turner G., Brewster S. F.
Oxford Radcliffe Hospitals, Oxford, UK

P-34 Incidental prostate cancer. A malignancy while treating a benign disease
Xoxakos I., Sotiropoulou G., Rompolis D., Chatzinicolau V., Kalyvas Ch., Louka G., Stokidis D.
(1) Department of Urology, General Hospital of Korinthos, Greece
(2) Department of Pathology, General Hospital of Korinthos, Greece
**Focal Therapy and Imaging**

in Prostate & Kidney Cancer

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**P-35** Transrectal ultrasound prostate volume at biopsy predicts clinically significant upgrading after radical prostatectomy
Seung Chol Park, Hyung-Lae Lee(1), Tae Gyun Kwon(2), Sang Hyun Cheon(3), Hyung Jin Kim(4)

(1) Wonkwang University, IkSan, Kyung Hee University, Seoul,
(2) Kyungpook National University, Daegu,
(3) Ulsan University, Ulsan,
(4) Chonbuk National University, Jeonju

**P-36** Diagnostic Accuracy of MRI targeted vs random systematic biopsies for detection of significant volume prostate cancer
Haffner J., Villers A., Puech Ph., Potiron E., Lemaitre C., Leroy X., Biserte J., Lemaitre L.
Department of Urology, Lille University, Lille, France

**P-37** Can the conventional sextant prostate biopsy reliably diagnose unilateral prostate cancer in low-risk localized prostate cancer?
Mayes J. M., Mouraviev V., Sun L. 1, Madden J. F., Polascik T. J.
Duke University Medical Center, Durham, USA

**P-38** Predicting unilaterality of prostate cancer on biopsy: Sextant versus extended
Tsivian M., Kimura M., Sun L., Mouravivev V., Mayes J. M., Moul J. W., Polascik Th. J.
Duke University Medical Center, Durham NC, USA

**P-39** Template Transperineal Prostate Mapping Biopsies for Prostate Cancer Risk Stratification and Cancer Localisation
Ahmed H.U. (1), Stevens D. (1), Barbouti O. (1), Sahu M. (1), Arumainayagam N. (1),
Govindaraju, S. (1), Freeman, A. (2), Emberton M. (1)
(1) Division of Surgery and Interventional Sciences, University College London, UK
(2) Department of Histology, UCLH Foundation NHS Trust, London, UK

**P-40** Free hand 3D-TRUS prostate biopsies mapping
Mozer P. (1), Baumann M. (2), Chevreau G. (1,2), Daanen V. (3), Renard-Penna R. (4), Trocza J. (2)
(1) Department of Urology, Pitié-Salpêtrière Hospital, Pierre et Marie Curie University (Paris VI) Paris, France.
(2) TIMC Laboratory, IN3S, Faculté de Médecine, Domaine de la Merci, 38706 La Tronche Cedex, France.
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(4) Department of Radiology, Pitié-Salpêtrière Hospital, Pierre et Marie Curie University (Paris VI) Paris, France

**P-41** Conventional prostate biopsy predicts the laterality of dominant disease among men with bilateral prostate cancer on radical prostatectomy (RP)
Dakwar G., Tareen B., Lepor H., Taneja S. S.
New York University Department of Urology, Beth Israel Medical Center Department of Urology, New York, NY, USA

**P-42** Acoustic radiation force impulse (ARFI) imaging of human prostate in vivo
Zhai L. (1), Mouraviev V. (2), Madden J. F. (3), Polascik T. J. (3), Nightingale K. (1)
(1) Department of Biomedical Engineering
(2) Department of Surgery
(3) Department of Pathology, Duke University Medical Center, Durham, NC, USA
Molecular imaging of prostate cancer in vivo using a targeted contrast agent in intermolecular multiple-quantum coherences MRI experiments
(1) Duke Prostate Center, Duke Medical University Center, (2) Duke University, NC, (3) Duke Comprehensive Cancer Center, NC, (4) Louisiana State University, LU, USA

Prostate Cancer Detection: biopsy findings based on tissue alterations in real time Elastography and T2 weighted endorectal magnetic resonance imaging
(1) Dept. of Radiology, Innsbruck, Austria, (2) Dept. of Urology, Innsbruck, Austria

Image registration for guiding biopsy and focal therapy of prostate cancer
(1) Centre for Medical Image Computing, University College London, London, UK, (2) Department of Urology, Division of Surgery & Interventional Science, University College London, London, UK, (3) Department of Radiology, University College London Hospital (UCLH), London, UK.

