

# Contents

Welcome Message .....	3
Committee Members .....	4
Access .....	5
Schedule .....	6
Floor Plan .....	9
General Information .....	10
Information for Chairs and Speakers .....	12
Award and Social Programs .....	15
Acknowledgements .....	16
Lecture .....	17
Guideline .....	34
Symposium .....	36
Oral Session .....	64
Moderated Poster .....	68
Free Poster .....	71
Luncheon Seminar .....	76
Hands-on Seminar / Presidential Seminar .....	77
Index .....	80



# Welcome Message

Dear Colleagues!

On behalf of the Organizing Committee, it is our great pleasure to welcome you to the 13th International Symposium on Urolithiasis (ISU2016) to be held in Makuhari, Japan from July 19th to 22nd, 2016. ISU2016 is the thirteenth symposium in a series of international symposia which started in Leeds, UK in 1968 and which have been subsequently held every four years in different parts of the world.

The Program Committee of ISU2016 have selected the most intriguing topics on urolithiasis research and clinical aspects of stone disease. Scientists and physicians of different specialties and fields from all over the world will meet to exchange new ideas and knowledge in the history, metaphylaxis, epidemiology, pathogenesis, diagnosis and medical/surgical management of urinary stones.

There will be 12 keynote lectures and 10 symposia delivered by international faculty and distinguished leaders in this field. Guideline lectures will be given by AUA and EAU faculties. Hands-on seminar on endourology will be scheduled during the congress period.

Makuhari is conveniently located between Narita International Airport and Haneda Airport. Only 20 minutes away is the Tokyo Disney Resort, the world-famous theme park. You can visit traditional and historical places through Tokyo station, the gateway of Japan, which is just 30 minutes away by train.

We hope you will get new insights and innovations at this meeting and enjoy your stay in Makuhari!

Sincerely yours,



A stylized, handwritten signature in black ink, appearing to read 'Tomohiko Ichikawa'.

**Tomohiko Ichikawa, M.D., Ph.D.**  
Congress President



A stylized, handwritten signature in black ink, appearing to read 'Katsuhito Miyazawa'.

**Katsuhito Miyazawa, M.D., Ph.D.**  
Co-Congress President

## Committee Members

### Honorary President

Koji Suzuki, Japan

### Congress President

13th International Symposium on Urolithiasis

Tomohiko Ichikawa, Japan

### Co-Congress President

13th International Symposium on Urolithiasis

Katsuhito Miyazawa, Japan

### Congress President

26th Annual Meeting of Japanese Society on Urolithiasis Research

Yukio Naya, Japan

### Steering Committee

Walter L. Strohmaier, Germany

Rosemary L. Ryall, Australia

William G. Robertson, UK

Allen L. Rodgers, South Africa

Hans-Göran Tiselius, Sweden

Glenn M. Preminger, USA

Fazil Y. Marickar, India

Alberto Trinchieri, Italy

Philippe Jaeger, UK

Nestor Schor, Brazil

Marguerite Hatch, USA

Saeed R. Khan, USA

Kemal Sarica, Turkey

Katsuhito Miyazawa, Japan

### Local Organizing Committee

#### ◆ Finance Committee

Chairman: Isao Hara, Japan

Member: Yasuo Kohjimoto, Japan  
Satoshi Yamaguchi, Japan

#### ◆ PR Committee

Chairman: Takahiro Yasui, Japan

Member: Atsushi Okada, Japan

#### ◆ Program Committee

Chairman: Tatsuya Nakatani, Japan

Member: Taro Iguchi, Japan  
Shinichi Sakamoto, Japan  
Nobuyo Morita, Japan

#### ◆ International Committee

Chairman: Kikuo Nutahara, Japan

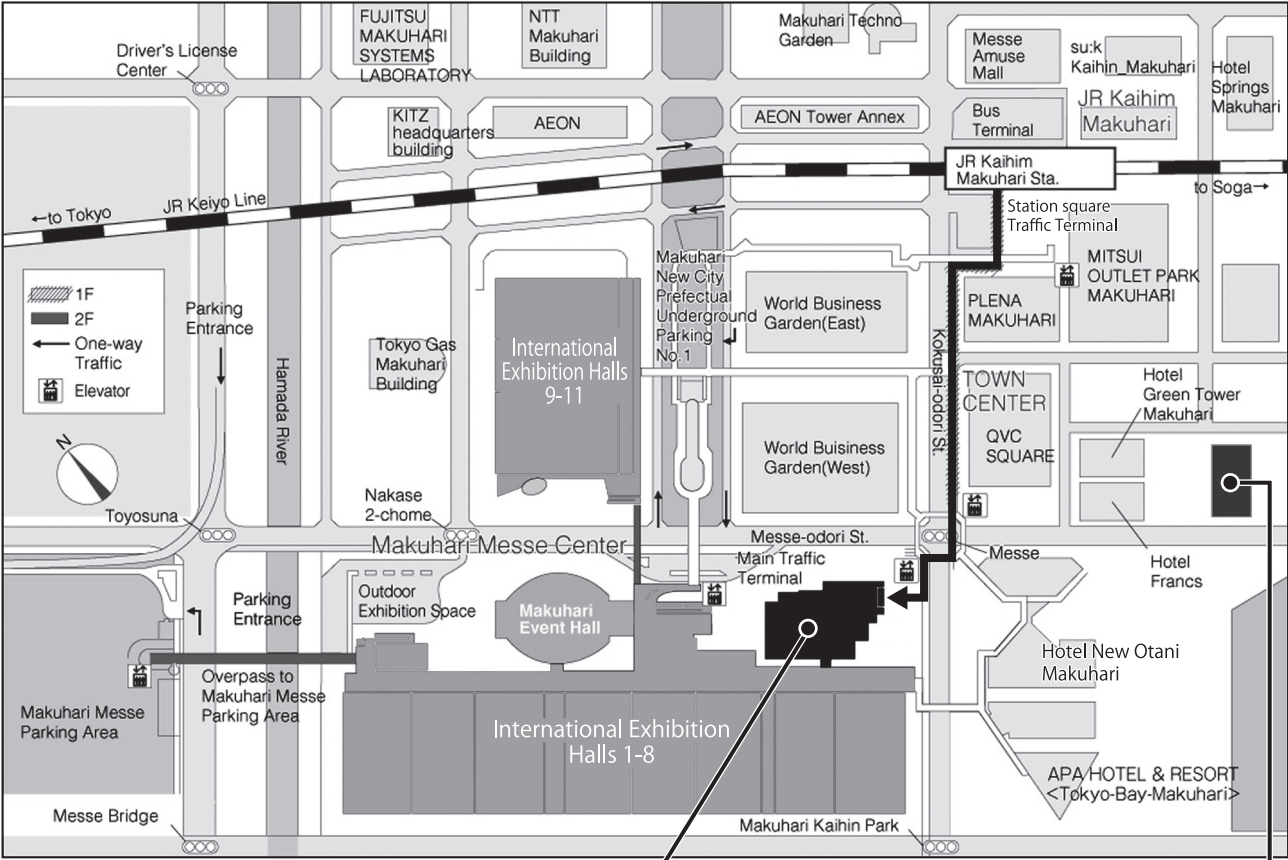
#### ◆ Exhibition Committee

Chairman: Takashi Arakawa, Japan

#### ◆ Audit Committee

Member: Keiichi Tozawa, Japan  
Motoyuki Masai, Japan

# Access



**Makuhari Messe International Conference Hall**  
 The Venue for ISU2016

**HOTEL THE Manhattan**  
 Gala Dinner

# Schedule

## Day1: July 19 (Tue)

JSUR2016: 26th Annual Meeting of Japanese Society on Urolithiasis Research  
(Language: Japanese)

Time	Room1	Hands-on Seminar	ISU Poster/ Exhibition		
	2F International Conference Room	3F 302	2F Convention Hall A		
7:30		(JSUR2016)			
8:00					
9:00	8:45-9:00 <b>Welcome Remarks</b>	9:00-13:00	9:00-10:00  <b>ISU Poster Mounting</b>		
	9:00-9:30 <b>Lecture 1</b> Extracorporeal shock wave lithotripsy (ESWL)				
9:30-10:00 <b>Lecture 2</b> Residual fragments: definition, evaluation and management					
10:00-10:48 <b>Oral Session 1</b> Diagnosis and economics of urolithiasis O-01 ~ 04					
11:00	11:00-12:00  <b>Symposium 1</b> Radiographic diagnosis and treatment of urolithiasis				
12:00					
	12:10-13:10 <b>Luncheon Seminar 1</b> Androgen Receptor and Stone-CaOx Crystal Formation ~ Urinary, Prostate, Kidney ~ Janssen Pharmaceutical K.K. / AstraZeneca K.K.				
13:00					9:00-18:45  <b>Exhibition</b>
	13:20-14:20 <b>Oral Session 2</b> Randall's plaques and hypercalciuria O-05 ~ 09				
14:00	14:20-14:50 <b>Lecture 3</b> Urinary risk factors for urolithiasis	14:00-16:00      (Japanese)	10:00-17:15  <b>ISU Poster Viewing</b>		
15:00	14:50-15:10 <b>Tea &amp; Coffee</b>	<b>Hands-on Seminar 1-1</b> OLYMPUS Hands-on Seminar ~Flexible URS: Learning A to Z~ OLYMPUS CORPORATION			
	15:10-16:10  <b>Symposium 2</b> Dietary habit and risk of urolithiasis				
16:00	16:10-17:10  <b>Symposium 3</b> Uric acid				
17:00			17:15-18:45  <b>Welcome Reception</b>		
18:00			17:30-18:30  <b>ISU Free Poster Discussion</b>		
19:00					
20:00					

JSUR2016: 26th Annual Meeting of Japanese Society on Urolithiasis Research  
(Language: Japanese)

– 7 –

 Simultaneous Translation (Japanese ↔ English)

### Day4: July 22 (Fri)

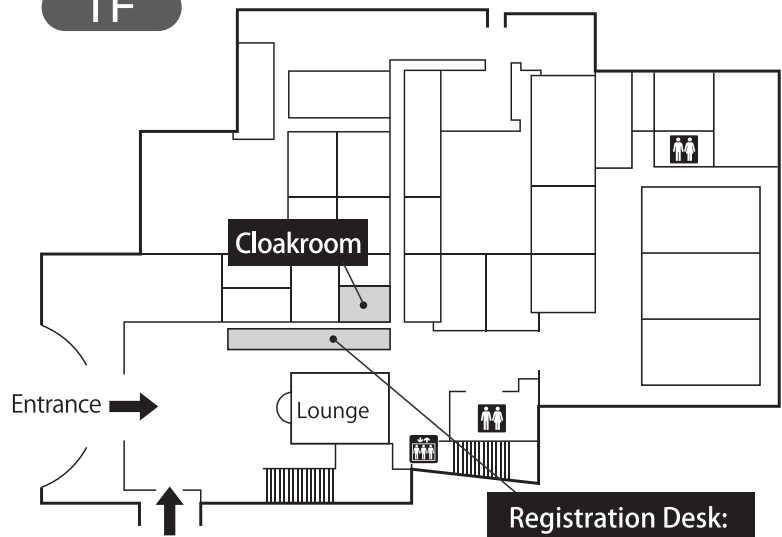
Room 1	
2F International Conference Room	
9:00-9:30	<b>Lecture 12</b> Cancelled
9:30-10:00	<b>Lecture 13</b> Future prospects for herbal remedies in the management of urolithiasis
10:00-10:48	<b>Oral Session 9</b> Urolithiasis in pediatrics and pregnant woman O-37 ~ 40
10:50-11:00	<b>Closing Remarks</b>



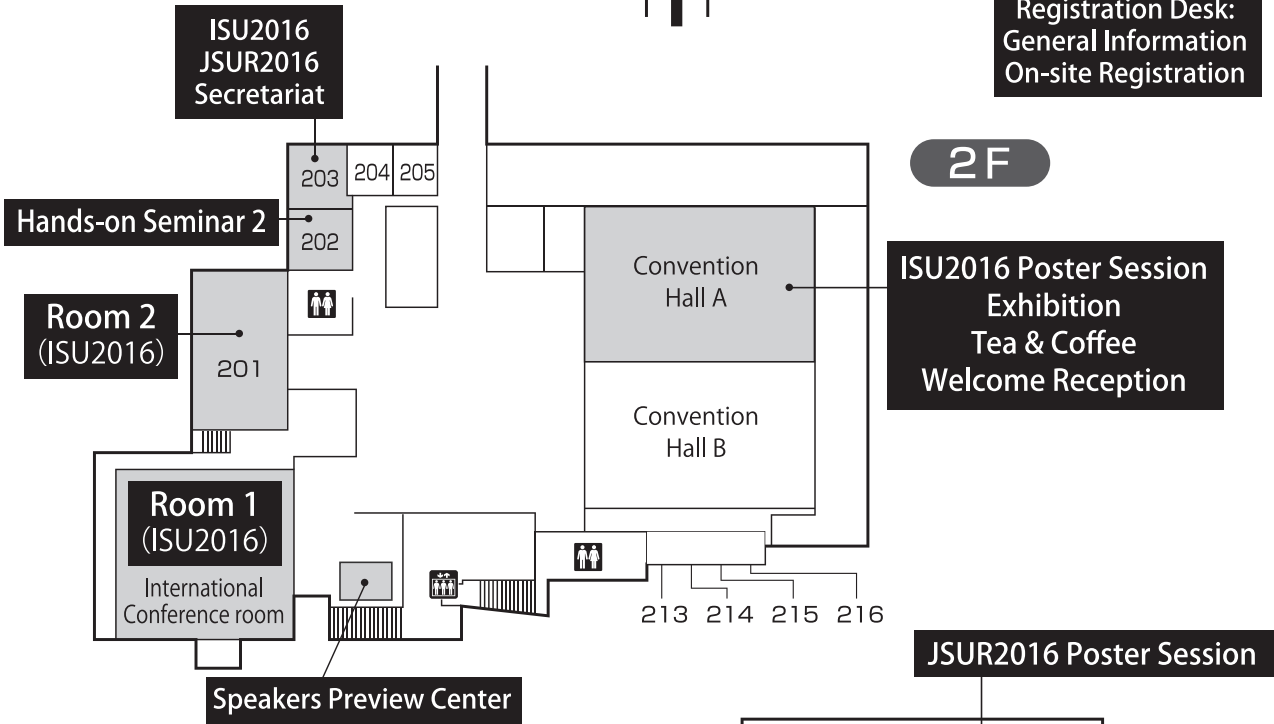
# Floor Plan



**1F**

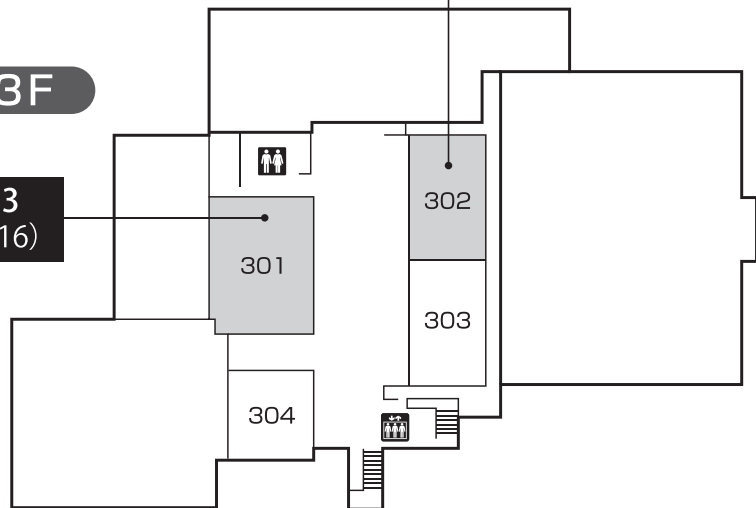


**2F**



**3F**

**Room 3 (JSUR2016)**



26th Annual Meeting of Japanese Society on Urolithiasis Research (JSUR2016) will be held on July 20 (Wed), on the 3F.

## General Information

### Outline

Date : Tuesday 19th - Friday 22nd July, 2016

Venue : Makuhari Messe 2-1, Nakase, Mihama-ku, Chiba-city, 261-8550 Japan

Secretariat : c/o Congress Corporation

Kohsai-kaikan Bldg., 5-1 Kojimachi, Chiyoda-ku, Tokyo, 102-8481 Japan

Official Website : <http://www.congre.co.jp/isu2016/index.html>

### Registration Desk

The on-site registration desk will be located on the 1st floor of the International Conference Hall.

