

**Regional Training Course on Neuroimaging.  
(IAEA-RER-6.035)**

**Ljubljana (Slovenia), September 6th – 9th, 2016**

**PROGRAM**

**Tuesday, September 6th, 2016**

- 09.00–09.30 Welcome and presentation of participants
- 09.30–09.45 Presentation of the Training Course
- 09.45–10.15 Pre-course evaluation (multiple-choice test)
- 10.15–11.00 Burden of neurological diseases, such as brain tumours, neurodegenerative diseases and epilepsy in today's society

***11.00–11.15 Coffee break***

- 11.00–11.30 IAEA activities in Nuclear Medicine and Diagnostic Imaging (Dr. Rodolfo Nuñez)
- 11.30–12.00 Instrumentation of SPECT and PET
- 12.00–12.30 Brain anatomy and molecular imaging

***12.30–14.30 Lunch***

- 14.30–15.15 Radiopharmaceuticals in brain imaging: PET
- 15.15–16.00 Clinical diagnosis of Alzheimer's Disease
- 16.00–16.15 Questions/Comments
- 16.30 – 17.30 Welcome Reception

### **Wednesday, September 7th, 2016**

- 08.30–09.00 Radiopharmaceuticals in brain imaging: SPECT
- 09.00–09.40 Handling computer software, modelling, and image analysis
- 09.40–10.10 Seizures (Clinical aspects, including the role of Nuclear Medicine)

#### ***10.10–10.40 Coffee break***

- 10.40–11.20 Case presentation of Seizure disorder
- 11.20–11.40 Movement Disorders (Clinical aspects, including the role of Nuclear Medicine)

#### ***11.40–13.30 Lunch***

- 13.30–14.15 Case presentation of Parkinson disease and related disorder
- 14.15–15.30 SPECT and PET in stroke
- 15.30–16:15 Case presentation: Seizures
- 16.15–17:15 Tour of the Nuclear Medicine department

### **Thursday, September 8th, 2016**

- 09.00–09.40 Role of Nuclear Medicine in brain death imaging
- 09.40–10.20 Role of Nuclear Medicine in Brain Trauma
- 10.20–11.00 Case presentation of brain death or brain trauma

#### ***11.00–11.30 Coffee break***

- 11.30–12.10 SPECT and PET in Psychiatry

#### ***12.10–13.30 Lunch***

13.30–14.10 Brain Tumours (clinical aspects including the role of Nuclear Medicine)

14.10–14.50 PET and SPECT in Dementia (other than Alzheimer's disease)

14.50–15.30 Case Presentation/s: Brain Tumour

15.30–16.10 Case Presentation/s: Dementia

16.10–17.15 *Presentation/Review of interesting and challenging cases*

17.30 – Tour of the City

### **Friday, September 9th, 2016**

09.00–09.40 Parametric imaging analysis of brain images

09.40–10.30 Future applications of Nuclear Medicine brain imaging

10.30–11.00 Post course evaluation

11.00–11.45 Resolving MCQ, Certificate Presentation, and Closure of the Course

#### **VENUE:**

Department for Neurology, University Medical Centre Ljubljana

#### **LOCAL ORGANISERS:**

Assoc. Prof. Maja Trošt, MD, PhD

Department for Neurology & Department for Nuclear Medicine

University Medical Centre Ljubljana

E-mail: [maja.trost@kclj.si](mailto:maja.trost@kclj.si)

Ms. Laura Kristančič Dešman

Ministry of the environments and spatial planning

Slovenian Nuclear Safety Administration

E-mail: [laura.kristancic-desman@gov.si](mailto:laura.kristancic-desman@gov.si)