Contrast enhanced transrectal ultrasound imaging (CETRUS) - possible correlation with histology
Witzsch U., Hieronymi S., Voss G., Becht E. Klinik fur Urologie und Kinderurologie, Krankenhause Nordwest, Frankfurt, Germany

Potential role of prostate histoscanning in focal therapy
(1) University College London, Division of Surgery and Interventional Sciences, London, United Kingdom, (2) Bostwick Laboratory, London, United Kingdom, (3) Advanced Medical Diagnostics, Medical Affairs, Waterloo, Belgium, (4) Universiteit Hospital Brussels, Dept. of Urology, Brussels, Belgium, (5) Semmelweis Medical University, Dept. of Urology, Budapest, Hungary, (6) Faculty Hospital Olomouc, Dept. of Urology, Czech Republic, (7) Institut Jules Bordet Brussels, Urology, Brussels, Belgium, (8) International Agency for Research on Cancer, Lyon, France

Multiphoton microscopy imaging of periprostatic tissue architecture for improving clinicopathologic outcomes of nerve-sparing radical prostatectomy: initial results from ex vivo rat and human prostatectomy models
Tan G.Y., Herman M.P., Yadav R., Mukherjee S., Maxfield F.R., Webb W.W., Tewari A.K. Weill Medical College of Cornell University, New York, USA
Focal Therapy and Imaging in Prostate & Kidney Cancer

P-49 Prostate MRI for cancer localization - What are we missing?
(1) Joint Department of Medical Imaging, Princess Margaret Hospital, University Health Network and Mount Sinai Hospital, Toronto, Ontario, Canada.
(2) Institute of Medical Sciences, University of Toronto, Toronto, Ontario, Canada.
(3) Department of Pathology and Laboratory Medicine, Toronto General Hospital, University Health Network, Toronto, Ontario, Canada.
(4) Department of Surgical Oncology, Princess Margaret Hospital, University Health Network, Toronto, Ontario, Canada.
(5) Medical Biophysics, University of Toronto, Ontario Cancer Institute, Toronto, Ontario, Canada

P-50 Can MRI improve the predictive ability of biopsy in identifying men for hemiablated focal therapy?
Tareen B., Ito T., Godoy G., Dakwar G., Taouli B., Taneja S.S.
New York University Department of Urology, Beth Israel Medical Center Department of Urology, New York, USA

P-51 Feasibility of MR spectroscopy (1H-MRS) for the evaluation of recurrence after the targeted focal therapy (TFT) with High-Intensity Focused Ultrasound (HIFU) in the treatment of localized prostate cancer
Satoru Muto, Keisuke Saito, Hisamitsu Ide, Shigeo Horie
Department of Urology, Teikyo University, Tokyo, Japan

P-52 Multi-functional MRI using dynamic contrast enhancement and diffusion weighting to detect localised recurrence in radio-recurrent prostate cancer
(1) The Division of Surgery and Interventional Sciences, University College London, UK;
(2) The Department of Radiology, University College Hospital, London, UK;
(3) The Department of Oncology, University College Hospital, London, UK;
(4) The Department of Histopathology, University College Hospital, London, UK

P-53 Contrast-ultrasound diffusion imaging of the prostate
(1) Dept. of Electrical Engineering, Eindhoven University of Technology, the Netherlands,
(2) Dept. of Urology Research, Academic Medical Center, Amsterdam, the Netherlands,
(3) Dept of Urology, Catharina Hospital, Eindhoven, the Netherlands

