

# Raluca Maria Costea

**Nationality:** Romanian

**Date of birth:** 15/03/1981

**Gender:** Female

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📍 **Address:** Pediatric Clinical Hospital Sibiu, Pompeiu Onofreiu Street no 2-4, 550166 Sibiu (Romania)

## WORK EXPERIENCE

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### **Researcher and Pediatric Neurology Specialist**

*Research and Telemedicine Center in Neurological Diseases in Children- Pediatric Clinical Hospital [ 05/2013 – Current]*

**City:** Sibiu

**Country:** Romania

### **Assistant professor- Pediatric Neurology for a determined period October-January 2013-2016**

*"Lucian Blaga " University, Faculty of Medicine*

**City:** Sibiu

**Country:** Romania

Teaching and coordination of clinical internships for students and Pediatrics Trainees

### **Certificate of Complementary Studies in Electroencephalography in Children and Adults issued by the Romanian Ministry of Health [ 10/2013]**

**Country:** Romania

### **Certificate in Neurological Diagnosis - Vojta method**

*„Dr. Gheorghe Preda” Psychiatry Hospital [ 10/2013]*

**City:** Sibiu

**Country:** Romania

### **Clinical Homeopathy and Medical Ethics Course in order to obtain the certificate of complementary studies**

*University of Medicine and Pharmacy „Grigore T. Popa” Iasi [ 10/2018 – 07/2020]*

**City:** Cluj Napoca

**Country:** Romania

### **Subinvestigator SP0967/EP0034**

*UCB Pharma- Pediatric Clinical Hospital [ 05/2015 – Current]*

**City:** Sibiu

**Country:** Romania

A multicenter, double-blind, randomized, placebo-controlled, parallel- group study

To investigate the efficacy and safety of Lacosamide as adjunctive therapy in subjects with epilepsy  $\geq 1$  month to  $<4$  years of age with epilepsy with partial onset seizures

## **Research Activity P-09: Phenotype-genotype correlations in rare epilepsy syndromes in Romania- EuroEPINOMICS –RES**

*"Prof. Dr Alexandru Obregia " Psychiatry Hospital [ 2011 – 2012]*

City: Bucharest

Country: Romania

## **Subinvestigator. Project Preschool Children with Diabetes.**

*Pediatric Clinical Hospital [ 2010]*

City: Sibiu

Country: Romania

## **EDUCATION AND TRAINING**

### **Pediatric Neurology Specialist Diploma**

*Issued by the Romanian Ministry of Health [ 11/2012]*

### **Pediatric Neurology Trainee**

*Pediatric Neurology Clinic-Clinical Hospital of Psychiatry "Prof. Dr. Al. Obregia [ 2007 – 2012]*

Address: Bucharest (Romania)

### **Diploma of Medical Practitioner (Physician)**

*"Victor Papilian" Faculty of Medicine, "Lucian Blaga" University [ 2000 – 2006]*

### **High School Diploma**

*German National College "Samuel von Brukenthal" Sibiu I.T. Class [ 1996 – 2000]*

## **LANGUAGE SKILLS**

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Mother tongue(s):

**Romanian**

Other language(s):

**German - Deutsches Sprachdiplom C1**

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

**English**

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1

## **DIGITAL SKILLS**

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Certified Assistant Programmer Analyst 2000 / Good use of communication programs (mail messenger skype) / Microsoft Office (Excel PowerPoint Word) - intermediary level / Rapid Miner Studio Basics Course, October 2015

## **MEMBERSHIP**

Member of The Romanian Pediatric Neurology Society (SRNP), European Pediatric Neurology Society (EPNS), Romanian Society Against Epilepsy (SRIE), Youth International League Against Epilepsy and of the Romanian Society of Medical Genetics(SRGM)

## **DRIVING LICENCE: B**

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## **ORGANISATIONAL SKILLS**

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Organizing Committee Member of the National Conference with international participation, The Biennale Sibiu-Chisinau" 2017-2019 and of the Romanian Society of Pediatric Neurology Conference Bucharest 2015

## **VOLUNTEERING**

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Mobile Emergency, Resuscitation and Extrication Service Volunteer [ Sibiu, 2002]