Opening hours are as follows:

- Tuesday, 19th July : 8:00 - 16:30
- Wednesday, 20th July : 8:00 - 16:30
- Thursday, 21st July : 8:30 - 16:00
- Friday, 22nd July : 8:30 - 10:00

### Registration

REGISTRATION CATEGORIES	ON-SITE REGISTRATION
Doctor	JPY 50,000
Resident*	JPY 20,000
Medical staff / Student*	JPY 10,000
One day**	JPY 15,000
Accompanying Person***	JPY 15,000

Important:

Payments must be made by Japanese Yen (credit card is available).

\*The reduced registration fee for Resident, Student, Medical staff are only granted if appropriate certificate or identification card is provided at registration desk. Certificate format is available on official website.

\*\*One day fee allows attending ISU2016/JSUR2016 for just one day and you can select the day of your preference.

\*\*\*Accompanying Person can access exhibition area, but registration of Accompanying Person does not include access to scientific programs.

### Badge Identification

A name badge is provided at registration desk. For security and regulation purposes, the wearing of the badge is compulsory at all times both inside Makuhari Messe and at all official events organized within the context of the congress.

### Registration Cancellation Policy

No refund will be issued for cancellations received on or after Friday, 1st June, 2016 (JST) or for no-shows.

### Abstracts

Abstracts are published online (supplement issue of *Urolithiasis*).

You can access SpringerLink through ISU2016 official website and find the abstracts for free from Friday, 1st July to Wednesday, 31st August.

Note: It will no longer be free to access the supplement issue after Thursday, 1st September.

## Certificate of Attendance

A certificate of attendance will be printed and given to all the participants together with your name badge at the registration desk.

## Exhibition

Venue: Convention Hall A

Opening hours are as follows:

- Tuesday, 19th July : 9:00 - 18:45
- Wednesday, 20th July : 9:00 - 18:00
- Thursday, 21st July : 9:00 - 18:02

## Tea & Coffee

Tea and Coffee will be available to participants at the following hours and dates at Convention Hall A.

- Tuesday, 19th July : 14:50 - 15:10
- Wednesday, 20th July : 15:00 - 15:20
- Thursday, 21st July : 15:30 - 15:40

## Lunches and Doughnuts

Lunch boxes will be provided at all Luncheon Seminars without any charge.

Lunch boxes will be provided on a first come first served basis: please note that they are in limited supply.

Before the sessions on 20th~22nd morning, doughnuts will be served at the lobby on the 2nd floor.

## Hands-on Seminar

In parallel with the scientific program, hands-on seminar will be held on Thursday, 21st July at 202.

Hands-on seminar needs pre-registration. Please access official website for detailed information.

## Rules and Restrictions in the Venue

- It is prohibited to photograph, film or record the presentations and lectures of the Symposium.
- The venue is a non-smoking area. Please smoke only at the designated smoking areas.
- Please be sure to switch off all mobile phones or set them on silent mode upon entering the venue.

## Cloakroom

A cloakroom is located on the 1st floor. Please make sure that no personal belongings are left after sessions closing each day.

Opening hours are as follows:

- Tuesday, 19th July : 8:00 - 19:00
- Wednesday, 20th July : 8:00 - 19:15
- Thursday, 21st July : 8:30 - 18:15
- Friday, 22nd July : 8:30 - 11:15

## Internet Access

The Congress organizers have made available to the participants a Wi-Fi access. This access is free of charge and will be provided for the duration of the event.

## Lost and Found

Lost items should be returned to the General Information Desk which is located on the 1st floor. Should you lose anything, please report to this desk for assistance.

# Information for Chairs and Speakers

## Guidelines for Chairs

1. Please take a seat in the front row of the room specially reserved for the next session's chair, at least 10 minutes prior to the session that he/she is scheduled to chair.
  - \* For chairs of Moderated poster: Please come to Check-in Desk for chairs of Moderated poster in the Convention Hall A at least 10 minutes prior to your session.
2. As there will be no announcement or cue, please proceed to take the stage promptly at the appointed time and initiate the session. We request for your cooperation to ensure that your session proceeds according to the prescribed time limit/schedule.

## Disclosure of Conflict of Interest (COI)

All oral and poster presentations are required to show a slide disclosing any potential conflicts of interest. For oral presentation, please insert the COI slide in the second page of your presentation slides. For poster presentation, please place the COI slide at the bottom right of the poster panel. Please download the COI slide templates for the disclosures from the ISU2016 official website.

## Guidelines for Speakers of Oral Presentation

1. All presentation must be made in the form of PC presentation in English.
2. Presentation timekeeping
  - Please be punctual and carefully follow the allotted time limits.
  - Illuminating orange lamp indicates one minute remaining and red lamp indicates the end of your presentation.
3. Next Speaker's seat
  - When the presenter ahead of you takes the stage, please be seated in the Next Speaker's seat.
4. Notes on preparing your presentation data
  - The resolution of the screen will be XGA (1024 × 768).
  - Use only the standard fonts provided with Microsoft PowerPoint for Windows.
  - Virus scanning in advance is desirable.
  - Prepare your presentation on USB memory or on CD-R. Do not use CD-RW.
  - Save your slides as a Microsoft7 or later for Windows file (ex.2003, 2007, 2010, 2013).
  - Be sure that your file is compatible with Windows operation system.
  - Sound cannot be used.
5. Notes for speakers with their own PC
  - Remember to bring your own power adaptor and cables.
  - Your computer must be equipped with a Dsub-15 pin video output .  
(Thin PCs may not have standard output terminals.)



Dsub-15 pin video output

- Please prepare your slides with Microsoft PowerPoint.
- The PCs prepared by the secretariat will handle Windows and Macintosh versions of Microsoft PowerPoint only.
- Please avoid using KeyNote.
- In case of that you cannot connect to the projector provided by the secretariat, please bring a backup CD-R or USB memory containing the presentation file in a Windows or Macintosh version of Microsoft PowerPoint.
- Presenters are responsible for determining in advance whether their laptop PC is capable of outputting video to an external display. This is especially important your presentation contains a large amount of data and audiovisual content.
- All energy-conserving functions such as screen-savers, sleep/power-saving modes should be disabled on PCs to be used in the presentation.
- Your password also should be inactivated.

#### 6. Presentation file reception and presentation format

- Speakers should preview their presentation and complete a run-through of the connection and operation at the speakers preview center in front of the Room1 (International Conference Room) on the 2nd floor of the International Conference Hall, at least 60 minutes before their sessions start or 30 minutes before if their sessions are scheduled in the first session of the day.
- Staff will be on hand at the speakers preview center to assist speakers.
- The speaker's podium is equipped with a PC. Speakers are asked to operate during the presentation by themselves.
- After ISU2016, all presentation data installed on the secretariat supplied PCs will be deleted.

[Speakers preview center]

Opening hours:

- Tuesday 19th July : 8:00 - 16:30
- Wednesday 20th July : 8:00 - 16:30
- Thursday 21st July : 8:30 - 16:00
- Friday 22nd July : 8:30 - 10:00

### Guidelines for Speakers of Moderated Poster and Free Poster

Venue: Convention Hall A

#### 1. Poster Materials should be prepared in English.

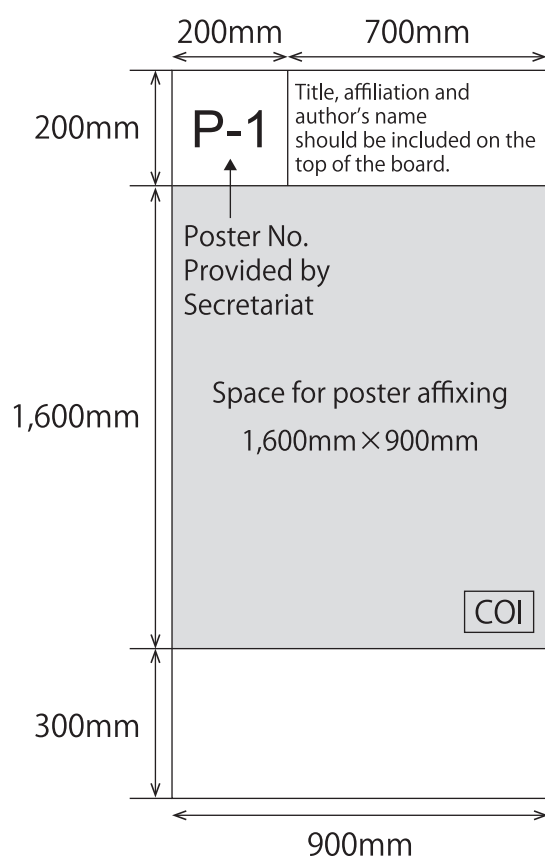
- Presentation time for Moderated poster will be 3 minutes and discussion time will be 3 minutes.
- Poster presenters are expected to stand ready in front of their poster panels during the scheduled presentation time and discussion time with the presenter's ribbon on their chests, and to have presentation and discussion with other participants.
- All poster boards will be assigned with a number which corresponds to poster number.
- Authors are required to mount their posters on the designated board and remove them during the time specified below.
- Please use push-pins to affix your poster to the board firmly.
- Any poster left after the scheduled removal time will be discarded by the Secretariat.

## 2. Poster setup, presentation and discussion, and removal schedule

Setup	19th July, 9:00-10:00	Push-pins will be provided by the secretariat.
Presentation & Discussion	Moderated Poster 21st July, 16:50-18:02	Please be ready in front of your poster panel to have presentation and discussions with other participants.
	Free Poster (Discussion only) 19th July, 17:30-18:30	
Removal	21st July, 18:02-19:00	Posters not removed by 19:00 on 21st July will be discarded by the secretariat.

## 3. The size of the poster board is 900mm wide by 2,100mm high.

Please prepare your poster in accordance with the figure below.



## Award and Social Programs

### Commendation for Lifetime Achievement Award

Thursday, 21st July: 15:00-15:30

Makuhari Messe, International Conference hall 2F Room1 “International Conference room”

Awardees:

Hans-Göran Tiselius (Karolinska Institutet)

Saeed R. Khan (Department of Pathology, Department of Urology, College of Medicine, University of Florida)

-----

### Welcome Reception

Tuesday, 19th July : 17:15-18:45

Makuhari Messe, International Conference hall 2F “Convention Hall A”

(Included in the registration fees)

### Gala Dinner

Thursday, 21st July : 18:45-20:45

HOTEL THE Manhattan, “PRIMAVERA”

(Ticketed event: Please bring the ticket.)

13th International Symposium on Urolithiasis (ISU2016)  
26th Annual Meeting of Japanese Society on Urolithiasis Research (JSUR2016)

## Acknowledgements

### Supporting Organizations

The Japanese Urological Association  
Japanese Society of Endourology

### Foundations

The Uehara Memorial Foundation  
Suzuki Foundation for Urological Medicine  
Chiba Convention Bureau and International Center (CCB-IC)  
The Tokyo Biochemical Research Foundation  
The Naito Foundation



### Gold Sponsor

**OLYMPUS CORPORATION**

### Exhibitors/Sponsored Seminars/Advertisements/Contributions

ASAHI KASEI PHARMA CORPORATION	KYORIN Pharmaceutical Co., Ltd.
Astellas Pharma Inc.	KYOWA HAKKO BIO CO., LTD.
AstraZeneca K.K.	KYSMAQ CO., LTD.
Bayer Yakuhin, Ltd	Medicon, Inc.
B. Braun Aesculap Japan Co. Ltd.	MM CORPORATION
Boston Scientific Japan K. K.	Nippon Chemiphar Co., Ltd.
CENTRAL MEDICAL Co., Ltd.	Nippon Kayaku Co., LTD.
COLOPLAST PORGES	Nippon Shinyaku Co., Ltd.
Covidien Japan Inc.	Novartis Pharma K.K.
CSL Behring K.K.	Otsuka Pharmaceutical Co., Ltd.
DAIICHI SANKYO COMPANY, LIMITED.	Pfizer Japan Inc.
DIREX Japan Co., Ltd.	Sanofi K.K.
Dornier MedTech Japan Co., Ltd.	SANWA KAGAKU KENKYUSHO CO., LTD.
EDAPTECHNOMED Co., Ltd.	Shigaku Shoten
FUJIFILM Medical Co., Ltd.	SUMIRE MEDICAL CORPORATION
GlaxoSmithKline K.K.	TAIHO PHARMACEUTICAL CO., LTD.
INNOMEDICS Medical Instruments Inc.	Takai Hospital Supply Co., Ltd.
ISO MEDICAL SYSTEMS INC.	Takeda Pharmaceutical Company Limited.
Janssen Pharmaceutical K.K.	TAKEI IKAKOUKI Co., Ltd.
Johnson & Johnson K.K.	TEIJIN PHARMA LIMITED.
KISSEI PHARMACEUTICAL CO., LTD.	Tomiki Medical Instruments Co., Ltd.

As of 22nd June, 2016



## Lecture 1

**L-01 Extracorporeal shock wave lithotripsy (ESWL)**

July 19 (Tue) 9:00-9:30

Room 1 (2F International Conference Room)

## Chair

**Tadashi Matsuda**

Kansai Medical University, Japan



Dr. Tadashi Matsuda graduated from Kyoto University School of Medicine in 1978, and is Professor and Chairman of the Department of Urology and Andrology, Kansai Medical University, Japan since 1995. He is currently Vice Dean of the university, and Vice Director of Kansai Medical University Hirakata Hospital. Dr. Matsuda has contributed to the field of endourology and urologic laparoscopy. He served as the President of the Japanese Society of Endourology, and the President of the Local Organizing Committee of 29th World Congress of Endourology and SWL held in 2011 at Kyoto, Japan. He is now the President of the Endourological Society. He is an International Member of the American Association of Genitourinary Surgeons.

## Speaker

**Christian G. Chaussy**

University of Regensburg, Germany



Treated after 6 years of intensive pre-clinical research at the University of Munich on February 7<sup>th</sup> 1980 the first patient worldwide with ESWL. From 1984 – 1986 he was Professor of Urology and Head of the Stone Center at UCLA, left this tenure position in 1986 to become Chairman of the Department of Urology Klinikum Harlaching in Munich from which he retired in 2010. 1996 he had started the use of HIFU for the treatment of localized Prostate Cancer. 2011 he was President of the Endourological Society. Besides his Professorship in Munich he is currently holding positions as Consultant Professor at the Department of Urology, University of Regensburg and as Clinical Professor of Urology at the Keck School of Medicine, USC.

## Lecture 2

### L-02 Residual fragments: definition, evaluation and management

July 19 (Tue) 9:30-10:00

Room 1 (2F International Conference Room)

Chair

#### Tomohiko Ichikawa

Department of Urology, Graduate School of Medicine, Chiba University, Japan



- 1984 M.D., Chiba University, Chiba, Japan
- 1989 Ph.D. (Doctor of Medical Science), Chiba University
- 1989- Postdoctoral Fellow, Johns Hopkins Oncology Center, Baltimore, MD
- 1991- Clinical Fellow, Department of Urology, Chiba University Hospital
- 1992- Assistant Professor, Department of Urology, School of Medicine, Chiba University
- 1997- Assistant Professor, Department of Urology, Teikyo University School of Medicine, Ichihara Hospital
- 1998- Assistant Professor, Department of Urology, School of Medicine, Chiba University
- 2001- Associate Professor, Department of Urology, Graduate School of Medicine, Chiba University
- 2004- Professor and Chairman, Department of Urology, Graduate School of Medicine, Chiba University
  
- 2014- President: Japan Society of Andrology
- 2014- President: Japanese Society of Urolithiasis Research
- 2013- Board of directors: The Japanese Urological Association

Speaker

**Kemal Sarica**

Department of Urology, Dr. Lutfi KIRDAR Research and Training Hospital, Turkey

**Graduated Faculty & Year:** University of Ankara, Medical School, 1981

**Place & Date of Professorship:** University of Gaziantep, Medical School,  
Dept. of Urology, 2003



**Professional Publications** (215)

**Number of Books/Book Chapters:** 9

**Memberships in Associations**

- American Urological Association (AUA)
- European Urological Association (EAU)
- Endourological Society
- Eurolithiasis Society (EULIS)

**International positions in Associations**

- Chairman : EAU Section of Eurolithiasis (EULIS)
- Member, Urolithiasis Guidelines Committee (EAU)
- Member , International Urolithiasis Society board (IUS)
- Co-chairman International Alliance of Urolithiasis (IAU)

**Member ( Editorial board, International journals )**

Urological Research (Member, editorial board)

Archiv.Italian.Urol.Androl (Member, editorial board)

## Lecture 3

### L-03 Urinary risk factors for urolithiasis

July 19 (Tue) 14:20-14:50

Room 1 (2F International Conference Room)

Chair

#### Koji Suzuki

Kanazawa Medical University, Japan



#### PRESENT APPOINTMENT:

Professor Emeritus,

Department of Urology, Kanazawa Medical University

Uchinada, Ishikawa, 920-0293, Japan

#### DATE AND PLACE OF BIRTH:

15th Nov 1947, Nara, Japan

NATIONALITY: Japanese

UNIVERSITY: Kanazawa University, Japan

DEGREES: M.D., Ph.D.