P-54 8 and 12 core TRUS guided PBPs achieve similar PCa detection
(1) Department of Urology
(2) Pathology,
(3) Epidemiology, AMC University Hospital, Amsterdam, The Netherlands

P-55 MRI Guided Needle Navigation in Prostate Cancer Targeting
(1) Princess Margaret Hospital, Toronto, Canada
(2) Sentinelle Medical, Toronto, Canada
(3) Queen’s University, Kingston, Canada
Poster Session IV- Prostate Treatment-Focal Therapies

Moderators: Christian Chaussy (DE) - Thomas Polascik (USA)

P-56
Is focal therapy of localized prostate cancer feasible in the United Kingdom? A histopathological analysis of tumour characteristics and the index lesion
Karavitakis M. (2), Beckley I. (1), Livni N. (1), Abel P. (1, 2), Winkler M. (1, 2), Ahmed H.U. (1, 3)
(1) Imperial College Healthcare NHS Trust, London, UK,
(2) Imperial College London, UK,
(3) Division of Surgery and Interventional Sciences, University College London, UK

P-57
Is there a role for Index Lesion Ablation in Focal Therapy of Prostate Cancer?
(1) Division of Surgery and Interventional Sciences, University College London, UK,
(2) Department of Radiology, University College London Hospital, UK,
(3) Department of Histopathology, University College London Hospital, UK

P-58
Is it sufficient to treat index lesion alone in multifocal prostate cancer?
(1) Division of Surgery and Interventional Science, University College London, UK
(2) Bostwick Laboratories, London, UK

P-59
Pulsed dose-rate (PDR) brachytherapy boost for intermediate to high-risk prostate cancer
Departments of Urology and Radiotherapy, AMC University Hospital, Amsterdam, The Netherlands

P-60
Cyberknife stereotactic radiotherapy as monotherapy for early stage prostate cancer: The Rotterdam experience
Aluwini S. (1), Van Rooij P. (1), Hoogeman M. (1), Bangma C. (2), Kolkman-Deurloo I.K. (1)
(1) Erasmus MC,
(2) Daniel den Hoed Cancer Center, Rotterdam, Radiation Oncology department

P-61
HDR brachytherapy as monotherapy for early stage prostate cancer: The Rotterdam experience
Aluwini S. (1), van Rooij P. (1), Kerkels W. J. (2), Bangma C. (2), Kolkman-Deurloo I.K. (1)
(1) Erasmus MC,
(2) Daniel den Hoed Cancer Center, Rotterdam, Radiation Oncology department

P-62
Prostate histotripsy: non-thermal mechanical tissue ablation
Departments of Urology and Biomedical Engineering, University of Michigan, Ann Arbor, MI, USA

P-63
Zonal HIFU treatment for localized prostate cancer, preliminary results at 12 months follow-up, Brussels experience
van Velthoven R., Limani K., Fahti H., Peltier A.
Departments of Urology, Institut Jules Bordet, Universite Libre de Bruxelles, Brussels, Belgium
P-64 A Phase II Trial assessing the role of Focal Ablation using HIFU in Localised Prostate Cancer: interim results
(1) Division of Surgery and Interventional Sciences, UCLH Foundation NHS Trust, University College London, UK,
(2) Department of Radiology, UCLH Foundation NHS Trust, University College London, UK,
(3) Department of Histology, UCLH Foundation NHS Trust, UK

P-65 A Phase II Trial Assessing the Role of Focal Therapy (Hemiablation) of Unilateral Prostate Cancer using High Intensity Focused Ultrasound
(1) Division of Surgery and Interventional Sciences, University College London, UK,
(2) Department of Radiology, UCLH Foundation NHS Trust, UK,
(3) Department of Histology, UCLH Foundation NHS Trust, UK

P-66 Neoadjuvant androgen suppression in high intensity focused ultrasound therapy for localized prostate cancer
Wansuk Kim, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee
Samsung Medical Center, Seoul, Korea