## **PUBLICATIONS**

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Costea, R.M.; Maniu, I.; Dobrota, L.; Pérez-Elvira, R.; Agudo, M.; Oltra-Cucarella, J.; Dragomir, A.; Bacilă, C.; Banciu, A.; Banciu, D.D.; Cipăian, C.R.; Crișan, R.; Neamtu, B. Exploring Inflammatory Status in Febrile Seizures Associated with Urinary Tract Infections: A Two-Step Cluster Approach. *Brain Sci.* 2021, *11*, 1168. <https://doi.org/10.3390/brainsci11091168>

[2021]

Maniu, I.; Costea, R.; Maniu, G.; Neamtu, B.M. Inflammatory Biomarkers in Febrile Seizure: A Comprehensive Bibliometric, Review and Visualization Analysis. *Brain Sci.* 2021, *11*, 1077

[2021]

Pérez-Elvira, R.; Oltra-Cucarella, J.; Carrobles, J.A.; Moltó, J.; Flórez, M.; Parra, S.; Agudo, M.; Saez, C.; Guarino, S.; Costea, R.M.; Neamtu, B. Enhancing the Effects of Neurofeedback Training: The Motivational Value of the Reinforcers. *Brain Sci.* 2021, *11*, 457.

[2021]

Maniu, I.; Costea, R.M.; Dobrota, L.; Bacila, C.; Neamtu, B.M. Exploring Inflammatory Status in Febrile Seizures Associated with Urinary Tract Infections: A Two-Step Cluster Approach. *Proceedings 2021*, *71*, 3

[2021]

Maniu, I.; Costea, R.M.; Maniu, G.; Neamtu, B.M. Inflammatory Biomarkers in Febrile Seizure: A Comprehensive Bibliometric, Review and Visualization Analysis. *Proceedings 2021*, *71*, 1

[2021]

Costea RM, Maniu I, Dobrota L, Neamtu B. Stress Hyperglycemia as Predictive Factor of Recurrence in Children with Febrile Seizures. *Brain Sciences.* 2020; *10*(3):131. <https://doi.org/10.3390/brainsci10030131>

[2020]

Maniu I, Costea RM, Neamtu BM, "Cut-off Values for Biomarkers. A Review of Statistical Methods and an Application Study on the Association Between UTI and CRP in Febrile Seizure," 2020 International Conference on e-Health and Bioengineering (EHB), 2020, pp. 1-4

[2020]

Costea RM, Maniu I, Neamtu BM, Glycemic Status in Febrile Seizures, *Acta Medica Transilvanica* December;24(4):58-61 DOI: 10.2478/amtsb-2019-0018 Online ISSN 2285-7079

[2019]

Costea RM, Maniu I, Dragomir A, Banciu D.D, Neamtu BM, "Cluster Analysis a Profiling Tool in Children with Febrile Seizures," 2019 E-Health and Bioengineering Conference (EHB), 2019, pp. 1-4, doi: 10.1109/EHB47216.2019.8969915.

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[2019]

**Barbu A., Maniu I, Costea R.M, Hadjiu S, Eremciuc R, Neamtu B. Overcoming Multidrug Resistant Bacteria. A short Review of Phage Therapy Principles. International Conference, "The Biennale Sibiu – Chisinau" 3rd Edition-October 2019- Acta Medica Transilvanica Supplement 2019, pg 38-40**

[2019]

**Maniu I, Maniu G, Visa GA, Costea RM, Neamtu BM, Frequent Pattern Mining of Risk Factors Predicting Neonatal Seizures Outcomes. Brain – Broad Research in Artificial Intelligence and Neuroscience Volume 9, Issue 4 (November, 2018), ISSN 2067-3957**

[2018]

**Costea RM., Neamtu B., Post Pediatric Ischemic Stroke Epilepsy- Incidence and Predictive Factors”, International Conference, "The Biennale Sibiu – Chisinau" 2nd Edition, Sibiu, September 2018- AMT, vol 23, no3, 2018, pg 35-37**

[2018]

**Costea RM, Neamtu B. Perinatal stroke – literature review and case presentation. International Conference, "The Biennale Sibiu – Chisinau" 2nd Edition, Chisinau, May 2018- Buletin de Perinatologie Nr. 1(77) / 2018 / ISSN 1810-5289**

[2018]

