



Centrul Național Clinic de Recuperare  
Neuropsihomotorie Copii  
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***CONFERENCE***

***5<sup>th</sup> ACADEMIC SESSION***

***“MULTIDISCIPLINARY APPROACH IN  
NEUROPSYCHOMOTOR REHABILITATION”***

***September 29<sup>th</sup> – October 1<sup>st</sup>, 2021***

***Bucharest***

## September 29<sup>th</sup>, 2021, Wednesday

### *Pre-Conference Parental access The child with disabilities*

13.00 – 13.10	Official opening speech	Assoc. Prof. Liliana Pădure, Manager of “Dr. Nicolae Robănescu” NTCNRC
13.10 – 13.40	Positioning disabled child	Assoc. Prof. Liliana Pădure
13.40 – 14.40	Principles of physical therapy in children with disabilities	Lecturer PT Mihail Dumangiu Assoc. Prof. Liliana Pădure
14.40 – 14.55	Services of pediatric rehabilitation in our center	MD Mihaela Bejan, Assoc. Prof. Liliana Pădure
14.55 – 15.10	Coffee/Tea Break	
15.10 – 15.25	Hospital school	OT Georgeta Petre, MD Cristian Adam, Assoc. Prof. Liliana Pădure
15.25 – 15.55	Genetic testing and counseling	MD Mădălina Leanca, Assoc. Prof. Liliana Pădure
<i>Counseling and quality of life</i>		
15.55 – 16.15	Findings regarding emotional regulation strategies and QoL's domains in families having children with SMA	Psych. Maria Veronica Morcov, Assoc. Prof. Liliana Pădure MD Cristian Gabriel Morcov, Prof. Gelu Onose
16.15 – 16.30	Aspects of everyday life in spinal muscular atrophy	Psych. Laura Fierbințeanu, Lecturer Andrada Mirea
16.30 – 16.45	Q&A	

## September 30<sup>th</sup>, 2021, Thursday

### *The Conference's first day*

09.30 – 11.20	Opening speech – Special guest Current synthetic data regarding main assessment and rehabilitative approaches in spine/cord meningiomas	Prof. Gelu Onose, Lecturer Cristina Daia, PT Corina Sporea
<b><i>Session 1 - Acute and subacute neurological diseases (traumatic brain injury, spinal cord injury, acute encephalitis, Guillain Barre syndrome)</i></b>		
11.20 – 11.40	The multidisciplinary approach in the neurorehabilitation process of children with severe TBI in „Dr. Nicolae Robanescu” National Neurorehabilitation Center for Children	MD Mihaela Axente, Assoc. Prof. Liliana Pădure
11.40 – 12.00	Coffee/Tea Break	
12.00 – 12.20	Spinal cord injury rehabilitation for children	MD Adrian Oprea, Assoc. Prof. Liliana Pădure
12.20 – 12.40	Functional Proprioceptive Stimulation rehabilitation in spinal injuries	MD Andra Pintilie, Assoc. Prof. Liliana Pădure
12.40 – 13.00	Evolution and prognosis in acute brain and myeloradicular injuries	MD Mihaela Axente, Assoc. Prof. Liliana Pădure
13.00 – 13.20	Post-Acute Care in the Intensive Therapy Department	MD Florin Grigoraș, Assoc. Prof. Liliana Pădure
<b><i>Session 2 – Robotic technology in rehabilitation of children with disabilities</i></b>		
13.20 – 13.40	Developing innovative technologies for children with disabilities and professionals around them	Dr. Johanne Mensah (France), Dr. Christelle Pons (France), Prof. Univ. Dr. Sylvain Brochard (France)
13.40 – 14.00	The variability of 3D kinematics and electromyography measurements of newly-acquired gait in toddlers	MD Anca Grigoriu, Prof. Sylvain Brochard - France, Ing. Morgan Sangeux - Australia, Assoc. Prof. Dr. Liliana Pădure Ing. Mathieu Lempereur - France
14.00 – 14.45	Lunch Break	
14.45 – 15.05	Modern ways of treatment and training recovery of balance disorders in children	PT Mihai Avram, Assoc. Prof. Liliana Pădure Prof. Gelu Onose
15.05 – 15.25	Rehabilitation of gait disorders using Lokomat and G-EO	Assoc. Prof. Liliana Pădure
15.25 – 16.25	Bioness L300Go – How do we get the functional using Functional Electrical Stimulation?	PT Silvia Iacob

