

14th International Symposium on Radionuclides in Nephrourology & The IAEA Regional Training Course on Radionuclides in Nephrourology Scientific Programme

Monday 10 May 2010 (IAEA course only)

17:00 - 19:00 IAEA course opening (M.Dondi, J.Zaknun, J.Kubinyi)

17:00 - 17:15 Welcome/Introduction - J.Kubinyi (Prague)

17:15 - 18:15 IAEA lecture - aims and projects - M.Dondi (IAEA), J.Zaknun (IAEA)

18:15 - 19:15 Pre-course MCQ test - J.Zaknun (IAEA)

19.30 dinner

Tuesday 11 May 2010 (IAEA course only)

08:30 - 10:00 Physiology and pathophysiology of the kidney (A.Prigent)

08:30 - 09:20 Physiology of the kidney - A.Prigent (Paris)

09:20 - 10:00 Pathophysiology of the kidney: role of the kidney in regulation of extracellular volume and hypertension - V.Certikova (Prague)

10:00 - 10:30 coffee break

10:30 - 12:30 Radionuclide examinations in nephrology and urology (E.Durand)

10:30 - 11:30 Radionuclide methods in vitro (clearances) - E.Durand (Paris)

11:30 - 12:30 Quantitative methods in renography - R.S.Lawson (Manchester)

12:30 - 14:00 lunch

14:00 - 16:00 Radionuclide methods with pharmacological intervention (Z.Szabo)

14:00 - 15:00 Molecular basis for pharmacological interventions - Z.Szabo (Baltimore, MD)

15:00 - 16:00 Radionuclide methods in hydronephrosis - J.Frokiaer (Aarhus)

16:00 - 16:30 coffee break

16:30 - 18:30 Presentation of the IAEA renal analysis software (J.Zaknun)

16:30 - 17:30 The IAEA renal analysis software project: aims and results - J.Zaknun (IAEA)

17:30 - 18:30 Workshop: demonstration of the IAEA renal analysis software - J.Zaknun (IAEA)

19.30 symposium opening, welcome party

Wednesday 12 May 2010

08:30 - 10:30 Radionuclide methods in paediatric nephrourology - I (A.Piepsz)

08:30 - 08:50 Obstructive uropathy in infants - guidelines of EAU/ESPU - R.Kocvara (Prague)

08:50 - 09:30 Towards a definition of obstruction - P.Mouriquand (Lyon)

09:30 - 10:00 Answers from nuclear medicine - A.Piepsz (Brussels)

10:00 - 10:30 Panel discussion - R.Kocvara, P.Mouriquand, A.Piepsz

10:30 - 11:00 coffee break

11:00 - 12:30 Radionuclide methods in paediatric nephrourology - II (J.Frokiaer)

11:00 - 11:20 Cortical renal scintigraphy: established usefulness in febrile UTI evaluation and future developments - D.DePalma (Varese)

11:20 - 12:00 The results of the randomized Swedish study of high grade reflux - S.Hansson (Gothenburg)

12:00 - 12:30 Panel discussion - J.Frokiaer, D.DePalma, S.Hansson

12:30 - 14:00 lunch

14:00 - 16:00 Radionuclide methods in nephrourology - I (Z.Szabo)

14:00 - 14:30 Renal imaging with PET - Z.Szabo (Baltimore, MD)

14:30 - 15:00 PET/CT imaging and radioimmunotherapy of prostate cancer - K.Bouchelouche (Copenhagen)

15:00 - 15:30 New PET radiopharmaceuticals: targeting the L-amino acid transport system - J.Frokiaer (Aarhus)

15:30 - 16:00 New single-photon radiopharmaceuticals for renal scintigraphy - A.Taylor (Atlanta, GA)

16:00 - 16:30 coffee break

16:30 - 18:30 Radionuclide methods in nephrourology II (A.Eskild-Jensen)

16:30 - 16:50 Renal tissue tracer transit: a basic parameter for better understanding of renal disease? - J.H.Clorius (Heidelberg)

16:50 - 17:20 Renal tissue tracer transit in hydronephrosis: pathophysiology and clinical utility