P-67 Feasibility of focal salvage HIFU for prostate cancer recurrence
(1) Division of Surgery and Interventional Science, University College London
(2) Department of Histology, UCLH NHS Foundation Trust
(3) Department of Radiology, UCLH NHS Foundation Trust, UK

P-68 Focal therapy with HIFU for prostate cancer in elderly: feasibility study with 10 years follow up
Barret E., Prapotnich D., Cathelineau X., Rozet F., Vallancien G.
Department of urology, Institut Montsouris, Universite Paris Descartes, Paris, France

P-69 Prostate cryoablation as primary treatment of prostate cancer: oncological results with follow-up biopsy
(1) Institute of Urology
(2) Institute of Pathological Anatomy and Histopathology, Polytechnic University of Marche Region, Torrette United Hospitals, Ancona
(3) International Society of Cryosurgery, Villa Salus, Trieste, Italy

P-70 Initial experience of photodynamic therapy in prostate cancer patients
Alekseev B.Y., Bystrov S.V., Rusakov I.G., Sokolov V.V., Chissov V.I.
Moscow Hertzen Oncology Institute, Moscow, Russia

P-71 Third-Generation Cryosurgery of Prostate Cancer: Initial Dutch Results
Vergunst H., Broers E.M.P., Langenhuijsen J. F.
Canisius-Wilhelmina Hospital, Nijmegen, The Netherlands

P-72 Salvage cryotherapy for radio recurrent prostate cancer
Mevcha A., Kumar V., Probert J., Gillatt D.
Bristol Urology Institute, Southmead Hospital, Bristol, UK
P-73 WST-09 Mediated photodynamic therapy for prostate cancer
Arumainayagam N.\textsuperscript{(1)}, Ahmed H.U.\textsuperscript{(1)}, Sahu M.\textsuperscript{(1)}, Pendse D.\textsuperscript{(2)}, Moore C.M.\textsuperscript{(1)}, Allen C.\textsuperscript{(2)}, Mosse A.M.\textsuperscript{(3)}, Bown S.G.\textsuperscript{(3)} and Emberton M.\textsuperscript{(1)}
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\textsuperscript{(2)}The Department of Radiology, University College London Hospital
\textsuperscript{(3)}National Medical Laser Centre, University College London, London, UK

P-74 WST-11 Mediated photodynamic therapy for prostate cancer
Arumainayagam N.\textsuperscript{(1)}, Moore C.M.\textsuperscript{(1)}, Ahmed H.U.\textsuperscript{(1)}, Sahu M.\textsuperscript{(1)}, Kumaar S.\textsuperscript{(1)}, Pendse D.\textsuperscript{(2)}, Mosse A.M.\textsuperscript{(3)}, Allen C.\textsuperscript{(2)}, Bown S.G.\textsuperscript{(3)}, Emberton M.\textsuperscript{(1)}
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\textsuperscript{(3)}National Medical Laser Centre, University College London, London, UK

P-75 Robot-Assisted MRI-Guided Prostatic Interventions
Lindner U.\textsuperscript{(1)}, Goldenberg A.\textsuperscript{(2)}, Haider M.A.\textsuperscript{(1)}, Kucharczyk W.\textsuperscript{(1)}, Sussman M.\textsuperscript{(1)}, Yi Y.\textsuperscript{(2)}, Ma L.\textsuperscript{(2)}, Trachtenberg J.\textsuperscript{(1)}
\textsuperscript{(1)}Princess Margaret Hospital, University Health Network, Toronto, ON, Canada
\textsuperscript{(2)}Engineering Services Inc. Toronto, Canada

P-76 Are Men Diagnosed With Prostate Cancer on Repeat Biopsy Better Candidates for Active Surveillance than Men Diagnosed on First Biopsy?
Abraham N., Lepor H., Taneja S.S.
New York University Department of Urology, New York, USA

