



# Erasmus Course MRI Central Nervous System II *Spinal and pediatric imaging*



## SEPTEMBER 1 - 5, 2019 HERAKLION CRETE GREECE PROGRAMME

### GENERAL INFORMATION

#### LOCAL ORGANIZER

Efrosini Papadaki  
Department of Radiology, University  
Hospital of Heraklion, Heraklion/GR

#### MODULE COORDINATORS

P.M. Parizel (Antwerp, BE)  
G. Pellicano (Florence, IT)

#### LANGUAGE

The course language is English

#### VENUE

Hotel Atlantis 5\*  
[www.theatlantishotel.gr](http://www.theatlantishotel.gr)  
Heraklion-Crete, Greece

#### CONTACT

Secretariat  
MIKA TRAVEL  
Phone: +30 2810 223356 Koroneou 23  
71202 Heraklion Crete  
e-mail: [congress@mikatravel.eu](mailto:congress@mikatravel.eu)

#### REGISTRATION FEE

Certified radiologists/specialists: 750€  
(850€ after June 30)  
Residents (certified by head of department):  
650€ (750€ after June 30)  
Includes:  
Lunches and coffee-breaks  
Welcome reception  
Social dinner  
Syllabus

### METHOD OF PAYMENT

By Bank transfer to the order of  
DIMITRA MYKONIATI – MIKA TRAVEL  
(please enclose a copy of the bank transfer.  
Please state your name and Congress title  
on the bank transfer)  
NATIONAL BANK OF GREECE  
IBAN: GR58 01102050000020500441561  
BIC: ETHNGRAA

### FACULTY

M. Argyropoulou, Greece  
P. Demaerel, Belgium  
N. Girard, France  
E. Kapsalaki, Greece  
A. Karantanas, Greece  
R. Lalam, UK  
M. Law, USA  
T. Maris, Greece  
E. Papadaki, Greece  
G. Papaioannou, Greece  
M. Papathanasiou, Greece  
G. Pellicano, Italy  
K. Perisinakis, Greece  
M. Raissaki, Greece  
M. Severino, Italy  
K. Spanakis, Greece  
P. Sundgren, Sweden  
T. Tali, Turkey  
M. Thurnher, Austria  
L. van den Hauwe, Belgium  
J. van Goethem, Belgium  
E. Vassalou, Greece  
M. Wattjes, Germany  
V. Xydis, Greece

## PROGRAMME

### SUNDAY

<b>08:00 - 08:45</b>	Registration
<b>08:45 - 09:00</b>	Welcome
<b>09:00 - 09:30</b>	Spine: normal MRI anatomy, variants and pitfalls
<b>09:30 - 10:00</b>	The craniovertebral junction
<b>10:00 - 10:30</b>	Epidural and primary bone tumors
<b>10:30 - 10:45</b>	Discussion
<b>10:45 - 11:15</b>	Coffee break
<b>11:15 - 11:45</b>	Intradural-extramedullary tumors
<b>11:45 - 12:15</b>	Intradural-intramedullary tumors
<b>12:15 - 12:45</b>	Differential diagnosis of myelopathy
<b>12:45 - 13:00</b>	Discussion
<b>13:00 - 14:00</b>	Lunch
<b>14:00 - 14:30</b>	Posterior fossa tumors in adults
<b>14:00 - 14:45</b>	Discussion
<b>14:45 - 15:15</b>	Coffee break
<b>15:15 - 17:30</b>	<i>Workshops (45 minutes each)</i> Epidural and primary bone tumors Intradural tumors Differential diagnosis of myelopathy
<b>18:45</b>	Welcome reception

### MONDAY

<b>09:00 - 09:30</b>	MRI in finding the pain generator
<b>09:30 - 10:00</b>	Spinal trauma
<b>10:00 - 10:30</b>	Postoperative spine
<b>10:30 - 10:45</b>	Discussion
<b>10:45 - 11:15</b>	Coffee break
<b>11:15 - 11:45</b>	Degenerative disc disease
<b>11:45 - 12:15</b>	Inflammatory and infectious diseases of the spine
<b>12:15 - 12:45</b>	Spinal bone marrow diseases
<b>12:45 - 13:00</b>	Discussion
<b>13:00 - 14:00</b>	Lunch
<b>14:00 - 14:30</b>	Peripheral nerve imaging
<b>14:30 - 15:00</b>	Dual energy and spectral CT: application in the spine
<b>15:00 - 15:15</b>	Discussion
<b>15:15 - 15:45</b>	Coffee break
<b>15:45 - 18:00</b>	<i>Workshops (45 minutes each)</i> Degenerative disc disease Spinal trauma Inflammatory and infectious diseases of the spine

### TUESDAY

<b>09:00 - 09:30</b>	Advanced imaging of the spinal cord
<b>09:30 - 10:00</b>	Spinal imaging in spontaneous intracranial hypotension

### Teacher

E. Papadaki  
K. Spanakis  
G. Pellicano  
J. van Goethem

G. Pellicano  
L. van den Hauwe  
M. Thurnher

L. van den Hauwe

J. van Goethem  
G. Pellicano  
M. Thurnher

### Teacher

J. van Goethem  
R. Lalam  
A. Karantanas

A. Karantanas  
T. Tali  
M. Thurnher

E. Vassalou  
K. Perisinakis

A. Karantanas  
R. Lalam  
T. Tali

### Teacher

M. Law  
E. Papadaki

**10:00 - 10:30**

**10:30 - 10:45**

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### WEDNESDAY

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### THURSDAY

**09:00 - 09:30**

**09:30 - 10:00**

**10:00 - 10:30**

**10:30 - 10:45**

**10:45 - 11:15**

**11:15 - 13:00**

Congenital malformations of the spine

Discussion

Coffee break

Fetal brain MRI

Pediatric brain MR strategies and techniques

Normal brain development and myelination

Discussion

Lunch

Hypoxia-ischemia of the neonatal brain

Congenital malformations of the brain

Discussion

Coffee break

*Workshops (45 minutes each)*

Congenital malformation of the spine

Hypoxia-ischemia of the neonatal brain

Congenital malformations of the brain

Metabolic diseases of the brain

Pediatric brain inflammatory and infectious diseases

Pediatric brain tumors

Discussion

Coffee break

Application of advanced MRI techniques to pediatric brain tumors

Brain and spinal imaging in pediatric trauma

Accidental and non-accidental brain trauma: differential diagnosis

Discussion

Lunch

Pediatric brain MRI: let's go advanced

Quantifying myelin and iron in pediatric brain

Discussion

Coffee break

*Workshops (45 minutes each)*

Pediatric brain inflammatory and infectious diseases

Brain and spinal imaging in pediatric trauma

Pediatric brain tumors

Pediatric demyelinating diseases

Seizures in children

Neurocutaneous syndromes

Discussion

Coffee break

Examinations

M. Severino

G. Papaioannou  
V. Xydis  
N. Girard

M. Argyropoulou  
N. Girard

M. Severino  
M. Argyropoulou  
N. Girard

### Teacher

M. Severino  
P. Sundgren  
E. Kapsalaki

M. Law

P. Demaerel  
M. Raissaki

M. Argyropoulou  
T. Maris

P. Sundgren  
P. Demaerel  
M. Law

### Teacher

M. Wattjes  
P. Sundgren  
M. Papatthanasiou