#### PREVIOUS EXPERIENCE:

1974-1990 Department of Urology, Kanazawa Medical University

1990-1991 Department of Surgery, Flinders Medical Centre

1991-2013 Department of Urology, Kanazawa Medical University  
(Chairman and Professor)

2013-present Professor Emeritus, Kanazawa Medical University

MEMBERSHIP: International Symposium on Urolithiasis

The Société Internationale d'Urologie

American Urological Association

Japanese Urological Association

Japanese Society on Urolithiasis Research

Japanese Society of Endourology

#### EDITORIAL AND JOURNAL REVIEW EXPERIENCE:

2003-2012 Associate Editor, Urological Research (Urolithiasis)

#### ORGANIZATIONAL EXPERIENCE:

1999, 2005 Chair, Japanese Society on Urolithiasis Research

2000-2008 Member, International Organizing Committee,

International Symposium on Urolithiasis

2008-2011 President, Japanese Society on Urolithiasis Research

**Speaker****William G. Robertson**

Nuffield Department of Surgical Sciences, John Radcliffe Hospital, University of Oxford, UK



I have been working on the causes and medical management of kidney stones for over 50 years with particular research interests in the chemical, biochemical, epidemiological, environmental, lifestyle, nutritional and metabolic factors involved in the initiation of renal stone-formation. Based on these findings, I have developed a comprehensive screening system for assessing a given patient's risk of forming further stones (LITHOSCREEN) which I have been using to manage patients for the past 15 years and which complies completely with the latest AUA Guidelines on the management of patients with kidney stones. LITHOSCREEN also allows me to design an appropriate preventative treatment tailored to the particular risk factors identified in each patient. I am also Editor-in-Chief of *Urolithiasis*, which is the only journal specialising in all aspects of stone research.

## Lecture 4

**L-04 Overview of endourology**

July 20 (Wed) 9:00-9:30  
Room 1 (2F International Conference Room)

## Chair

**Kikuo Nutahara**

Department of Urology, Kyorin University School of Medicine, Japan

Dr. Kikuo Nutahara graduated from Iwate Medical University School of Medicine in 1978. Since 2013, he has been Professor and Chairman of Department of Urology, Kyorin University School of Medicine, Tokyo, Japan. He has contributed in the field of endourology and Ca metabolism. He served as a chairman of Japanese Society of Endourology in 2015. He is now a member of the Board of Directors of Japanese Society of Endourology, Japanese Society on Urolithiasis Research, and one of the Delegates of Endourological Society.



## Speaker

**Walter L. Strohmaier**

Klinikum Coburg, Germany

Born in 1957, graduated at the University of Tübingen in 1983. German board certification in 1989. In 1992, Assistant Professor at the University Tübingen and European Board of Urology certification. Since 1996, Head of the Department of Urology and Paediatric Urology, Klinikum Coburg, Academic Hospital, University of Würzburg. Since 1998, Full Professor of Urology, since 2001 Medical Director of Klinikum Coburg.



His scientific work with focus on all aspects of urolithiasis (265 publications, 620 lectures) was honoured by several awards. In 2005, he organized the 11th European Symposium on Urolithiasis. He is chairman of the International Urolithiasis Society, vice-chairman of the guideline panel of the German Association of Urology.

He is Associate Editor of Urolithiasis, reviewing editor of Urologia Internationalis and peer reviewer for all major international urological journals.

## Lecture 5

**L-05 Cystinuria: genomic characteristics in Japan**

July 20 (Wed) 9:30-10:00

Room 1 (2F International Conference Room)

Chair

**Tatsuya Nakatani**

Osaka City University Graduate School of Medicine, Japan

Osaka City University Graduate School of Medicine(Ph.D.,1983)

Apr-1999: Associate Professor oh Department of Urology, Osaka City University Graduate School of Medicine

Apr-2003: Professor and Chairman of Department of Urology, Osaka City University Graduate School of Medicine



Speaker

**Tomohiko Ichikawa**

Department of Urology, Graduate School of Medicine, Chiba University, Japan

1984 M.D., Chiba University, Chiba, Japan

1989 Ph.D. (Doctor of Medical Science), Chiba University

1989- Postdoctoral Fellow, Johns Hopkins Oncology Center, Baltimore, MD

1991- Clinical Fellow, Department of Urology, Chiba University Hospital

1992- Assistant Professor, Department of Urology, School of Medicine, Chiba University

1997- Assistant Professor, Department of Urology, Teikyo University School of Medicine, Ichihara Hospital

1998- Assistant Professor, Department of Urology, School of Medicine, Chiba University

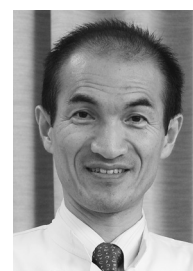
2001- Associate Professor, Department of Urology, Graduate School of Medicine, Chiba University

2004- Professor and Chairman, Department of Urology, Graduate School of Medicine, Chiba University

2014- President: Japan Society of Andrology

2014- President: Japanese Society of Urolithiasis Research

2013- Board of directors: The Japanese Urological Association



## Lecture 6

## L-06 Transporter and urolithiasis

July 20 (Wed) 13:30-14:00

Room 1 (2F International Conference Room)

## Chair

**Tomohiko Ichikawa**

Department of Urology, Graduate School of Medicine, Chiba University, Japan



- 1984 M.D., Chiba University, Chiba, Japan
- 1989 Ph.D. (Doctor of Medical Science), Chiba University
- 1989- Postdoctoral Fellow, Johns Hopkins Oncology Center, Baltimore, MD
- 1991- Clinical Fellow, Department of Urology, Chiba University Hospital
- 1992- Assistant Professor, Department of Urology, School of Medicine, Chiba University
- 1997- Assistant Professor, Department of Urology, Teikyo University School of Medicine, Ichihara Hospital
- 1998- Assistant Professor, Department of Urology, School of Medicine, Chiba University
- 2001- Associate Professor, Department of Urology, Graduate School of Medicine, Chiba University
- 2004- Professor and Chairman, Department of Urology, Graduate School of Medicine, Chiba University
  
- 2014- President: Japan Society of Andrology
- 2014- President: Japanese Society of Urolithiasis Research
- 2013- Board of directors: The Japanese Urological Association

## Speaker

**Yoshikatsu Kanai**

Osaka University Graduate School of Medicine, Japan



Yoshikatsu Kanai, M.D., Ph.D. is Professor of Osaka University Graduate School of Medicine, Osaka, Japan. He graduated from Gunma University School of Medicine (Maebashi, Japan) in 1984 and Graduate School of Medicine, University of Tokyo (Tokyo, Japan) in 1988. He worked as a research associate in Renal Division at Brigham and Women's Hospital and Harvard Medical School (Boston, U.S.A.) and then promoted as Professor of Pharmacology in Kyorin University School of Medicine (Tokyo, Japan) in 2004. He moved to Osaka University as Professor of Biosystem Pharmacology in 2007. He has worked on molecular identification of many types of transporters that include renal cystine transporter whose genetic defect is the cause of cystinuria. Recently, his research has extended to the unsolved basic issues related to renal cystine transport and cystinuria.



## Lecture 7

### L-07 Animal models for study of calcium oxalate nephrolithiasis: lessons learned

July 20 (Wed) 14:00-14:30

Room 1 (2F International Conference Room)

#### Chair

#### Makoto Morozumi

Department of Urology, Saitama Medical Center/Saitama Medical University, Japan

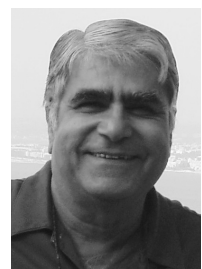


1982	Graduation of School of Medicine, University of Tsukuba
1982	M.D. (Japan Board of Medical Examiners: No.265815 )
1982	Resident, School of Medicine, Juntendo University
1982-83	Assistant of Urology, School of Medicine, Juntendo University
1984 Jan-Jun	Urologist, Mito Saisei-kai Hospital
1984 Jul-Dec	Urologist, Mitsui Memorial Hospital
1985-1986	Assistant of Urology, School of Medicine, Juntendo University
1986-1987 Jun	Urologist, Doai Memorial Hospital
1987 July-1995	Urologist, Koshigaya Municipal Hospital
1995	Ph.D. (Juntendo University: No. 1216)
1995-2000	Chief of Urology, Koshigaya Municipal Hospital
1997-2000	Assistant Professor of Urology, School of Medicine, Juntendo University
2001-2003	Assistant Professor of Urology, Faculty of Medicine, University of the Ryukyus
2003-2004	Visiting Assistant Professor, Department of Pathology, University of Florida
2004-2005	Assistant Professor of Urology, Faculty of Medicine, University of the Ryukyus
2006-	Associate Professor of Urology, Saitama Medical Center, Saitama Medical University

#### Speaker

#### Saeed R. Khan

Department of Pathology, Department of Urology, College of Medicine, University of Florida, USA



Saeed R Khan is Finlayson Professor of Urological Research in the Department of Urology, University of Florida and Director of their Training Program in Benign Urology Research. He is Associate Editor of Urolithiasis. Dr. Khan investigates all aspects of stone disease using experimental models as well as clinical specimens. His research has been supported by US National Institutes of Health. He has mentored over thirty graduate students and twenty post-doctoral fellows, authored more than four hundred publications including refereed articles in peer reviewed journals, book chapters, editorials, review articles and numerous abstracts. He has also edited a book, Oxalate in Biological Systems as well as Proceedings of the International Symposia. He has participated in numerous national and international meetings, giving more than seventy invited lectures and keynote addresses.

## Lecture 8

### L-08 The role of fluid intake in the recurrence prevention of urinary stones

July 20 (Wed) 14:30-15:00  
Room 1 (2F International Conference Room)

Chair

#### **Bernhard Hess**

Internal Medicine and Nephrology, Kidney Stone Center Zurich, Klinik Im Park, Zurich, Switzerland



1972-1978 : Medical School Zurich.

1980 : M.D. degree, Faculty of Medicine, Zurich.

1980-1981 Pathology, Liestal/Basle

1981-1989 Internal Medicine and Nephrology in Zurich and Chicago

1989-1999: Chief-Resident and Chief of General Internal Medicine, University Hospital Berne

1994 Associate Professor Nephrology, University of Berne

1999-2005: Chief of Internal Medicine, Hospital Zimmerberg, Waedenswil/Zurich

2002 Associate Professor Internal Medicine, University of Zurich

7/2005- : Internal Medicine and Nephrology, Hirslanden Klinik Im Park Zurich and Paracelsus Hospital Richterswil/Zurich, Switzerland  
Founder/Chief of Kidney Stone Center Zurich

Nationally/internationally 700 lectures/workshops.

More than 150 scientific papers/reviews/book chapters.

Grant recipient for research on idiopathic calcium nephrolithiasis

Member of Editorial Board of Urolithiasis, regular reviewer for nephrology and urology journals worldwide

Honorary Member of Swiss Society of Urology, former executive member of eULIS (Eurolithiasis Society, part of EAU)

**Speaker****Roswitha Siener**

University Stone Centre, Department of Urology, University of Bonn, Germany



Prof. Dr. Roswitha Siener is a Professor in the Department of Urology at the University of Bonn, Germany, and Head of the University Stone Centre. Areas of her research are nearly all aspects of urinary stone disease, including epidemiology, pathophysiology, metabolism and nutrition.

Prof. Siener has authored numerous peer-reviewed articles, book chapters and conference abstracts. She has received several scientific awards both nationally and internationally. Prof. Siener is Editorial board member of the Journal of Translational Medicine, Urolithiasis and Uro-News and board member of the European Association of Urology (EAU) section of urolithiasis (EULIS).

## Lecture 9

**L-09 Role of race, ethnicity and environmental factors**

July 21 (Thu) 9:00-9:30

Room 1 (2F International Conference Room)

Chair

**Kenjiro Kohri**

Nagoya City University, Japan

**Education**

MD Osaka University Medical School

PhD Osaka University Medical School

**Research & Professional Experience**

Resident of Anesthesiology Osaka Univ Hospital

Urologist Higashi-Osaka City Hospital

Assistant Dept Urology, Kinki Univ Med Sch

Lecture Dept Urology, Kinki Univ Med Sch

Postdoctoral fellow for JSPS and Exchange fellow of British Royal Society Dept  
Urology, South Manchester University

Professor Dept Urology, Nagoya City Univ Med Sch

President Nagoya City Univ Hospital

Professor Dept Nephro-Urology, Nagoya City Univ Grad Sc Med Sci

Dean Nagoya City Univ Grad Sc Med Sci

President Nagoya City Univ

Speaker

**Allen L. Rodgers**

University of Cape Town, South Africa



Allen Rodgers MSc, PhD is currently Emeritus Professor & Senior Research Scholar at the University of Cape Town, South Africa, a position which he has held since January 2012. Prior to this he was Professor and Head of the Department of Chemistry for 11 years. He is a Life-time Fellow of the University of Cape Town and a Fellow of the Royal Society of South Africa. His research focus for the past 35 years has been the physicochemical aspects of calcium kidney-stone disease, a field in which he has published over 150 articles in peer-reviewed papers, conference proceedings and abstracts. He has trained 15 PhD and 12 MSc students. He is an Associate Editor of Urolithiasis and has served on the advisory boards of many international conferences on Urolithiasis.

## Lecture 10

## L-10 Randall's plaques versus ductal plugs as sites of the earliest growth of kidney stones

July 21 (Thu) 9:30-10:00

Room 1 (2F International Conference Room)

Chair

### Philippe Jaeger

University College of London, Centre for Nephrology, London, UK

**Professor Philippe Jaeger:** Swiss Internist and Nephrologist holding an Honorary Chair of Nephrology at University College of London, UK.



Currently: Invited Professor and Scientific Adviser at Geneva University, Switzerland; Honorary President of the Fondation du Rein; Vice-President of the Foundation for the Development of Internal Medicine in Europe; Founding Member of the European Federation of Internal Medicine.

In the past: Chairman of Ambulatory Medicine at Berne University, Switzerland; Chairman of Nephrology at Nice University, France; Director Research & Development Nephrology at Amgen International in London, UK; President of Swiss Society of Internal Medicine, French Society of Nephrology, European Federation of Internal Medicine, Fondation du Rein.

Trained in nephrology at Yale University (USA). Current research activity focused on Nephrolithiasis. Excellence in education has been the primary objective of his academic career.

Speaker

### James C. Williams

Indiana University School of Medicine, USA



James Williams is Professor of Anatomy and Cell Biology at the Indiana University School of Medicine in Indianapolis, USA, and Adjunct Professor of Urology, University of Southern Denmark, in Odense. His primary area of research is in understanding urinary stone diseases. Recent studies have revealed that some calcium oxalate stone formers produce stones solely on Randall's plaque (interstitial, white plaque), while others also produce plugging of collecting ducts in the renal papilla. Visualization of these distinct mechanisms (interstitial plaque formation versus ductal plugging) has required study of the structure of the tiny stones that were found growing on the renal papillae in patients. This characterization of these stones has been possible only because of the development of micro-computed tomographic (micro CT) imaging of stones, work begun in Prof. Williams' laboratory.

## Lecture 11

# L-11 The primordial protein: macromolecules, minerals and renal stones

July 21 (Thu) 14:30-15:00

Room 1 (2F International Conference Room)

Chair

**Katsuhito Miyazawa**

Kanazawa Medical University, Japan



## PRESENT APPOINTMENT:

Professor and Chairman  
 Department of Urology, Kanazawa Medical University  
 Uchinada, Ishikawa, 920-0293, Japan

## DATE AND PLACE OF BIRTH:

20<sup>th</sup> Dec 1959, Ishikawa, Japan

NATIONALITY: Japanese

UNIVERSITY: Kanazawa Medical University, Japan

DEGREES: M.D., Ph.D.

