Project "Development of neuroimaging research and clinical skills in Lithuania" Grant agreement No. CH-3-ŠMM-02/02 (19/11/2015)

"Neuroimaging and fMRI data analysis - clinical and research applications", 30 hours course for radiologists, neurologists, neurosurgeons, biomedical engineers, technical science specialists, physicists, neurobiologists, statisticians

05-09/09/2016

PROGRAM

5/09/2016 National Cancer Institute (NCI), Santariškių 1, Vilnius

No	Time	Topic	Lecturer	Remarks
1	8.00 -9.00	Registration		
2	9.00 - 9.10	Introduction		
3	9.10-10.10	Multivariate pattern recognition for diagnosis and prognosis in clinical neuroimaging: state of the art, current challenges and future trends	Sven Haller	
4	10.10 -11.10	MRI research in the clinical setting	Bogdan Draganski	
5	11.10 -11.30	coffee break		
6	11.30 -12.30	fMRI physics	Michael Mouton	
7	12.30 -13.30	fMRI and resting state fMRI: pitfalls	Sven Haller	
8	13.30 -14.30	Lunch		
9	14.30 -15.30	Neurooncology: brain tumors response assessment usin MRI	Sven Haller	
10	15.30-16.00	coffee break		
11	16.00 -17.00	Brain tumor cases: workshop	Sven Haller	

06/09/2016, National Cancer Institute (NCI), Santariškių 1, Vilnius

No	Time	Topic	Lecturer	Remarks
1	09:00-10:00	Real-time fMRI neurofeedback and fMRI in chronic pain/back pain	Sven Haller	
2	10:00-11:00	Neuroimaging of dementia, MS, vascular diseases of the white matter: what radiologists need to know	Sven Haller	
3	11:00-11:20	coffee break		

4	11:20-12:00	Dementia cases: workshop	Sven Haller	
5	12:00-13:00	Impact of brain aging and neurodegeneration on cognition: evidence from MRI	Bogdan Draganski	
6	13:00-14:00	Lunch		
7	14:00-16.00	Voxel lesion symptom mapping: why, how and were?	Aurelie Manuel Stocker	
8	16.00-16.30	coffee break		
9	16.30-17.00	Orbitofrontal function, plasticity and connectivity in procedural memory. Aurelie Manuel Stocker	Aurelie Manuel Stocker	

07/09/20 Vilnius Gediminas Technical University (VGTU) Pylimo g. 26/1, Vilnius

No	Time	Topic	Lecturer	Remarks
1	10:00-11:00	sMRI – data handling in the SPM framework	Bogdan Draganski	Moderator: Girūta Kazakevičiūtė - Januškevičienė
1	11:00-12:00	fMRI – data handling in the SPM framework	Michael Mouton	Moderator: Girūta Kazakevičiūtė - Januškevičienė
2	12:00-13:00	Lunch		
3	13:00-14:00	sMRI data – statistical analysis	Bogdan Draganski	Moderator: Girūta Kazakevičiūtė - Januškevičienė
3	14:00-15:00	sMRI data interpretation – T1w vs. quantitative MRI	Antoine Lutti	Moderator: Girūta Kazakevičiūtė - Januškevičienė
4	15:00-15:30	Coffee break		
5	15:30-16:15	fMRI data – experimental design	Ferath Kherif	Moderator: Girūta Kazakevičiūtė - Januškevičienė
5	16:30-17:30	fMRI data – statistical analysis	Ferath Kherif	Moderator: Girūta Kazakevičiūtė - Januškevičienė

08/09/2016, Vilnius Gediminas Technical University (VGTU) Pylimo g. 26/1, Vilnius

No	Time	Topic	Lecturer	Remarks

1	09:00-10:00	MRI data analysis in the SPM framework: wrap-up	Bogdan Draganski	Moderator: Girūta Kazakevičiūtė - Januškevičienė
3	10:00-10:30	Coffee break		
5	10:30-12:30	Workshop analysis - sMRI & fMRI	Bogdan Draganski, Antoine Lutti, Ferath Kherif, Michael Mouthon	Moderator: Girūta Kazakevičiūtė - Januškevičienė
6	12:30-13:30	Lunch		
7	13:30-17:00	Workshop -analysis- sMRI & fMRI	Bogdan Draganski, Antoine Lutti, Ferath Kherif, Michael Mouthon	Moderator: Girūta Kazakevičiūtė - Januškevičienė
8	18.00-21.00	Gala dinner		

09/09/2016, 06/09/2016, National Cancer Institute (NCI), Santariškių 1, Vilnius

No	Time	Topic	Lecturer	Remarks
1	10:00-10:30	Temporal cognition in brain damaged patients	Rūta Vyšniauskė	
2	10:30-10:45	Report on fMRI data analysis	Sigita Venclovė	
3	10:45-11:00	Voxel based analysis on MRI images in brain lesions	Andrius Usinskas	
4	11:00-11:15	Role of MRI physicist in fMRI	Mažena Maciusovič	
5	11:15-11:30	fMRI with eye tracking system in a single case study aphasic patient	Jurgita Ušinskienė	
6	11:30-12:00	Closing remarks		

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