16.25 – 16.55	Indego Therapy Integrating into Rehabilitation	PT Jennifer A. Mondello (USA)
16.55 – 17.10	Coffee/Tea Break	
<b><i>Session 3 – Psychiatric comorbidities in epileptic disorders</i></b>		
17.10 – 17.30	Epileptic encephalopathy from etiology to comorbidities	MD Mădălina Leanca, Assoc. Prof. Liliana Pădure
17.30 – 17.50	Management of behavioral disorders in epileptic encephalopathies	MD Cristian Adam, Assoc. Prof. Liliana Pădure
17.50 – 18.05	Complex psychological evaluation of patients with neuropsychiatric manifestations	Psych. Laura Fierbințeanu, MD Mădălina Leanca, MD Cristian Adam, Assoc. Prof. Liliana Pădure
18.05 – 18.25	Current medical practices in a multidisciplinary team: neurologist, psychiatrist and psychologist	MD Mădălina Leanca, MD Cristian Adam, Psych. Laura Fierbințeanu, Assoc. Prof. Liliana Pădure
18.25 – 18.40	Q&A	

**October 1<sup>st</sup>, 2021, Friday**

*The last day of the Conference*

***Session 4 – Spinal muscular atrophy in the current context of therapeutic innovation***

09.30 – 09.50	The role of early treatment in spinal muscular atrophy	Lecturer Andrada Mirea
09.50 – 10.10	CMAP as biomarker for treatment evaluation in spinal muscular atrophy	MD Mihaela Axente, Assoc. Prof. Liliana Pădure
10.10 – 10.30	Neurofilaments - Marker of neuronal damage and degradation in SMA	MD Mihaela Bădina, Assoc. Prof. Liliana Pădure
10.30 – 10.50	Effects of physical therapy in children with SMA treated with Nusinersen	MD Mădălina Leanca, Assoc. Prof. Liliana Pădure
10.50 – 11.10	Respiratory management in spinal muscular atrophy	Lecturer Andrada Mirea, MD Florin Grigoraș
11.10 – 11.30	Orthopedic approach in spinal muscular atrophy	MD Ileana Georgescu, MD Mihaela Axente, MD Mădălina Leanca, Lecturer Andrada Mirea, Assoc. Prof. Liliana Pădure
11.30 – 11.45	Coffee/Tea Break	

### Session 5 – Orthopedic aspects in pediatric rehabilitation

11.45 – 12.05	The importance of multifactorial gait analysis in the orthopedic approach of children with cerebral palsy	MD Anca Grigoriu, Assoc. Prof. Liliana Pădure
12.05 – 12.25	Treatment of spastic hip in cerebral palsy	MD Adrian Oprea, Assoc. Prof. Liliana Pădure
12.25 – 12.45	The Surgical Treatment in Idiopathic Scoliosis	Lecturer Traian Ștefan Gavriliu, MD Ecaterina Maria Sora, MD Șerban Andrei Hamei, TA MD Raluca Alexandra Ghiță, MD Cosmin Simion
12.45 – 13.05	Rebalancing the extensor mechanism of the knee in ambulatory cerebral palsy patient	MD Costel Vlad, MD Laura Popa, MD Camelia Vreme, MD Ștefana Carp, MD Eduard Liciu
13.05 – 13.25	The role of rasteriography in vertebral static disorders secondary inequality of lower limbs	MD Mihaela Bejan, Assoc. Prof. Liliana Pădure
13.25 – 13.45	Monitoring the evolution of scoliosis in children and adolescents with the help of the plantogram	TA PT PhD Constantin Florin Drăgan, Assoc. Prof. Liliana Pădure Prof. Gelu Onose
13.45 – 14.30	Lunch Break	

### Session 6 – VARIA

14.30 – 14.50	Newborn rehabilitation principles	Lecturer Andrada Mirea
14.50 – 15.10	Personalized therapies in cystic fibrosis	MD Researcher Elena-Silvia Shelby, Assoc. Prof. Liliana Pădure
15.10 – 15.30	fNIRS in cerebral palsy	RA Corina Sporea, Assoc. Prof. Liliana Pădure
15.30 – 15.50	Principles of rehabilitation in pediatric cardiac disorders	MD Adrian Oprea, Assoc. Prof. Liliana Pădure
15.50 – 16.20	Osteoporosis in children	MD Andra Ivona Gheorghe Fronea, Assoc. Prof. Liliana Pădure
16.20 – 16.35	Conclusions & Discussions	