## PREVIOUS EXPERIENCE:

1984-1999 Department of Urology, Kanazawa Medical University  
 1999-2000 Department of Surgery, Flinders Medical Centre  
 2000- present Department of Urology, Kanazawa Medical University  
 2011- present Professor, Kanazawa Medical University

## MEMBERSHIP: International Symposium on Urolithiasis

The Société Internationale d'Urologie  
 Endourological Society  
 American Urological Association  
 Japanese Urological Association  
 Japanese Society on Urolithiasis Research  
 Japanese Society of Endourology

## EDITORIAL AND JOURNAL REVIEW EXPERIENCE:

2012- present Associate Editor, Urolithiasis (Urological Research)  
 2013- present Editorial Board, International Journal of Urology

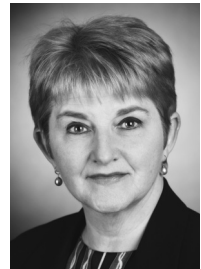
## ORGANIZATIONAL EXPERIENCE:

2008- present Member, International Organizing Committee,  
 International Symposium on Urolithiasis

**Speaker****Rosemary L. Ryall**

Flinders University, Australia

Professor Emeritus Rosemary Ryall was Chief Medical Scientist and Professor of Urological Research in the Department of Surgery at the Flinders Medical Centre and Flinders University, South Australia.



Forty years ago Rose began investigating biochemical factors affecting the development of kidney stones, especially those influencing the crystallization of calcium oxalate. Her interests later evolved to studying the involvement of urinary macromolecules, principally proteins, in the process. Believing that the understanding of pathological events is illuminated by knowledge of salubrious counterparts in nature, Rose has long advocated the need for stone researchers to learn from examples of healthy biomineralization, which occurs in countless organisms throughout the evolutionary tree.

At the previous International Symposium on Urolithiasis in Brazil she received a Birdwell Finlayson Lifetime Achievement Award for her stone research.

## Lecture 12

### **L-12**    A probiotic treatment for kidney stone disease

---

July 22 (Fri) 9:00-9:30

Room 1 (2F International Conference Room)

Cancelled



## Lecture 13

### L-13 Future prospects for herbal remedies in the management of urolithiasis

July 22 (Fri) 9:30-10:00

Room 1 (2F International Conference Room)

Chair

#### Anthony Cf. Ng

The Chinese University of Hong Kong, Hong Kong



Dr Anthony NG graduated in the Chinese university of Hong Kong in 1993 and became an urologist in 2001. He then spent 1 year in Scotland, worked under Mr David Tolley, and gained extensive experience in stone management.

After completion of his training, Dr Ng decided to join the Chinese University of Hong Kong in 2006 and is currently Director and Professor of the S.H. Ho Urology Centre, CUHK. He has a wide range of interest, in particular in urolithiasis and prostate diseases. He was also honored with the Outstanding Young Urologist Award in 2010 by the Asian Congress of Urology, the International Guest Scholar 2012 of the American College of Surgeons and the World Chinese Urology Association Award 2014, as recognitions to his work in the field.

Speaker

#### Mayur Danny I Gohel

Tung Wah College, Hong Kong



Danny Gohel completed his Clinical Chemistry degree in USA and returned to Hong Kong for PhD studies under the Prof. Daisy Shum and Prof. Tom Boyde at The University of Hong Kong. He is currently the Professor and Dean of the School of Medical and Health Sciences at Tung Wah College.

Research interests: Physico-chemical aspects of calcium oxalate crystallization, native urinary glycosaminoglycans and Herbal medicines in Urolithiasis and diagnostics of silent stones.

Highlight of Prof. Gohel research career, is the incidence of melamine stones in children which relied on applying all the knowledge gained, studied and seeking expert opinions, which have never been studied, radiologically examined or its metabolism known. He worked with a local Urologist, to investigate into the physico-chemical aspects of the melamine stones and renal cell responses.

## Guideline 1

### G-01 The 2016 EAU Guideline on Urolithiasis

July 20 (Wed) 10:00-10:30

Room 1 (2F International Conference Room)

#### Chair

#### Christian Tuerk

Department of Urology at Rudolfstiftung Clinic, Kidneystone Center (with SWL) , Austria



Christian Tuerk (\*1951, Vienna, Austria), attended high school (1969 "summa cum laude") and Medical University in Vienna (02/1975). Since then he has been working at the Rudolfstiftung Hospital, a teaching hospital of the Vienna Hospital Association, associated with the Medical University of Vienna. After residency he became responsible assistant medical director of it's Kidney Stone Centre in 1986.

He served as „Visiting Professor“, among others, at Texas Southwestern Medical School and Mayo Clinic Rochester. He published several listed and not listed publications and chapters in text books and is member of numerous national and international urologic associations. He chairs the Austrian working group on Urolithiasis and the working group on Guidelines on Urolithiasis of EAU. He serves as teacher at the Austrian and the European School of Urology.

#### Speaker

#### Thomas Knoll

Klinikum Sindelfingen-Böblingen gGmbH, Germany



Dr. Thomas Knoll is Associate Professor of Urology at Mannheim University Hospital, Germany, and Head of the Department of Urology, Sindelfingen Medical Center, University of Tuebingen, Germany. Dr. Knolls field of expertise includes endourologic, laparoscopic and robotic surgery for urolithiasis, benign prostatic hyperplasia and uro-oncology.

Dr. Knoll won a total of 8 awards pertaining to his innovation and research, including the Arthur-Smith-Award of the Endourology Society. Dr. Knoll has published over 100 manuscripts in peer-reviewed literature and 16 book chapters. Dr. Knolls serves an Editorial board member of several journals. He is board member of the EAU Guidelines Office, the Sections for Urolithiasis, Uro-Technology and Ethics in Live Surgery. In 2015 he was appointed as Member of the EAU Scientific Committee.

## Guideline 2

### G-02 AUA Surgical Stone Management Guidelines

July 20 (Wed) 10:30-11:00

Room 1 (2F International Conference Room)

Chair

#### Hans-Göran Tiselius

Karolinska Institutet, Sweden



Born in Stockholm 1945. Medical education at Karolinska Institutet and University of Lund. MD 1972. PhD in clinical chemistry 1974. Certificates of speciality in general surgery 1977 and urology 1979. Professor of urology at Linköping University between 1992 and 1999 and at Karolinska Institutet 1999-2010. Currently professor emeritus at Karolinska Institutet.

Started ESWL in Sweden 1985. Responsible for ESWL in Linköping and Stockholm during more than 25 years. Main research profile: aspects on low-invasive stone removal, mechanisms of calcium stone formation and its prevention.

Co-chairman of the AUA/EAU collaboration on guidelines for ureteral stone treatment (2003-2008).

Associate Editor of Urolithiasis, Advisory Board member of Scandianvian Journal of Urology, Turkish Journal of Urology and Urologia Internationalis.

Honorary member of EAU, eulis and the Swedish Association of Urology.

Speaker

#### Bodo E. Knudsen

The Ohio State University Wexner Medical Center, USA



Bodo Knudsen is the Director of the Comprehensive Kidney Stone Program at the Ohio State University Wexner Center. He holds the rank of Associate Professor with Tenure and has served as the Department of Urology Interim Chair from September 2014 through June 2016. Dr. Knudsen completed his medical school at the University of Manitoba in 1997 and his residency in 2002. He completed his fellowship in Endourology with Drs. John Denstedt at the University of Western Ontario in 2004. He joined the Ohio State University in 2005. Dr. Knudsen is the Past President of the Ohio Urological Society, the Vice-President of the Engineering and Urology Society, and members of the R.O.C.K. Society and the EDGE Research Consortium. He has published over 60 peer reviewed articles, manuscripts and book chapters.

## Symposium 1

**S-01 Radiographic diagnosis and treatment of urolithiasis**

July 19 (Tue) 11:00-12:00

Room 1 (2F International Conference Room)

## Coordinator/Chair

**Isao Hara**

Department of Urology, Wakayama Medical University, Japan



## Education:

- 1979-1985 School of Medicine, Kobe University
- 1985-1986 Residence at Department of Urology Kobe University Hospital
- 1986-1990 Postgraduate Course, Department of Urology Kobe University School of Medicine

## Research and professional experience:

- 1991-1993 Postdoctoral Fellow at Memorial Sloan Kettering Cancer Center
- 1994-2002 Instructor at Department of Urology Kobe University, School of Medicine
- 2002-2004 Assistant Professor at Division of Urology Kobe University School of Medicine
- 2004-2007 Associate Professor at Division of Urology Kobe University School of Medicine
- 2007-present Professor at Department of Urology Wakayama Medical University

## Membership of learned societies:

- The Japanese Urological Association (Boarding Member)
- American Urological Association
- Europaen Urological Association
- Japanese Society of Endourology and ESWL (Boarding Member)
- Japanese Association for Cancer Research
- Japan Society for Clinical Oncology
- Society for Fundamental Cancer Immunology
- Japanese Society of Endourology

## Coordinator/Chair

**Noor Buchholz**

U-merge London and SVMC Dubai, UAE



He was trained in Germany, Switzerland, Australia and Consultant Urologist in Pakistan, Netherlands, United Kingdom, and now Dubai.

He is a leading expert in minimally invasive urological surgery, stone treatment and permanent metal stenting of the urinary tract.

He was one of only 46 trainers worldwide recognised by the International Endourology Society (IES), and the first such recognised trainer in Europe by the European Board of Urology (EBU). He was awarded multiple grants and awards, is author on more than 300 original articles, is reviewer and editor for many journals, and member of many learned societies.

He sits on the board of eULIS-EAU and the Societe Internationale d'Urologie (SIU).

He founded U-merge (Urology in emerging countries) dedicated to urological education and training.

## S-01-1 Imaging before stone surgery

**Anthony Cf. Ng**

SH Ho Urology Centre, The Chinese University of Hong Kong, Hong Kong

Dr Anthony NG graduated in the Chinese university of Hong Kong in 1993 and became an urologist in 2001. He then spent 1 year in Scotland, worked under Mr David Tolley, and gained extensive experience in stone management.



After completion of his training, Dr Ng decided to join the Chinese University of Hong Kong in 2006 and is currently Director and Professor of the S.H. Ho Urology Centre, CUHK. He has a wide range of interest, in particular in urolithiasis and prostate diseases. He was also honored with the Outstanding Young Urologist Award in 2010 by the Asian Congress of Urology, the International Guest Scholar 2012 of the American College of Surgeons and the World Chinese Urology Association Award 2014, as recognitions to his work in the field.

## S-01-2 Imaging after stone surgery what why when

**M Hammad Ather**

Aga Khan University, Pakistan

Dr. Hammad Ather is a consultant urologist, Professor and head of urology at the Aga Khan University. He is an editorial board member of many international urological journals, author of over 90 articles in international peer journals and 10 book chapters.

He is also an adviser and reviewer for over 2-dozen international journals. Dr Ather was trained in Karachi and London and has many fellowship attachments in Europe at Erasmus University, Rotterdam, Katholieke Universiteit Leuven and University College London. He has served as the General secretary of Pakistan Association of Urological surgeons (PAUS). He is international advisory board member of eulis (EAU) since 2011 and national representative of APSUO (UAA). He has special interest in urolithiasis, bladder and advanced prostate cancer, which is his major research interest as well.

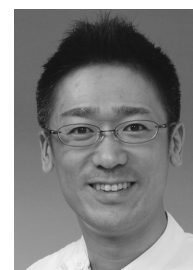


## S-01-3 CT attenuation value of renal papilla: a novel predictor for stone recurrence

**Yasuo Kohjimoto**

Wakayama Medical University, Japan

1985-1991	M.D., Wakayama Medical University, Japan
1991-1993	Resident in Urology, Wakayama Medical University Hospital, Japan
1993-1997	Ph.D., Wakayama Medical University Graduate School of Medicine, Japan
1998-1999	Postdoctoral Fellow in Physiology, University of Massachusetts Medical School
1999-2001	Physician-in-Chief, Division of Urology, Kishiwada City Hospital, Japan,
2001-2004	Instructor of Urology, Wakayama Medical University, Japan
2004-2010	Assistant Professor of Urology, Wakayama Medical University, Japan
2010-present	Associate Professor of Urology, Wakayama Medical University, Japan



## Symposium 2

### S-02 Dietary habit and risk of urolithiasis

July 19 (Tue) 15:10-16:10

Room 1 (2F International Conference Room)

Coordinator/Chair

#### David S. Goldfarb

NYU School of Medicine, NYU Langone Medical Center, USA



Dr. Goldfarb is Professor of Medicine & Physiology at NYU School of Medicine, Clinical Chief of Nephrology at NYU Langone Medical Center, and Chief of Nephrology at the New York Harbor VA Medical Center. He trained in internal medicine and nephrology at the New York VA and NYU Langone Medical Center. He directs kidney stone prevention clinics at NYU and the New York VA. He is the principal investigator of the cystinuria component of the Rare Kidney Stone Consortium, funded by the NIDDK.

## S-02-1 Use of urine chemistries to assess dietary habits

**John R. Asplin**

Litholink Corporation, USA/University of Chicago, USA



Dr John Asplin attended Emory University Medical School and did his Internal Medicine Residency at University of Cincinnati. After 3 years in the US Navy, he completed his nephrology fellowship at University of Chicago. He did his research and clinical training in the field of nephrolithiasis under the guidance of his mentor, Dr Fredric Coe. After finishing his fellowship, Dr Asplin joined the faculty at University of Chicago. In 1995, Dr Coe and Asplin helped found Litholink Corporation, a clinical laboratory focused on the care of kidney stone patients. Currently, Dr Asplin holds the positions of medical director of Litholink and clinical associate at University of Chicago. His research interests include cystinuria, metabolic evaluation of patient with urolithiasis, inhibitors of crystallization, and new therapeutics for kidney stone patients.

## S-02-2 Evidence-based dietary recommendations for stone formers

**Roswitha Siener**

University Stone Centre, Department of Urology, University of Bonn, Germany



Prof. Dr. Roswitha Siener is a Professor in the Department of Urology at the University of Bonn, Germany, and Head of the University Stone Centre. Areas of her research are nearly all aspects of urinary stone disease, including epidemiology, pathophysiology, metabolism and nutrition.

Prof. Siener has authored numerous peer-reviewed articles, book chapters and conference abstracts. She has received several scientific awards both nationally and internationally. Prof. Siener is Editorial board member of the Journal of Translational Medicine, Urolithiasis and Uro-News and board member of the European Association of Urology (EAU) section of urolithiasis (EULIS).

## S-02-3 Prospects for dietary therapy of urolithiasis

**David S. Goldfarb**

NYU Langone Medical Center, USA





## Symposium 3

## S-03 Uric acid

July 19 (Tue) 16:10-17:10

Room 1 (2F International Conference Room)

## Coordinator/Chair

**Alberto Trinchieri**

Urology Unit, Manzoni Hospital, Lecco, Italy



## PERSONAL DETAILS

Biella, Italy, 8 April 1953

## ACADEMIC QUALIFICATIONS

Fellow of the European Board of Urology (FEBU) (1992)

Specialization of Medical Nephrology (1986) and Urology (1981)

M.D.(1978)

Lecturer, Urology School, University of Milan (1985 - 2004)

## PROFESSIONAL EXPERIENCE

2003-present: Director of the Urology Unit, Dpt Surgery, A.Manzoni Hospital, Lecco

1986-2002 : Assistant Urologic Clinic of University of Milan, IRCCS Ospedale Maggiore di Milano

## SOCIETIES AND CONGRESSES

Member of the Italian Society of Urology (1981-present) and of the European Society of Urology (1986-present)

Member of the Board of the Section of Urology of the European Association of Urology (eULIS) (2009-present) and of the Board of the International Society of Urolithiasis (2008-present)

Co-Chairmen and Chairman of the Congress of the European Society of Urolithiasis (Parma 1999 and Cernobbio 2009)

## Coordinator/Chair

**Khashayar Sakhaee**

Department of Internal Medicine, Division of Mineral Metabolism, Charles and Jane Pak Center for Mineral Metabolism and Clinical Research, University of Texas Southwestern Medical Center, Dallas, USA



Dr. Sakhaee, Laura Kim Pak, Professor in Mineral Metabolism Research and Osteoporosis at the UT Southwestern Medical Center, Dallas TX, USA. He is Chief of Division of Mineral Metabolism. Dr. Sakhaee received his M.D. in Iran and Residency and Nephrology Fellowship at University Hospital of Cleveland, Ohio and UT Health Science Center at Dallas, TX, USA. He joined the faculty at UT Southwestern Medical School in 1982 and promoted to Professor in 1993. Dr. Sakhaee research interests are related to clinical investigations underlying pathophysiological mechanisms of kidney stone formation. His publications, which number over 160, speak to active original investigative initiatives, as well as his demand as an author of many references in the field of Urolithiasis.