- A.Schlotmann (Freiburg)

17:20 - 17:50 Renal protection and toxicity related to peptide receptor radionuclide therapy using

somatostatin analogues: long term results in over 500 patients - V.Prasad, R.Baum (Bad Berka)

17:50 - 18:10 Percutaneous transluminal angioplasty of renal arteries - J.Peregrin (Prague)

18:10 - 18:30 The role of nuclear medicine in renal transplantation: enhancing the identification of renoprotective treatment modalities for improved renal function following kidney transplantation - T.Herrler (Munich)

19:30 - 20:30 dinner

20:30 - 22:00 Fireside session on the past and the future of radionuclide nephrourology

M.D.Blafox, M.Dondi, E.Dubovsky, A.Piepsz, A.Taylor and guests

Thursday 13 May 2010

08:30 - 10:30 Radiologic imaging of renal structure and function with CT, MR, US (N.Grenier)

08:30 - 09:00 Glomerular filtration rate with MDCT - L.Juillard (Lyon)

09:00 - 09:30 Measurement of differential renal function and GFR with MR imaging - N.Grenier (Bordeaux)

09:30 - 10:00 BOLD and diffusion MRI of the kidney: a diagnostic and/or prognostic tool? - P.V.Prasad (Chicago, IL)

10:00 - 10:30 Renal perfusion measurement with US contrast agents - E.Quaia (Trieste)

10:30 - 11:00 coffee break

11:00 - 12:30 Radiology versus nuclear medicine (E.Durand)

11:00 - 11:30 Nuclear medicine versus radiology: general considerations (image characteristics, dosimetry) - E.Durand (Paris)

11:30 - 12:00 Toxicity of contrast agents - N.Grenier (Bordeaux)

12:00 - 12:30 New imaging agents - P.Chaumet-Riffaud (Paris)

12:30 - 14:00 lunch

14:00 - 15:30 Free communications - posters (meet the author session)

16:00 - 21:00 conference trip, dinner

Friday 14 May 2010

08:30 - 10:30 Renal software, expert systems, and structured reporting - I (A.Taylor)

08:30 - 08:40 Introduction - A.Taylor (Atlanta, GA)

08:40 - 09:00 What parameters should be measured and why & QC (clinician's view) - A.Piepsz (Brussels)

09:00 - 09:20 What parameters should be measured and why & QC (researcher's view) - M.Samal (Prague)

09:20 - 10:10 Structured reporting for diuresis renography in adults - A.Taylor (Atlanta, GA)

10:10 - 10:30 Structured reporting for diuresis renography in children - A.Piepsz (Brussels)

10:30 - 11:00 coffee break

11:00 - 12:30 Renal software, expert systems, and structured reporting - II (M.D.Blafox)

11:00 - 11:10 Introduction - M.D.Blafox (New York, NY)

11:10 - 11:55 Expert systems for suspected obstruction - A.Taylor (Atlanta, GA)

11:55 - 12:30 Panel discussion: M.D.Blafox, A.Piepsz, M.Samal, A.Taylor

12:30 - 14:00 lunch

14:00 - 16:00 Renal analytic software - examples and solutions (D.DePalma)

14:00 - 14:30 IAEA software presentation - J.Zaknun (IAEA)

14:30 - 15:00 Clinical experience with HERMES renal software - M.Rehling (Aarhus)

15:00 - 15:20 Renogram processing - the Manchester method - R.S.Lawson (Manchester)

15:20 - 15:40 Fractional uptake rate revisited - theory and clinical validation - M.Samal (Prague)

15:40 - 16:00 QC of gamma camera method for measurement of renal function - D.DePalma (Varese)

16:00 - 16:30 coffee break

16:30 - 18:30 Read with the experts (B.Erbas)

16:30 - 17:30 Read with the experts - I - A.Eskild-Jensen (Aarhus)

17:30 - 18:30 Read with the experts - II - B.Erbas (Ankara)

18:30 - 19:30 MCQ test (IAEA course only) - J.Zaknun, J.Kubinyi

20.30 symposium closing, conference dinner