Poster Sessions V (P77-P91)
Non - Discussion Posters

P-77 The change of quality of life due to urinary symptoms after treatment of luteinizing hormone releasing hormone agonist leuprolide acetate for patients with severe BPH
Jung Moon Heo
Busan Veterans Hospital, Busan, Korea, Urology, Busan, Korea

P-78 The comparison between efficacy of Tamsulosin and Terazosin in alpha-adrenergic blockers after ESWL (A double blind clinical trial)
Tajari H. Pedram P.M., Keshtkar A.A., Ghazi Moghadam B., Amid A.
Gorgan University of medical sciences, Gorgan, Iran

P-79 Plasma membrane markers for papillary renal cell carcinoma
Sanford T., Linehan W.M., Bratslavsky B.
Urologic Oncology Branch, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, USA

P-80 Laparascopic Surgery of Primary Renal Lymphoma
Siavash Falahatkar, Seyyedeh Atefeh Emadi, Marzieh Akbarpour
Guilan University of Medical Sciences,Urology research Center, Rasht, Iran

P-81 Standard, hand-assisted and robot assisted laparoscopic partial nephrectomy in T1 renal tumors: group Florence Nightingale experience
Kural A.R., Tufek I., Akpınar H., Atug F.
Bilim University, Florence Nightingale Hospital, Istanbul, Turkey
P-82 Sarcomatoid renal cancer. A case report
Sotiropoulou G. (1), Xoxakos I. (1), Chatzinicolaou V. (1), Rompolis D. (2), Kalyvas Ch. (2), Louka G. (2), Stokidis D. (2)
(1) Department of Pathology, General Hospital of Korinthos, Greece
(2) Department of Urology, General Hospital of Korinthos, Greece

P-83 Development and evaluation of a transrectal ultrasound (TRUS)
Crouzet S., Kamo K., Kaouk J.H., Gill I.S., Haber G.P.
Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA

P-84 Incomplete obstructive ileum as first event of locally advanced prostate cancer
Daligkaros G., Kikidakis D., Kirttooopoulos P.
Department of Urology, General Hospital of Veria, Greece

P-85 Contrast enhanced transrectal ultrasound imaging - Identifying patterns
Witzsch U., Hieronymi S., Becht E.
Klinik fur Urologie und Kinderurologie, Krankenhaus Nordwest, Frankfurt, Germany

P-86 Assessment of Atorvastatin effectiveness on serum PSA level in hypercholesterolemic males
Falahatkar S., Khasropanah I., Panahandeh Z., Farhat B.
Guilan University of Medical Sciences, Urology Research Center, Rasht, Iran

P-87 Primary signet ring cell carcinoma of the prostate
Xoxakos I. (1), Sotiropoulou G. (2), Rompolis D. (1), Chatzinicolaou V. (2), Kalyvas Ch. (1), Stokidis D. (1)
(1) Department of Urology, General Hospital of Korinthos, Greece
(2) Department of Pathology, General Hospital of Korinthos, Greece

P-88 CLL and leukaemic infiltration of the prostate
Rompolis D. (1), Xoxakos I. (1), Sotiropoulou G. (2), Chatzinicolaou V. (2), Kalyvas Ch. (1), Stokidis D. (1)
(1) Department of Urology, General Hospital of Korinthos, Greece
(2) Department of Pathology, General Hospital of Korinthos, Greece

P-89 Is focal salvage therapy possible in prostate ca recurrence?
(1) Division of Surgery and Interventional Science, University College London
(2) Department of Histopathology, University College London Hospitals NHS Trust, London, UK

P-90 Synchronous primary prostate and urinary bladder cancer
Xoxakos I. (1), Sotiropoulou G. (2), Chatzinicolaou V. (2), Rompolis D. (1), Kalyvas C. (1), Stokidis D. (1)
(1) Urology department-G.H.Korinthos-Greece,
(2) Pathology department- G.H.Korinthos-Greece,

P-91 Uiss and ssign scores in asian patients with renal cell carcinoma
(1) Dept of Urology, Singapore General Hospital;
(2) Medical Oncology, National Cancer Centre Singapore