### S-03-1 Epidemiology of uric acid nephrolithiasis

Alberto Trinchieri

Urology Unit Manzoni Hospital Lecco, Italy



### S-03-2 Recent advances in pathophysiology of uric acid nephrolithiasis (UA)

Khashayar Sakhaee

University of Texas Southwestern Medical Center, USA



### S-03-3 Uric acid urolithiasis as a feature of the metabolic syndrome: a multi-hit model

Orson Moe

UT Southwestern Medical Center, USA



Orson Moe received his medical degree from the University of Toronto and is Professor of Internal Medicine and Physiology, Director of the Pak Center of Mineral Metabolism and Clinical Research, and Chief of the Nephrology Division at the University of Texas Southwestern Medical Center, USA. Moe holds the Charles and Jane Pak Distinguished Chair in Mineral Metabolism Research and the Donald Seldin Professorship in Clinical Investigation. Moe conducts both basic science and patient-oriented research on renal physiology and metabolism, and epithelial biology. He is the editor of *Current Opinion in Nephrology and Hypertension*, and the textbook *Seldin and Giebisch's The Kidney: Physiology and Pathophysiology*. He is currently a member of the American Society of Clinical Research, American Association of Physicians, American Society of Nephrology, and American Physiologic Society.

## Symposium 4

### S-04 Ureteroscopy (URS)

July 20 (Wed) 11:10-12:10

Room 1 (2F International Conference Room)

Coordinator/Chair

**Kemal Sarica**

Department of Urology, Dr. Lutfi KIRDAR Research and Training Hospital, Turkey

**Graduated Faculty & Year:** University of Ankara, Medical School, **1981**

**Place & Date of Professorship:** University of Gaziantep, Medical School,  
Dept. of Urology, **2003**



**Professional Publications (215)**

**Number of Books/Book Chapters: 9**

#### Memberships in Associations

- American Urological Association (AUA)
- European Urological Association (EAU)
- Endourological Society
- Eurolithiasis Society (EULIS)

#### International positions in Associations

- Chairman : EAU Section of Eurolithiasis (EULIS)
- Member, Urolithiasis Guidelines Committee (EAU)
- Member , International Urolithiasis Society board (IUS)
- Co-chairman International Alliance of Urolithiasis (IAU)

#### Member ( Editorial board, International journals )

Urological Research (Member, editorial board)

Archiv.Italian.Urol.Androl (Member, editorial board)

Coordinator

**Takashi Arakawa**

International University of Health and Welfare Mita Hospital, Japan

1979 Graduated from Kitasato University School of Medicine .

1988 to 2002 Chief, Division of Urology, Urolithiasis Lithotripsy Center of Sagamidai Hospital.

2005 Associated Professor, Kitasato University Hospital .

2006 Professor , International University of Welfare & Health Mita Hospital.



## Chair

**Petrisor Geavlete**

Saint John Emergency Clinical Hospital, Romania



**Academician (Corresponding Member) – Romanian Academy of Medical Sciences**

**Professor of Urology**, MD, PhD (“magna cum laude”), first degree Romanian specialist in Urology, Chief of Clinical Department, “Saint John” Emergency Clinical Hospital, Bucharest, Romania, Vice-President of the Romanian Association of Urology. Member/Board member in 15 International Urological Societies: Full Member – European Association of Urology; EAU Officer (Clinical Research Office 2002-2004); Board member – EAU Video Committee (2005-2013), Board member – European Society of Imaging in Urology (ESUI); Full Member – Société Internationale d’Urologie – Romanian representative (Deputy Delegate); Correspondent Membership – American Association of Urology; International Member – British Association of Urological Surgeons; Membre étranger – Association Française d’Urologie; Full Member – Endourological Society; Associate Member – EAU Section of Urolithiasis (EULIS); Board of Directory Member – Société Internationale d’Urologie (2015-2016). Member in the Board of Doctorate School (PhD leadership former) – “Carol Davila” University of Medicine, Bucharest.

**Author or co-author** in over **1,100 papers** published in journals, national and international congresses or meetings, abstract books of the most important urological publications and congresses in the world.

Over presented **300 videos** (first author or co-author) and published **22 books** (author, co-author or Editor). Faculty in over **250 meetings** during International Congresses.

**Reviewer** for the most international publications and urological meetings.

**35 national and international distinctions.**

**Granted** with “Health High Order” (“Commander” grade) offered by Romanian President in 2004.

### **S-04-1 Management of ureteral stones with semirigid ureteroscopy: tips and tricks for a successful and complication free procedure**

**Sven Lahme**

Center for minimally-invasive Therapy - robotic-assisted Surgery  
Siloah St. Trudpert Hospital Pforzheim, Germany



Professor Sven Lahme, MD, is Head of Department of Urology, Siloah St. Trudpert Hospital, Pforzheim, Germany since 2004. His scientific education was done at the Department of Urology, University Hospital of Tübingen, Germany from 1993 to 2004. His main field is minimally invasive therapy, particularly endourology. In 2001 he introduced the Mini-PCNL technique in adults and presented the first specially designed nephroscope for Mini-PCNL. Today the Mini-PCNL technique is the treatment of choice in percutaneous stone removal. He is also strongly involved in flexible ureterorenoscopy and the development of new disposables in endourology. A few years ago the smallest tipless basket on the market (1.2F) had been introduced. Mini PCNL as well as flexible URS are frequently presented by live surgery at national and international meetings.

### **S-04-2 Management of renal stones with flexible ureteroscopy : tips and tricks for a successful and complication free procedure**

**Petrisor Geavlete**

Saint John Emergency Clinical Hospital, Romania



### **S-04-3 Robotic assisted flexible ureterorenoscopic (Robotic fURS) management of renal calculi**

**Kemal Sarica**

Department of Urology, Dr. Lutfi KIRDAR Research and Training Hospital, Turkey





## Symposium 5

### S-05 Percutaneous nephrolithotomy (PNL)

July 20 (Wed) 15:20-16:20

Room 1 (2F International Conference Room)

Coordinator/Chair

**Madhu S. Agrawal**

Global Rainbow Healthcare, India



#### QUALIFICATIONS:

- MBBS 1979. University topper with Honors and Gold Medals, 'Best Student'.
- MS (Surgery) 1983, MCh (Urology) 1989.
- Obtained premature retirement as Professor from SN Medical College, Agra 2009.
- Presently Head, Department of Urology, Global Rainbow Healthcare, Agra, India.

#### HIGHLIGHTS:

- >100 publications in National & International Journals, text book chapters.
- >200 guest lectures, >200 papers presented in National & International conferences with many Best Paper awards.
- Reviewer for National & International Journals, including: BJUI, J Endourology, Urology, IJU, IJMR.
- One of the pioneers in Endourology in India, conducted >80 live workshops at National and International level.
- Received 'Rao Oration' 2006-07, 'Kataria Oration' 2010-11, & 'Marudhara Oration' 2013-14.
- Received President's Gold Medal 2015-16 of Urological Society of India.

## S-05-1 How to get the right access in PCNL and Endoscopic combined intrarenal surgery

**Junichi Matsuzaki**

Ohguchi Higashi General Hospital, Japan



### EDUCATION:

M.D., Yokohama City University Medical School, March 1989

Ph.D., Yokohama City University Medical School, March 1999

### EXPERIENCE:

Urological Chief in Department of Urology Ohguchi Higashi General Hospital since 2002.

Deputy director in Ohguchi Higashi General Hospital since 2015.

### PROFESSIONAL AFFILIATION:

A member of Japanese Urological Association since 1991.

A member of Japanese Cancer Association since 1991.

A member of Japanese Society of Clinical Oncology since 1991.

A member of Japanese Society of Endourology since 2004.

A member of American Urological Association since 2011.

A councilor of Japanese Society on urolithiasis Research since 2014

A councilor of Japanese Society of Endourology since 2014

Japanese Board Certified Instructor since 2000

## S-05-2 Minimally-invasive PNL

**Madhu S. Agrawal**

Global Rainbow Healthcare, Agra, India



## S-05-3 MIP vs flexible Ureteroscopy: what is the evidence

**Madhu S. Agrawal**

Global Rainbow Healthcare, Agra, India



## Symposium 6

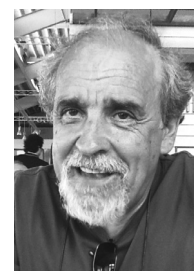
### S-06 Stone recurrence

July 20 (Wed) 16:20-17:20  
Room 1 (2F International Conference Room)

Coordinator/Chair

#### José M. Reis Santos

Uroclínica - Centro Clínico de Urologia, Lda., Portugal



#### CURRICULUM VITAE

José Manuel Reis Santos. Born in Portugal on 28-02-46

Hospital & Academic Career

- 1971 Graduation in Medicine, Lisbon University
- 1976 Founding Member and clinical director of Uroclínica, Lisbon
- 1979 Consultant Urologic Surgeon
- 1979 - 2002 Assistant Professor Urology, Lisbon New University
- 1986 Founding Member, Institute of Urology renamed in 2002, British Hospital Lisbon XXI
- 1988 Head of Department of Urology HCL Lisbon
- 1992 Fellow of the European Board of Urology (FEBU)
- 2002 - 2014 Professor of Bio-Engineering, Portuguese Catholic University
- Invited Professor, centres in EU, USA, Canada, Brazil etc.
- Author of various publications and book chapters
- One of the founders and Full member of eULIS board
- EAU, AUA, BAUS, APU, etc.society member
- Principal investigator in 29 clinical trials (Phase II-IV) and peer reviewer for various urologic journals



## Chair

**Kemal Sarica**

Department of Urology, Dr. Lutfi KIRDAR Research and Training Hospital, Turkey

**Graduated Faculty & Year:** University of Ankara, Medical School, 1981

**Place & Date of Professorship:** University of Gaziantep, Medical School,  
Dept. of Urology, 2003



**Professional Publications** (215)

**Number of Books/Book Chapters:** 9

**Memberships in Associations**

- American Urological Association (AUA)
- European Urological Association (EAU)
- Endourological Society
- Eurolithiasis Society (EULIS)

**International positions in Associations**

- Chairman : EAU Section of Eurolithiasis (EULIS)
- Member, Urolithiasis Guidelines Committee (EAU)
- Member , International Urolithiasis Society board (IUS)
- Co-chairman International Alliance of Urolithiasis (IAU)

**Member ( Editorial board, International journals )**

Urological Research (Member, editorial board)

Archiv.Italian.Urol.Androl (Member, editorial board)

## S-06-1 Reasons for failure of recurrence prevention

### Bernhard Hess

Internal Medicine and Nephrology, Kidney Stone Center Zurich, Klinik Im Park, Zurich, Switzerland



1972-1978 : Medical School Zurich.

1980 : M.D. degree, Faculty of Medicine, Zurich.

1980-1981 Pathology, Liestal/Basle

1981-1989 Internal Medicine and Nephrology in Zurich and Chicago

1989-1999: Chief-Resident and Chief of General Internal Medicine, University Hospital Berne

1994 Associate Professor Nephrology, University of Berne

1999-2005: Chief of Internal Medicine, Hospital Zimmerberg, Waedenswil/Zurich

2002 Associate Professor Internal Medicine, University of Zurich

7/2005- : Internal Medicine and Nephrology, Hirslanden Klinik Im Park Zurich and Paracelsus Hospital Richterswil/Zurich, Switzerland  
Founder/Chief of Kidney Stone Center Zurich

Nationally/internationally 700 lectures/workshops.

More than 150 scientific papers/reviews/book chapters.

Grant recipient for research on idiopathic calcium nephrolithiasis

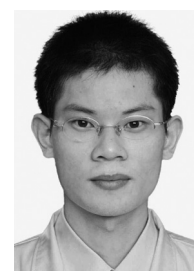
Member of Editorial Board of Urolithiasis, regular reviewer for nephrology and urology journals worldwide

Honorary Member of Swiss Society of Urology, former executive member of eULIS (Eurolithiasis Society, part of EAU)

## **S-06-2 How to prevent renal stone disease recurrence: a review from my practice**

**Wen Zhong**

Department of Urology, The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China



As an associate professor in the Guangzhou Medical University, youth committee of International Alliance of Urolithiasis (IAU). Major in Endourology, and skilled in urinary tract stone management, such as percutaneous nephrolithotomy, flexible/rigid ureteroscopy, especially good at Chinese mini-PCNL and super mini-PCNL.

## **S-06-3 Can endoscopic study of the papilla with new tools help fight recurrence?**

**James C. Williams**

Indiana University School of Medicine, USA



James Williams is Professor of Anatomy and Cell Biology at the Indiana University School of Medicine in Indianapolis, USA, and Adjunct Professor of Urology, University of Southern Denmark, in Odense. His primary area of research is in understanding urinary stone diseases. Recent studies have revealed that some calcium oxalate stone formers produce stones solely on Randall's plaque (interstitial, white plaque), while others also produce plugging of collecting ducts in the renal papilla. Visualization of these distinct mechanisms (interstitial plaque formation versus ductal plugging) has required study of the structure of the tiny stones that were found growing on the renal papillae in patients. This characterization of these stones has been possible only because of the development of micro-computed tomographic (micro CT) imaging of stones, work begun in Prof. Williams' laboratory.

## Symposium 7

**S-07 Oxalate**

July 21 (Thu) 10:10-11:10

Room 1 (2F International Conference Room)

Coordinator/Chair

**Ross Holmes**

University of Alabama at Birmingham, USA



Ross Holmes is a Professor in the Department of Urology at the University of Alabama at Birmingham. He has studied kidney stone disease for over 25 years with a focus on the contributions of dietary oxalate and the endogenous synthesis of oxalate to urinary oxalate excretion. An active area of research is identifying strategies that will reduce these contributions. Approaches include dietary modifications and siRNA therapies to decrease hepatic oxalate production.

Coordinator/Chair

**Dawn S. Milliner**

Mayo Clinic, Division of Nephrology, Mayo Clinic Hyperoxaluria Center, Rare Kidney Stone Consortium, USA



Dawn Milliner, M.D. received internal medicine and nephrology training at Mayo Clinic and pediatric nephrology at Children's Hospital of Los Angeles. She is a member of the Division of Nephrology, Department of Internal Medicine, and the Division of Pediatric Nephrology, Department of Pediatrics at the Mayo Clinic College of Medicine.

Dr. Milliner conducts research in pediatric stone disease, oxalate, and inherited forms of nephrolithiasis. She chaired the Seventh International Workshop on Primary Hyperoxaluria, served as chair of the Scientific Advisory Board of the Oxalosis and Hyperoxaluria Foundation and is past president of the Research on Calculus Kinetics Society. Dr. Milliner is medical director for the Mayo Clinic Hyperoxaluria Center, established by the Oxalosis and Hyperoxaluria Foundation and is principal investigator for the Rare Kidney Stone Consortium, funded by the NIH.

## S-07-1 Endogenous and dietary sources of oxalate

**Ross P. Holmes**

University of Alabama at Birmingham, USA



## S-07-2 Stone disease: idiopathic and secondary hyperoxaluria

**Roswitha Siener**

University Stone Centre, Department of Urology, University of Bonn, Germany

Prof. Dr. Roswitha Siener is a Professor in the Department of Urology at the University of Bonn, Germany, and Head of the University Stone Centre. Areas of her research are nearly all aspects of urinary stone disease, including epidemiology, pathophysiology, metabolism and nutrition.

Prof. Siener has authored numerous peer-reviewed articles, book chapters and conference abstracts. She has received several scientific awards both nationally and internationally. Prof. Siener is Editorial board member of the Journal of Translational Medicine, Urolithiasis and Uro-News and board member of the European Association of Urology (EAU) section of urolithiasis (EULIS).



## S-07-3 Kidney disease: primary and enteric hyperoxaluria

**Dawn S. Milliner**

Mayo Clinic, Division of Nephrology, Mayo Clinic Hyperoxaluria Center, Rare Kidney Stone Consortium, USA



## Symposium 8

**S-08 Inflammation and formation of kidney stone**

July 21 (Thu) 11:10-12:10

Room 1 (2F International Conference Room)

## Coordinator/Chair

**Saeed R. Khan**

Department of Pathology, Department of Urology, College of Medicine, University of Florida, USA



Saeed R Khan is Finlayson Professor of Urological Research in the Department of Urology, University of Florida and Director of their Training Program in Benign Urology Research. He is Associate Editor of Urolithiasis. Dr. Khan investigates all aspects of stone disease using experimental models as well as clinical specimens. His research has been supported by US National Institutes of Health. He has mentored over thirty graduate students and twenty post-doctoral fellows, authored more than four hundred publications including refereed articles in peer reviewed journals, book chapters, editorials, review articles and numerous abstracts. He has also edited a book, Oxalate in Biological Systems as well as Proceedings of the International Symposia. He has participated in numerous national and international meetings, giving more than seventy invited lectures and keynote addresses.

## Coordinator/Chair

**Takahiro Yasui**

Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Japan



## Education:

M.D. in 1994, Ph.D. in 2000 from the Nagoya City University Graduate School of Medical Sciences.

## Current Position:

2015 Professor, Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences

## Professional memberships:

Japanese Urological Association, Japanese Society on Urolithiasis Research (Director), Japanese Society of Endourology (Councilor), Japanese Society of Nephrology (Councilor), Japanese Society for Endoscopic Surgery, Japanese Association of Endocrine Surgery, American Urological Association, Société Internationale d'Urologie, etc.

## Awards:

Sakaguchi-Prize (Japanese Urological Association) in 2003, 1st Prize for Presentation (Japanese Society on Urolithiasis Research) in 2007, Best Presentation (Japanese Society of Nephrology) in 2010, Medical Research Award (Japan Medical Association) in 2011, International Journal of Urology Reviewer of the Year in 2012, Best Poster (European Association of Urology) in 2014, Best Poster (American Urological Association) in 2015 etc.

## **S-08-1 Gene expression signature of human renal epithelial cells involved in oxalate-induced inflammation**

**Hari K. Koul**

Department of Biochemistry and Molecular Biology, LSU Health Sciences Center Shreveport, LA and Shreveport, USA/Overton Brooks Veterans Administrative Medical Center, Shreveport, LA and Shreveport, USA/Feist Weiller Cancer Center, LSU Health Sciences Center Shreveport, LA and Shreveport, USA

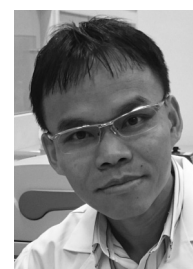


Dr. Hari K. Koul is the Carroll W. Feist Endowed Chair and Professor and Chairman of the Department of Biochemistry and Molecular Biology, LSUHSC, Shreveport, LA-USA. Dr. Koul is recognized as a basic-translational researcher in Urologic diseases. Of pertinent interest to Urolithiasis, Dr. Koul pioneered the field of oxalate nephrotoxicity and these studies have been funded by NIH since 1996 with a focus on evaluating the molecular signaling pathways associated with oxalate nephrotoxicity. Dr. Koul provided the first direct demonstration of toxic effects of oxalate to the renal epithelial cells, which led to a paradigm shift in our thinking as oxalate was considered as an inert metabolic end product. Over the years' major focus of Dr. Koul's research has been understanding the molecular mechanisms of oxalate renal cell interactions.

## **S-08-2 Intrarenal inflammation and presence of inflammatory proteins in urine and stone matrix of urolithiasis patients: do these evidences give us a clue of how inflammation mediates the formation of urinary stones?**

**Chanchai Boonla**

Department of Biochemistry, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand



I graduated B.Sc. in Medical Technology in 1999 and Ph.D. in Medical Biochemistry in 2004 from Khon Kaen University, Thailand. During my doctoral study, I trained research abroad at School of Biological Science, University of Manchester, UK in 2002, and at Department of Biochemistry and Biophysics, University of North Carolina at Chapel Hill, USA in 2003. I did my postdoctoral research (Humboldt Fellowship) at University of Freiburg, Germany in 2008. Now I am working as Assistant Professor at Department of Biochemistry, Faculty of Medicine, Chulalongkorn University, Bangkok Thailand. My research is focusing on urolithiasis and bladder cancer, especially in the aspects of how oxidative stress or reactive oxygen species (ROS) modifies epigenetic patterns during the pathogenesis and progression of urolithiasis and bladder cancer.

### **S-08-3 Macrophage-derived cytokines and chemokines may be new markers for calcium oxalate stone formation risk in humans**

**Atsushi Okada**

Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Japan



Atsushi Okada, MD, PhD is Associate Professor of Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan. He graduated from Nagoya City University, Medical School (Nagoya, Japan) in 1998 and Graduate School of Medical Sciences, Nagoya City University (Nagoya, Japan) in 2008. He works at the university hospital and educates the next generation as a proctor of robot-assisted operation, laparoscopic surgery, ESWL, URS and PNL. In 2000, He started a research on kidney stone formation using experimental animals and developed the first experimental kidney stone model mice. And, he determined suppressive roles of anti-inflammatory macrophages for kidney stone formation by crystal phagocytosis and processing. His current interests focus on the risk diagnosis and molecular-targeted therapy for kidney stones based on the mechanisms of stone formation.





## Symposium 9

**S-09 Growth-inhibition of urolithiasis**

July 21 (Thu) 13:30-14:30

Room 1 (2F International Conference Room)

Coordinator/Chair

**Neil S. Mandel**

Medical College of Wisconsin, Zablocki VA Medical Center, USA



I obtained my PhD in Chemistry in 1971 from the University of Pennsylvania, was a postdoctoral fellow in x-ray crystallography from 1972-1974 at the California Institute of Technology and was a Research faculty member at Caltech from 1974-1977. I was appointed an Assistant Professor of Medicine and Orthopedic Surgery at the Medical College of Wisconsin in 1978 and was appointed Professor of Medicine, Biophysics, and Biochemistry a few years later. I initiated and chaired the Biophysics Graduate Program at MCW for many years. I was appointed the Associate Chief of Staff for Research at the affiliated VA Medical Center as well as the Associate Dean for Research for 24 years. My interest in urolithiasis started upon my arrival at MCW and has continued now for more than 35 years.

Coordinator/Chair

**Jeffrey A. Wesson**

Department of Veterans Affairs, USA/Medical College of Wisconsin, USA



Jeffrey A. Wesson was born in 1954 in Rockford, Illinois, USA. He received his PhD in polymer physical chemistry from the University of Wisconsin-Madison in 1983, and he worked as a chemist at the Eastman Kodak Company Research Laboratories in Rochester, New York for 9 years on various problems in polymer characterization, particularly gelation behavior, before starting his career in medicine. He received his MD from the Medical College of Wisconsin, Milwaukee, Wisconsin in 1994. Following Internal Medicine residency and Nephrology fellowship there, he joined the faculty at the Medical College of Wisconsin in 1999, where he is now a full professor. His medical research career began during residency and has focused on the influence of urinary proteins and polymers on calcium oxalate crystallization and stone formation.

## **S-09-1 The inhibitor/promoter paradox in kidney stone disease: contributions of proteins and other macromolecules to calcium oxalate crystallization**

**Jeffrey A. Wesson**

Department of Veterans Affairs, USA/Medical College of Wisconsin, USA



## **S-09-2 The role of osteopontin in stone formation**

**Takahiro Yasui**

Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Japan



Education:

M.D. in 1994, Ph.D. in 2000 from the Nagoya City University Graduate School of Medical Sciences.

Current Position:

2015 Professor, Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences

Professional memberships:

Japanese Urological Association, Japanese Society on Urolithiasis Research (Director), Japanese Society of Endourology (Councilor), Japanese Society of Nephrology (Councilor), Japanese Society for Endoscopic Surgery, Japanese Association of Endocrine Surgery, American Urological Association, Société Internationale d'Urologie, etc.

Awards:

Sakaguchi-Prize (Japanese Urological Association) in 2003, 1st Prize for Presentation (Japanese Society on Urolithiasis Research) in 2007, Best Presentation (Japanese Society of Nephrology) in 2010, Medical Research Award (Japan Medical Association) in 2011, International Journal of Urology Reviewer of the Year in 2012, Best Poster (European Association of Urology) in 2014, Best Poster (American Urological Association) in 2015 etc.

### **S-09-3 Inhibitors of urinary crystallisation processes: what are they and are they clinically important in urolithiasis?**

**Allen L. Rodgers**

University of Cape Town, South Africa



Allen Rodgers MSc, PhD is currently Emeritus Professor & Senior Research Scholar at the University of Cape Town, South Africa, a position which he has held since January 2012. Prior to this he was Professor and Head of the Department of Chemistry for 11 years. He is a Life-time Fellow of the University of Cape Town and a Fellow of the Royal Society of South Africa. His research focus for the past 35 years has been the physicochemical aspects of calcium kidney-stone disease, a field in which he has published over 150 articles in peer-reviewed papers, conference proceedings and abstracts. He has trained 15 PhD and 12 MSc students. He is an Associate Editor of Urolithiasis and has served on the advisory boards of many international conferences on Urolithiasis.



## Symposium 10

### S-10 Life style-related risk and quality of life in stone formers

July 21 (Thu) 15:40-16:40

Room 1 (2F International Conference Room)

Coordinator/Chair

#### Giovanni Gambaro

Fondazione Policlinico A. Gemelli, Catholic University, Rome, Italy



GAMBARO GIOVANNI, MD, PhD.

Graduated in Padova, Italy, cum laude.

Specialist in Internal Medicine and Nephrology

PhD in Experimental Medicine/Nephrourological sciences

Past professional experience: Germany, UK.

Formerly Consultant, Academic Hospital, Padova; Associate Professor, Nephrology, Academic Hospital, Verona, Italy.

Full Professor of Nephrology, Academic Hospital, Catholic University, Roma, Italy

Director of Division of Nephrology; Policlinico A. Gemelli Academic Hospital, Roma, Italy

Director of the Postgraduate School of Nephrology, Catholic University, Roma, Italy.

Author of more than 300 papers published in international journals among which New Engl J Med, Lancet, JAMA, Eur Urol, JASN, KI, Nature Genetics, Nature.

H-index 31

Member of the scientific board of the EULIS and delegate in the board of ERA EDTA

Editor in chief of the Journal of Nephrology (official journal of the Italian Society of Nephrology)

## **S-10-1** Life style-related risk and quality of life in stone formers

Cancelled

## **S-10-2** Chronic renal pain in medullary sponge kidney (MSK)

**Giovanni Gambaro**

Division of Nephrology, Fondazione Policlinico A. Gemelli, Catholic University, Rome, Italy



## **S-10-3** Lifestyle factors and risk of urolithiasis

**Pietro Manuel Ferraro**

Division of Nephrology, Fondazione Policlinico A. Gemelli, Catholic University, Italy



Dr. Ferraro received his M.D. at the Catholic University of the Sacred Heart in Rome, and specialized in Nephrology at the Tor Vergata University. He pursued a M.Sc. in Epidemiology at the Harvard School of Public Health in Boston, and a Ph.D. in Endocrine Sciences at the Catholic University of the Sacred Heart, where he is currently working as Teaching Assistant.

## Oral Session

### Oral Session 1

#### Diagnosis and economics of urolithiasis

July 19 (Tue) 10:00-10:48  
Room 1 (2F International Conference Room)

Chairs: Fazil Y. Marickar  
(Mount Zion Medical College, India)  
Takuo Koide  
(Daito Central Hospital, Japan)

#### O-01

##### Symptoms and biochemical status

Fazil Y. Marickar  
Mount Zion Medical College, India

#### O-02

##### Is it possible to identify urinary stones in a doctor's office?

Paul Eapen  
University of Kentucky, USA

#### O-03

##### Effects of seasonal changes in ureterolithiasis morbidity on the diagnostic relevance in emergency clinical practice

Hiroki Fukuhara  
Nihonkai General Hospital, Japan

#### O-04

##### Economics of stone metaphylaxis in the diagnosis related groups (DRG) calculation system in Germany

Walter L. Strohmaier  
Klinikum Coburg, Germany

### Oral Session 2

#### Randall's plaques and hypercalciuria

July 19 (Tue) 13:20-14:20  
Room 1 (2F International Conference Room)

Chairs: John C. Lieske  
(Mayo Clinic, Rochester, USA)  
Makoto Morozumi  
(Department of Urology, Saitama Medical Center, Saitama Medical University, Japan)

#### O-05

##### Upregulation of osteogenic pathways in a rat model of calcium oxalate nephrolithiasis

Saeed R. Khan  
Department of Pathology, Department of Urology, College of Medicine, University of Florida, USA

#### O-06

##### Topography, composition and structure of incipient Randall's plaque at the nanoscale level

Emmanuel Letavernier  
Université Pierre et Marie Curie-Paris VI Sorbonne Universités, France

#### O-07

##### Characterization of inner medullary collecting duct plug formation among idiopathic calcium oxalate stone formers

John C. Lieske  
Mayo Clinic, Rochester, USA

#### O-08

##### Papillary calcifications in uric acid stone formers (UASF): first results

Walter L. Strohmaier  
Klinikum Coburg, Germany

#### O-09

##### Papillary calcifications: a new prognostic factor in idiopathic calcium oxalate urolithiasis (CaOxU)

Walter L. Strohmaier  
Klinikum Coburg, Germany

### Oral Session 3

#### Uric acid stones and others

July 20 (Wed) 9:10-9:58  
Room 2 (2F 201)

Chairs: Naim M. Maalouf  
(University of Texas Southwestern Medical Center, USA)  
Kiyoko Kaneko  
(Faculty of Pharma Sciences, Teikyo University, Japan)

#### O-10

##### Role of serum uric acid in metabolic changes in calculogenesis

Fazil Y. Marickar  
Mount Zion Medical College, India

#### O-11

##### Higher blood glucose is associated with higher urine citrate excretion

John C. Lieske  
Mayo Clinic, Rochester, USA



**O-12****Association between urine calcium excretion and bone mineral density in calcium stone formers**

Naim M. Maalouf  
University of Texas Southwestern Medical Center, USA

**O-13****Patients' compliance in the prevention of uric acid urolithiasis**

Walter L. Strohmaier  
Klinikum Coburg, Germany

**Oral Session 4****Pathogenesis of stones**

July 20 (Wed) 10:00-11:00  
Room 2 (2F 201)

Chairs: Shizuka Iida

(Iida Clinic, Japan)

Emmanuel Letavernier

(Université Pierre et Marie Curie-Paris VI Sorbonne  
Universités, France)

**O-14****Synergistic role of calcium and vitamin D in a murine model of kidney stone disease**

Emmanuel Letavernier  
Université Pierre et Marie Curie-Paris VI Sorbonne Universités,  
France

**O-15****NLRP3 inflammasomes are activated in oxalate nephropathy**

Saeed R. Khan  
Department of Pathology, Department of Urology, College of  
Medicine, University of Florida, USA

**O-16****Urinary biomarkers for renal damage in primary hyperoxaluria**

Xiangling Wang  
Mayo Clinic, USA

**O-17****Selective protein enrichment in calcium oxalate stone matrix**

Jeffrey A. Wesson  
Department of Veterans Affairs, USA/Medical College of Wisconsin,  
USA

**O-18****Type of stone disease and metabolic derangement**

Fazil Y. Marickar  
Mount Zion Medical College, India

**Oral Session 5****Epidemiology and nutrition**

July 20 (Wed) 11:10-12:10  
Room 2 (2F 201)

Chairs: Olivier Bonny

(University of Lausanne, Switzerland/University Hospital  
Lausanne, Switzerland)

Keiichi Tozawa

(Department of Nephro-urology, Nagoya City University  
Graduate School Medical Sciences, Japan)

**O-19****Demography and symptoms**

Fazil Y. Marickar  
Mount Zion Medical College, India

**O-20****Are there seasonal variations of renal colics in calcium oxalate stone formers in Germany?**

Walter L. Strohmaier  
Klinikum Coburg, Germany

**O-21****Impact of kidney stones and conventional risk factors on the incidence of chronic kidney disease according to 2 sets of diagnostic criteria in Japanese men**

Ryosuke Ando  
Department of Nephro-urology, Nagoya City University Graduate  
School of Medical Sciences, Japan

**O-22****Comparison of food intake assessed by food dairy and PRODI.6 analysis with 24 h urine excretion in Swiss kidney stone formers**

Olivier Bonny  
University of Lausanne, Switzerland/University Hospital Lausanne,  
Switzerland

**O-23****Swiss Kidney Stone Cohort: a prospective cohort of Swiss stone formers**

Olivier Bonny  
University of Lausanne, Switzerland/University Hospital Lausanne,  
Switzerland

**Oral Session 6****Medical management of urolithiasis**

July 20 (Wed) 13:30-14:30  
Room 2 (2F 201)

Chairs: Satoshi Yamaguchi  
(Department of Urology, Kitasaito Hospital, Japan)  
Taro Iguchi  
(Department of Urology, Osaka City University Graduate School of Medicine, Japan)

**O-24**

**Protective role of bergenin in ameliorating mitochondrial dysfunction associated with CaOx induced hyperoxaluria**

Deepika Aggarwal  
Department of Biochemistry, South Campus, Panjab University Chandigarh, India

**O-25**

**Medical management of calcium phosphate stone formers- impact of potassium citrate vs citric acid**

Naim M. Maalouf  
University of Texas Southwestern Medical Center, USA

**O-26**

**Renal stone clinic: how well do patients perceive physician's explanations and recommendations ?**

Bernhard Hess  
Internal Medicine and Nephrology, Kidney Stone Center Zurich, Klinik Im Park, Zurich, Switzerland

**O-27**

**The change of renal function after treatment with shock wave lithotripsy for urolithiasis; long-term follow-up**

Taro Iguchi  
Department of Urology, Osaka City University Graduate School of Medicine, Japan

**O-28**

**Role of alpha adrenergic blockers in uretric stones**

Fazil Y. Marickar  
Mount Zion Medical College, India

**Oral Session 7****ESWL and endourology**

July 20 (Wed) 14:30-15:18  
Room 2 (2F 201)

Chairs: Bodo E. Knudsen  
(The Ohio State University Wexner Medical Center, USA)  
Takashi Arakawa  
(International University of Health and Welfare Mita Hospital, Japan)

**O-29**

**Ureteral stones at Funabashi Clinic: a study of 777 cases based on stone composition**

Mika Kino  
Funabashi Clinic, Japan

**O-30**

**Computational simulation of endoscopic stone surgery: extra- and intra-three-dimensional fly through imaging in upper urinary tract**

Yasushi Yoshino  
Department of Urology, Nagoya University Graduate School of Medicine, Japan

**O-31**

**Investigation of the ideal position for percutaneous nephrolithotomy: prone position vs. modified Valdivia position**

Shuzo Hamamoto  
Nagoya City University Graduate School of Medical Sciences, Japan/SMART Study group, Japan

**O-32**

**Dusting vs basketing during ureteroscopic lithotripsy: what is more efficacious? A multi-center prospective trial from the EDGE research consortium**

Bodo E. Knudsen  
The Ohio State University Wexner Medical Center, USA

## Oral Session 8

### Metabolic factors and urinary substances

July 20 (Wed) 15:30-16:18  
Room 2 (2F 201)

Chairs: Saidakhror S. Kariev  
(Tashkent State Institute of Postgraduate Medical Education, Uzbekistan)  
Yasuo Kohjimoto  
(Wakayama Medical University, Japan)

#### O-33

#### The urinary kidney stone promoters and inhibitors in various categories of calcium urolithiasis

Saidakhror S. Kariev  
Tashkent State Institute of Postgraduate Medical Education,  
Uzbekistan

#### O-34

#### Hyaluronan is an accidental risk factor for recurrent calcium oxalate stone formers

Mayur Danny I Gohel  
Tung Wah College, Hong Kong

#### O-35

#### Plasma oxalate can be interpreted in relation to GFR to detect the likelihood of primary hyperoxaluria, enteric hyperoxaluria and common urinary stone disease

John C. Lieske  
Mayo Clinic, Rochester, USA

#### O-36

#### Relevance of urine calcium and metabolism of urinary stone

Fazil Y. Marickar  
Mount Zion Medical College, India

## Oral Session 9

### Urolithiasis in pediatrics and pregnant woman

July 22 (Fri) 10:00-10:48  
Room 1 (2F International Conference Room)

Chairs: Mayur Danny I Gohel  
(Tung Wah College, Hong Kong)  
Soichi Mugiya  
(Suzukake Central Hospital, Japan)

#### O-37

#### Renal histopathological features of dent disease, a rare but important cause of calcium stones to recognize

Xiangling Wang  
Mayo Clinic, USA

#### O-38

#### Challenges faced in detecting silent renal stones: lessons learnt from the melamine incident of paediatric stones

Mayur Danny I Gohel  
Tung Wah College, Hong Kong

#### O-39

#### Management of renal stones in older children with SWL : does general anesthesia have any impact on treatment outcomes ?

Murat Tuncer  
Department of Urology, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Turkey

#### O-40

#### Ureteroscopic management for ureteral stone in pregnancy using ultrasound without fluoroscopic monitoring

Soichi Mugiya  
Suzukake Central Hospital, Japan

## Moderated Poster

### Moderated Poster 1

#### Pathogenesis of stones

July 21 (Thu) 16:50-17:20  
Convention Hall A (2F)

Chair: Tatsuya Takayama  
(Jichi Medical University, Japan)

#### MP-01

**Do stone disease and related parameters have any effect on the physical as well as renal growth of children: results of a long-term follow-up evaluation**

Cahit Sahin  
Departments of Urology and Pediatrics, Dr. Lutfi Kirdar Kartal  
Research and Training Hospital, Istanbul, Turkey

#### MP-02

**Suppression of cellular damage during acute stage of CaOx crystal formation by renal tubular cell autophagy**

Rei Unno  
Nagoya City University Graduate School of Medical Sciences, Japan

#### MP-03

**Molecular analysis of the glyoxylate/hydroxypyruvate reductase (GRHPR) gene in Japanese patients with primary hyperoxaluria type 2**

Tatsuya Takayama  
Jichi Medical University, Japan

#### MP-04

**Nnt gene suppresses kidney stone formation and oxidative stress**

Masayuki Usami  
Nagoya City University Graduate School of Medical Sciences,  
Japan/Sakura General Hospital, Japan

#### MP-05

**Genome wide gene expression profiling of Randall plaques in calcium oxalate stone formers**

Kazumi Taguchi  
Department of Nephro-urology, Nagoya City University Graduate  
School of Medical Sciences, Japan/Department of Urology,  
University of California, San Francisco, USA

### Moderated Poster 2

#### Metabolic factors

July 21 (Thu) 17:26-17:50  
Convention Hall A (2F)

Chair: Mika Kino  
(Funabashi Clinic, Japan)

#### MP-06

**Effects of atherosclerosis-related factors on renal crystal formation in a mouse model of metabolic syndrome**

Yasuhiro Fujii  
Nagoya City University Graduate School of Medical Sciences, Japan

#### MP-07

**Uric acid stone components is potential risk factor for renal function deterioration**

Toshikazu Tanaka  
Department of Urology Hirosaki University School of Medicine,  
Hirosaki, Japan

#### MP-08

**Metabolic syndrome increases the risk for calcium oxalate stone formation: results from a Nationwide Survey on Urolithiasis in Japan**

Akinori Iba  
Wakayama Medical University, Japan

#### MP-09

**Hypocitraturia is much more important than hypercalciuria**

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

### Moderated Poster 3

#### Inflammation and others

July 21 (Thu) 16:50-17:20  
Convention Hall A (2F)

Chair: Masaaki Fujimura  
(Department of Urology, Chibaken Saiseikai Narashino  
Hospital, Japan)

#### MP-10

**Oxidative stress, inflammation and sialic acid content in renal tubular cells exposed to urine from nephrolithiasis patients and healthy individuals**

Chanchai Boonla  
Chulalongkorn University, Thailand/Department of Biochemistry,  
Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand

**MP-11**

**Neutrophil gelatinase-associated lipocalin (NGAL) as a biomarker of renal injury in patients with ureteric stones**

Marco Bolgeri  
University College London Hospital, UK/Darent Valley Hospital, UK

**MP-12**

**Comparison of stone culture using two different sampling methods (wet and dry)**

Marco Bolgeri  
University College London Hospital, UK

**MP-13**

**Impact of ureteral stones into the ureteral wall: is it possible to predict**

Cahit Sahin  
Departments of Urology and Pediatrics, Dr. Lutfi Kirdar Kartal Research and Training Hospital, Istanbul, Turkey

**MP-14**

**Medical expulsive therapy following SWL in ureteral calculi: an effective approach for the improvement of health-related quality of life**

Cahit Sahin  
Departments of Urology and Pediatrics, Dr. Lutfi Kirdar Kartal Research and Training Hospital, Istanbul, Turkey

---

**Moderated Poster 4**

**Diagnosis and medical management of urolithiasis**

July 21 (Thu) 17:26-17:56  
Convention Hall A (2F)

Chair: Yasunori Itoh  
(Nagoya City University Graduate School of Medical Sciences, Japan)

**MP-15**

**Precise identification of crystal deposits in the kidney tissue**

Vincent Frochot  
Assistance Publique - Hôpitaux de Paris, France

**MP-16**

**FTIR microspectroscopy is a major diagnostic tool for 2,8-dihydroxyadenine nephropathy**

Vincent Frochot  
Assistance Publique - Hôpitaux de Paris, France

**MP-17**

**Hyperoxaluria induced tubular ischemia: the effects of verapamil on the antioxidant capacity of the affected kidneys**

Cahit Sahin  
Departments of Urology and Pediatrics, Dr. Lutfi Kirdar Kartal Research and Training Hospital, Istanbul, Turkey

**MP-18**

**Probability of renal stone formation (PSF) in obese patients before and after gastric bypass surgery; effect of a preventive strategy**

Philippe Jaeger  
University College of London, Centre for Nephrology, London, UK/Service of Nephrology, Department of Medical Specialties, University Hospital of Geneva, Switzerland

**MP-19**

**Sildenafil, the selective alpha 1A adrenoceptor antagonist, facilitates expulsion of size 5 - 10 mm distal ureteral stones**

Yasunori Itoh  
Nagoya City University Graduate School of Medical Sciences, Japan

---

**Moderated Poster 5**

**ESWL and endourology 1/2**

July 21 (Thu) 16:50-17:26  
Convention Hall A (2F)

Chair: Masaki Shimbo  
(Department of Urology, St. Luke's International Hospital, Japan)

**MP-20**

**The impact of prostatic stones for the procedures of Holmium-Laser enucleation of prostate**

Masaki Shimbo  
Department of Urology, St. Luke's International Hospital, Japan

**MP-21**

**Endoscopic therapy for pediatric stone disease, our experience in more than hundred cases**

Florian Kurtz  
Rechts der Isar, Medical Center, Department of Urology, Technical University of Munich, Germany

**MP-22**

**New anatomical classification of the pelvicalyceal system for endoscopic intrarenal surgery**

Ryoji Takazawa  
Tokyo Metropolitan Ohtsuka Hospital, Japan

### MP-23

**Efficacy of ESWL training using human body-typed stone-targeting phantoms**

Atsushi Okada

Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Japan

### MP-24

**Stone density: probably most important predictive factor on the stone free rate of endoscopic treatment (RIRS)?**

Igor Romanowsky

Soroka University Hospital, Ben Gurion University, Israel

### MP-25

**Stone size was the only independent predictor of residual stone and multiple procedures of ECIRS**

Shimpei Yamashita

Wakayama Medical University, Japan

### MP-30

**Active stone removal can prevent stone-related deaths in bedridden patients with upper urinary tract calculi**

Shimpei Yamashita

Wakayama Medical University, Japan

### MP-31

**Risk factors for loss to follow-up in patients with upper urinary tract stones after surgical treatment**

Akinori Iba

Wakayama Medical University, Japan

## Moderated Poster 6

### ESWL and endourology 2/2

July 21 (Thu) 17:26-18:02

Convention Hall A (2F)

Chair: Iwao Yoshioka

(Osaka Police Hospital Urology, Japan)

### MP-26

**Peri-operative outcomes of percutaneous stone surgery in patients with urinary diversions**

Marco Bolgeri

University College London Hospital, UK

### MP-27

**Can we identify predictors for the risk of embolization following percutaneous nephrolithotomy?**

Marco Bolgeri

University College London Hospital, UK

### MP-28

**Evaluation of predictive factors for post-operative pyrexia of transurethral lithotripsy (TUL)**

Go Anan

St. Luke's International Hospital, Japan

### MP-29

**The reasons of inaccuracies admitted in the evaluation of postoperative complications by Clavien-Dindo grading system in the endoscopic treatment of urolithiasis**

Shukhrat T. Mukhtarov

Republican Specialized Center of Urology, Uzbekistan

## Free Poster

### Free Poster 1

#### Epidemiology and nutrition

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

#### FP-01

Age-related differences in impacts of ambient hot season on clinical presentation of acute renal colic in stone formers

Osamu Ichiyanagi  
Yamagata University Faculty of Medicine, Japan

#### FP-02

The correlation between abdominal obesity and stone analysis in Korean patients

Jea Whan Lee  
Wonkwang University Hospital, South Korea

#### FP-03

Pregnancy decrease the incidence of stone recurrence in female patients with urolithiasis

Wen-Chi Chen  
China Medical University, Taiwan/China Medical University Hospital, Taiwan

#### FP-04

The role of metabolic abnormalities in stone patients at different age groups

Fazil Y. Marickar  
Mount Zion Medical College, India

#### FP-05

Influence of sex in the metabolic parameters of stone formation

Fazil Y. Marickar  
Mount Zion Medical College, India

### Free Poster 2

#### Pathogenesis of stones

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

#### FP-06

Recovery from nephrotoxicity in rats administered both melamine and cyanuric acid

Takahiro Kobayashi  
Anjo Kosei Hospital, Japan

#### FP-07

Toward a new insight of calcium oxalate crystals in fly by nano-computerized tomography

Wen-Chi Chen  
China Medical University, Taiwan

#### FP-08

Pattern of crystalluria relating to severity of stone disease

Fazil Y. Marickar  
Mount Zion Medical College, India

#### FP-09

Does stone episode depend on metabolic status?

Fazil Y. Marickar  
Mount Zion Medical College, India

#### FP-10

Are metabolic changes different in recurrent stone formers and one time stone formers?

Fazil Y. Marickar  
Mount Zion Medical College, India

### Free Poster 3

#### Crystals and cells

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

#### FP-11

Epithelial to mesenchymal transition (EMT) in vivo and in vitro induced by calcium oxalate (CaOx) and oxalate (Ox)

Fernanda T. Borges  
ICAFE, Universidade Cruzeiro do Sul, Brazil/Universidade Federal de São Paulo, Brazil

#### FP-12

Calcium oxalate monohydrate crystals in urinary stone metabolism

Fazil Y. Marickar  
Mount Zion Medical College, India

#### FP-13

The presence of calcium oxalate dihydrate crystals and stone metabolism

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-14**

Presence of RBC in urine related to biochemical profile of stone formers

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-15**

The relevance of pus cells in urine in the metabolism of urinary stone formers

Fazil Y. Marickar  
Mount Zion Medical College, India

**Free Poster 4****Genetics of stones disease**

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

**FP-16**

Presence of genetic diversity in Asian and European cystinuria mutations

Shinichi Sakamoto  
Department of Urology, Chiba University School of Medicine,  
Chiba, Japan

**Free Poster 5****Inhibitors and promoters of stone-formation**

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

**FP-17**

Inhibitory effect of Rooibos tea on urinary stone formation in a rat model

Yasuhiko Hirose  
Nagoya City University Graduate School of Medical Sciences,  
Japan/Anjo Kosei Hospital, Japan

**FP-18**

The effect of green tea for the early period of renal crystal formation

Masahito Hirose  
Konan Kosei Hospital, Japan

**FP-19**

Febuxostat reduces calcium oxalate monohydrate crystal-induced upregulation of MCP-1 in MDCK cells

Dan Nakai  
Kanazawa Medical University, Japan

**FP-20**

Evaluation of flavonoids of *Ziziphus Lotus L* for antiurolithiatic activities

Ahmed Bensatal  
Laboratoire de Chimie, Université Zian Achour de Djelfa, Djelfa,  
Algeria

**FP-21**

Role of mitochondrial permeability transition in kidney stone formation

Yasuhiko Ito  
Nagoya City University Graduate School of Medical Sciences,  
Japan/Holy Spirit Hospital, Japan

**Free Poster 6****Metabolic factors and stones**

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

**FP-22**

Cancelled

**FP-23**

Cancelled

**FP-24**

A single blind, parallel trial of L-Hydroxyproline in healthy adult subjects

Saori Akizuki  
Kyowa Hakko Bio Co., Ltd, Japan

**FP-25**

Different presentations of stone disease and metabolic status

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-26**

Urinary oxalate in relation to metabolic parameters in stone disease

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-27**

Role of serum calcium in the metabolism of stone formation

Fazil Y. Marickar  
Mount Zion Medical College, India



**FP-28****Urine uric acid and metabolic profile in urinary stone formation**

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-29****Black stones and white stones the metabolic difference**

Fazil Y. Marickar  
Mount Zion Medical College, India

**Free Poster 7****Diagnosis of urolithiasis**

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

**FP-30****Microplate method for measurement of urinary supersaturation to indicate stone recurrence of calcium oxalate**

Nobuyo Morita  
Kanazawa Medical University, Japan

**FP-31****Can we predict a urinary stone composition by dual energy analysis of computerized tomography?**

Satoshi Yamaguchi  
Department of Urology, Kitasaito Hospital, Japan

**FP-32****Efficacy of dual energy CT on urolithiasis diagnosis and treatment**

Fuminari Hanashima  
Saitama Medical University, Japan

**FP-33****The efficacy of KUB and ultrasonography for the detection of renal stone**

Toru Kanno  
Ijinkai Takeda General Hospital, Japan

**Free Poster 8****Medical management of urolithiasis**

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

**FP-34****Changes in renal papillary density after hydration therapy in calcium stone formers**

Pietro Manuel Ferraro  
Catholic University, Rome, Italy

**FP-35****The clinical role of procalcitonin for urinary tract infection caused by urinary stone**

Takafumi Minami  
Department of Urology, Kinki University School of Medicine, Japan

**FP-36****Effect of vitamin D supplementation on urinary calcium excretion in women with hypercalciuria**

Armando L. Negri  
Instituto de Investigaciones Metabolicas Universidad del Salvador, Argentina

**FP-37****Calcium oxalate stone formation can be prevented**

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-38****Are diuretics indicated in urinary stone prevention?**

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-39****Stone clinic effect the missing factor**

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-40****Role of stone analysis in stone prevention**

Fazil Y. Marickar  
Mount Zion Medical College, India

**FP-41****Problems with citrate therapy**

Fazil Y. Marickar  
Mount Zion Medical College, India

## FP-42

Summation effect on stone nucleation a new concept for prophylaxis

Fazil Y. Marickar  
Mount Zion Medical College, India

## Free Poster 9

### ESWL and endourology

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

## FP-43

Expectant management and active stone removal for asymptomatic renal stones

Takashi Iguchi  
Wakayama Medical University, Japan

## FP-44

Planning of percutaneous nephrolithotomy using three dimensional computed tomography

Shuji Isotani  
Juntendo University, Japan

## FP-45

Recurrence rate of the upper urinary tract stones

Takuro Masaki  
Harasanshin Hospital, Japan

## FP-46

Our initial experience of endoscopic combined intrarenal surgery (ECIRS) in the Galdakao-modified supine Valdivia position

Fang-Ching Lee  
Toho University Sakura Medical Center, Japan

## FP-47

Treatment of upper urinary tract stones over 2cm in size with TUL assisted PNL (TAP)

Yasunobu Hashimoto  
Saiseikai Kawaguchi General Hospital, Japan/Tokyo Women's Medical University Aoyama Hospital, Japan

## FP-48

A clinical outcome of endoscopic management for 20mm or more of large renal calculi

Mitsunori Matsuo  
Kurume University School of Medicine, Japan

## FP-49

Comparison of percutaneous nephrolithotripsy and retrograde intrarenal surgery for renal stone with a diameter of 20 to 40 mm

Kohsuke Uchida  
Sanjukai Hospital, Japan

## FP-50

Wideband doppler ultrasound-guided mini-endoscopic combined intrarenal surgery as an effective and safe procedure for management of large renal stones: a preliminary report

Takaaki Inoue  
Department of Urology and Stone Center, Takii Hospital, Kansai Medical University, Japan

## FP-51

Successful removal of a staghorn calculus by mini-endoscopic combined intrarenal surgery in a child

Teruaki Sugino  
Department of Nephro-urology, Nagoya City University Graduate School of Medical Sciences, Japan

## FP-52

Impact of preoperative stenting to flexible ureterorenoscope on outcomes and patient quality of life

Nobuyo Morita  
Kanazawa Medical University, Japan

## FP-53

Effectiveness of preoperative stenting with flexible ureterorenoscopic lithotripsy for renal stones

Shohei Ishida  
Department of Urology, Nagoya University Graduate School of Medicine, Japan

## FP-54

The evaluation of urination-related QOL after ureteroscopic lithotripsy with indwelling the ureteral stent: loop tail stent vs pig tail stent

Makoto Taguchi  
Department of Urology and Stone Center, Kansai Medical University Takii Hospital, Japan/Department of Urology and Andrology, Kansai Medical University Hirakata Hospital, Japan

## FP-55

Relationship between infectious fever and clinical parameters following percutaneous nephrolithotomy (PNL)

Masaaki Fujimura  
Department of Urology, Chibaken Saiseikai Narashino Hospital, Japan

**FP-56**

Prevention of postoperative high fever of transurethral lithotripsy after treatment of obstructive pyelonephritis due to ureteral stone

Genya Nishikawa

Aichi Medical University School of Medicine, Japan

**FP-57**

Two cases of reduced port laparoscopic pyeloplasty concomitant with pyelolithotomy

Naoyuki Yamanaka

Department of Urology, Faculty of Medicine, Oita University, Japan

**FP-58**

Surgical outcomes in laparoscopic lithotomy for upper urinary tract stones

Kimito Osaka

Yokohama City University Graduate School of Medicine, Japan

---

**Free Poster 10**
**Urolithiasis and inflammation**


---

July 19 (Tue) 17:30-18:30  
Convention Hall A (2F)

**FP-59**

Clinical usefulness of presepsin in obstructive acute pyelonephritis due to upper urinary calculi

Mitsuhiro Tambo

Kyorin University School of Medicine, Japan

**FP-60**

Clinical implication of intraoperative stone culture in transurethral ureterolithotripsy

Taro Murata

Tokyo Metropolitan Police Hospital, Japan

**FP-61**

Effect of *Oxalobacter formigenes* colonization on urinary oxalate excretion

Lama Nazzal

NYU Langone Medical Center, New York, USA

**FP-62**

Chronic stress and calcium oxalate urolithiasis: are the changes in urinary risk factors due to stress *per se*?

Montserrat Arzo-Fabregas

Hospital Germans Trias i Pujol, Badalona, Spain

## Luncheon Seminar 1

### Androgen Receptor and Stone-CaOx Crystal Formation - Urinary, Prostate, Kidney -

July 19 (Tue) 12:10-13:10  
Room 1 (2F International Conference Room)

Chair

**Koichiro Akakura**

Japan Community Healthcare Organization Tokyo Shinjuku Medical Center, Japan

Speaker

**Chawnshang Chang**

University of Rochester, Rochester, NY, USA

Janssen Pharmaceutical K.K. / AstraZeneca K.K.

## Luncheon Seminar 2



\*Japanese (Simultaneous translation is available.)

### Best Learning Methods for Ureteroscopic Surgery Skills ~ New Skill up Simulator ~

July 21 (Thu) 12:20-13:20  
Room 1 (2F International Conference Room)

Chair

**Kikuo Nutahara**

Kyorin University School of Medicine, Japan

Speaker

**Takaaki Inoue**

Kansai Medical University, Medical Center, Japan

OLYMPUS CORPORATION

## Hands-on Seminar

### 2-1 Flexible URS Hands-on Seminar

July 21 (Thu) 10:30-12:00  
(2F 202)

#### Instructors

**Thomas Knoll**

Department of Urology, Klinikum Sindelfingen-Böblingen, Germany

**Yohei Omori**

Department of Urology, Tsukuba Medical Center Hospital, Japan

Boston Scientific Japan K.K.

## Presidential Seminar

### Current status of hormonal therapy for prostate cancer

July 20 (Wed) 12:20-13:20  
Room 1 (2F International Conference Room)

#### Speaker

**Tomohiko Ichikawa**

Department of Urology, Graduate School of Medicine, Chiba University, Japan

Takeda Pharmaceutical Company Limited.



# INDEX

## Coordinators/Chairs Index

Coordinator : ◎ Chair : \* Coordinator/Chair : ◎/ \*

## A

Agrawal, Madhu S. S-05<sup>◎/ \*</sup>  
 Arakawa, Takashi S-04<sup>◎</sup>, Oral Session 7 \*

## B

Bonny, Olivier Oral Session 5 \*  
 Buchholz, Noor S-01<sup>◎/ \*</sup>

## F

Fujimura, Masaaki Moderated Poster 3 \*

## G

Gambaro, Giovanni S-10<sup>◎/ \*</sup>  
 Geavlete, Petrisor S-04 \*  
 Gohel, Mayur Danny I Oral Session 9 \*  
 Goldfarb, David S. S-02<sup>◎/ \*</sup>

## H

Hara, Isao S-01<sup>◎/ \*</sup>  
 Hess, Bernhard L-08 \*  
 Holmes, Ross S-07<sup>◎/ \*</sup>

## I

Ichikawa, Tomohiko L-02 \*, L-06 \*  
 Iguchi, Taro Oral Session 6 \*  
 Iida, Shizuka Oral Session 4 \*  
 Itoh, Yasunori Moderated Poster 4 \*

## J

Jaeger, Philippe L-10 \*

## K

Kaneko, Kiyoko Oral Session 3 \*  
 Kariev, Saidakhror S. Oral Session 8 \*  
 Khan, Saeed R. S-08<sup>◎/ \*</sup>  
 Kino, Mika Moderated Poster 2 \*  
 Knudsen, Bodo E. Oral Session 7 \*  
 Kohjimoto, Yasuo Oral Session 8 \*  
 Kohri, Kenjiro L-09 \*  
 Koide, Takuo Oral Session 1 \*

## L

Letavernier, Emmanuel Oral Session 4 \*  
 Lieske, John C. Oral Session 2 \*

## M

Maalouf, Naim M. Oral Session 3 \*  
 Mandel, Neil S. S-09<sup>◎/ \*</sup>  
 Marickar, Fazil Y. Oral Session 1 \*  
 Matsuda, Tadashi L-01 \*  
 Milliner, Dawn S. S-07<sup>◎/ \*</sup>  
 Miyazawa, Katsuhito L-11 \*  
 Morozumi, Makoto L-07 \*, Oral Session 2 \*  
 Mugiya, Soichi Oral Session 9 \*

## N

Nakatani, Tatsuya L-05 \*  
 Ng, Anthony Cf. L-13 \*  
 Nutahara, Kikuo L-04 \*

## R

Reis Santos, José M. S-06<sup>◎/ \*</sup>

## S

Sakhaee, Khashayar S-03<sup>◎/ \*</sup>  
 Sarica, Kemal S-04<sup>◎/ \*</sup>, S-06 \*  
 Shimbo, Masaki Moderated Poster 5 \*  
 Suzuki, Koji L-03 \*

## T

Takayama, Tatsuya Moderated Poster 1 \*  
 Tiselius, Hans-Göran G-02 \*  
 Tozawa, Keiichi Oral Session 5 \*  
 Trinchieri, Alberto S-03<sup>◎/ \*</sup>  
 Tuerk, Christian G-01 \*

## W

Wesson, Jeffrey A. S-09<sup>◎/ \*</sup>

## Y

Yamaguchi, Satoshi Oral Session 6 \*  
 Yasui, Takahiro S-08<sup>◎/ \*</sup>  
 Yoshioka, Iwao Moderated Poster 6 \*



# Authors Index

## A

Aggarwal, Deepika	O-24
Agrawal, Madhu S.	S-05-2, S-05-3
Akizuki, Saori	FP-24
Anan, Go	MP-28
Ando, Ryosuke	O-21
Asplin, John R.	S-02-1
Arzoz-Fabregas, Montserrat	FP-62
Ather, Hammad M	S-01-2

## B

Bensatal, Ahmed	FP-20
Bolgeri, Marco	MP-11, MP-12, MP-26, MP-27
Bonny, Olivier	O-22,O-23
Boonla, Chanchai	S-08-2, MP-10
Borges, Fernanda T.	FP-11

## C

Chaussy, Christian G.	L-01
Chen, Wen-Chi	FP-03,FP-07

## E

Eapen, Paul	O-02
-------------	------

## F

Ferraro, Pietro Manuel	S-10-3,FP-34
Frochot, Vincent	MP-15, MP-16
Fujii, Yasuhiro	MP-06
Fujimura, Masaaki	FP-55
Fukuhara, Hiroki	O-03

## G

Gambaro, Giovanni	S-10-2
Geavlete, Petrisor	S-04-02
Gohel, Mayur Danny I	L-13,O-34, O-38
Goldfarb, David S.	S-02-3

## H

Hamamoto, Shuzo	O-31
Hanashima, Fuminari	FP-32
Hashimoto, Yasunobu	FP-47
Hauner, Katharina	MP-09
Hess, Bernhard	S-06-1,O-26
Hirose, Masahito	FP-18
Hirose, Yasuhiko	FP-17
Holmes, Ross P.	S-07-1

## I

Iba, Akinori	MP-08, MP-31
Ichikawa, Tomohiko	L-05
Ichiyanagi, Osamu	FP-01
Iguchi, Takashi	FP-43
Iguchi, Taro	O-27
Inoue, Takaaki	FP-50
Ishida, Shohei	FP-53
Isotani, Shuji	FP-44
Ito, Yasuhiko	FP-21
Itoh, Yasunori	MP-19

## J

Jaeger, Philippe	MP-18
------------------	-------

## K

Kanai, Yoshikatsu	L-06
Kanno, Toru	FP-33
Kariev, Saidakhror S.	O-33
Khan, Saeed R.	L-07,O-05, O-15
Kino, Mika	O-29
Knoll, Thomas	G-01
Knudsen, Bodo E.	G-02,O-32
Kobayashi, Takahiro	FP-06
Kohjimoto, Yasuo	S-01-3
Koul, Hari K.	S-08-1
Kurtz, Florian	MP-21

## L

Lahme, Sven	S-04-1
Lee, Fang-Ching	FP-46
Lee, Jea Whan	FP-02

Letavernier, Emmanuel	O-06,O-14
Lieske, John C.	O-07,O-11, O-35

## M

Maalouf, Naim M.	O-12,O-25
Marickar, Fazil Y.	O-01,O-10, O-18,O-19, O-28,O-36, FP-04,FP-05, FP-08,FP-09, FP-10,FP-12, FP-13,FP-14, FP-15,FP-25, FP-26,FP-27, FP-28,FP-29, FP-37,FP-38, FP-39,FP-40, FP-41,FP-42
Masaki, Takuro	FP-45
Matsuo, Mitsunori	FP-48
Matsuzaki, Junichi	S-05-1
Milliner, Dawn S.	S-07-3
Minami, Takafumi	FP-35
Moe, Orson	S-03-3
Morita, Nobuyo	FP-30,FP-52
Mugiya, Soichi	O-40
Mukhtarov, Shukhrat T.	MP-29
Murata, Taro	FP-60

## N

Nakai, Dan	FP-19
Nazzal, Lama	FP-61
Negri, Armando L.	FP-36
Ng, Anthony Cf.	S-01-1
Nishikawa, Genya	FP-56

## O

Okada, Atsushi	S-08-3, MP-23
Osaka, Kimito	FP-58

## R

Robertson, William G.	L-03
Rodgers, Allen L.	L-09,S-09-3
Romanowsky, Igor	MP-24
Ryall, Rosemary L.	L-11

**S**

Sahin, Cahit	MP-01, MP-13, MP-14, MP-17
Sakamoto, Shinichi	FP-16
Sakhaee, Khashayar	S-03-2
Sarica, Kemal	L-02,S-04-3
Shimbo, Masaki	MP-20
Siener, Roswitha	L-08,S-02-2, S-07-2
Strohmaier, Walter L.	L-04,O-04, O-08,O-09, O-13,O-20
Sugino, Teruaki	FP-51

**T**

Taguchi, Kazumi	MP-05
Taguchi, Makoto	FP-54
Takayama, Tatsuya	MP-03
Takazawa, Ryoji	MP-22
Tambo, Mitsuhiro	FP-59
Tanaka, Toshikazu	MP-07
Trinchieri, Alberto	S-03-1
Tuncer, Murat	O-39

**U**

Uchida, Kohsuke	FP-49
Unno, Rei	MP-02
Usami, Masayuki	MP-04

**W**

Wang, Xiangling	O-16,O-37
Wesson, Jeffrey A.	S-09-1,O-17
Williams, James C.	L-10,S-06-3

**Y**

Yamaguchi, Satoshi	FP-31
Yamanaka, Naoyuki	FP-57
Yamashita, Shimpei	MP-25, MP-30
Yasui, Takahiro	S-09-2
Yoshino, Yasushi	O-30

**Z**

Zhong, Wen	S-06-2
------------	--------