**Neamtu B, Costea RM, Maniu I, Hadjiu S, Barbu A. Risk Factors for Arterial Ischemic Stroke Recurrence in Children- Review. International Conference, "The Biennale Sibiu – Chisinau" 2nd Edition, Sibiu, September 2018-Acta Medica Transilvanica Supplement, vol 23, no3, 2018, pg 28-29**

[2018]

**Sprincean M, Costea RM, Revenco N, Hadjiu S. Some Aspects of Neuroregeneration after Perinatal Arterial Ischemic Stroke: Neurotrophic factors and Mesenchymal Stem Cells. International Conference, "The Biennale Sibiu – Chisinau" 2nd Edition, Sibiu, September 2018- Acta Medica Transilvanica Supplement, vol 23, no3, 2018, pg 22-24**

[2018]

**Neamtu B, Costea RM, Berghea Neamtu C. Neuromodulation by Non-Invasive Transcranial Magnetic Stimulations in Children with Perinatal Stroke and Hemiparesis. International Conference, "The Biennale Sibiu – Chisinau" 2nd Edition, Chisinau, May 2018- Acta Medica Transilvanica Supplement, vol 23, no 3, 2018, pg 17-21**

[2018]

**Neamtu B. , Costea R.M., Ischemic Stroke in Children. Controversies, Discordances, Current trends. International Conference, "The Biennale Sibiu – Chisinau, 2nd Edition Chisinau, May 2018 - Buletin de Perinatologie Nr. 1(77) / 2018 / ISSN 1810-5289**

[2018]

**Costea R.M, Neamtu B., Tetany or Diagnostic Pitfall, National Conference with International Participation, "The Biennale Sibiu – Chisinau" 1st Edition, Sibiu, September 2017 -Acta Medica Transilvanica Supplement, vol 22, no3, 2017, pg 22-24**

[2017]

**Costea RM, Neamtu ML; Neamtu MB. Antioxidanții (Resveratrolul) - posibile terapii adjuvante în profilaxia recurenței convulsiilor febrile. Buletin de Perinatologie. 2017, nr. 1(73), pp. 54-59. ISSN 1810-5289**

[2017]

**Costea RM, Neamtu MB, Maniu GC, Pathological EEG Pattern, Predictive Factor for Recurrence or Epilepsy in Febrile Seizures? Acta Medica Transilvanica, Volume 21, no 4, Dec 2016, pages 22-26**

[2016]

**Costea RM, Neamtu ML, Neamtu MB, The Opportunity of the Electroencephalography in the**

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**Diagnostic Approach of Febrile Seizures, Acta Medica Transilvanica, Volume 21, no 3, Sept 2016, pages 50-53**

[2016]

**Costea RM, Neamtu ML. Iron Deficiency -Potential Risk Factor for Febrile Seizures. Nutrition: Nutrition and Health Outcomes N-P-071Journal of Pediatric Gastroenterology and Nutrition. 62:1-890, May 2016.**

[2016]

**Neamtu MB, Costea RM, The Laboratory and Neuroimaging Investigations in the Diagnostic Approach of Febrile Seizures, Acta Medica Transilvanica, Volume 21, no 3, Sept 2016, pages 79-83**

[2016]

**Costea RM, Visa G, Maniu G, Neamtu B. Particular Features of Neonatal Seizures Population Study. World Journal of Research and Review (WJRR) ISSN:2455-3956, Volume-3, Issue-6, Pg 45-50 Dec 2016**

[2016]

**Costea RM, Pereanu M, Geleriu S., Steinert Myotonic Dystrophy -Considerations on a Clinical Case, Acta Medica Transilvanica, June 2010; 2(2)77-782010**

[2010]

## **SCIENTIFIC COMMUNICATIONS**

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**Perez ER, Neamtu MB, Costea RM, Neurofeedback methods efficiency in different pediatric conditions. 4th Eastern European Conference of Mental Health "In and Out of Your Mind"**

[ 11/2020 – 22/11/2020]

**Maniu I, Costea RM, Bacila C, Neamtu B. Exploring Inflammatory Status in Febrile Seizures Associated with Urinary Tract Infections: A Two-Step Cluster Approach", 1st International Electronic Conference on Brain Sciences [ 10–25/11/2020]**

**Maniu I, Costea RM, Maniu G, Neamtu B. Inflammatory Biomarkers in Febrile Seizure: A Comprehensive Bibliometric, Review and Visualization Analysis, 1st International Conference on Brain Sciences [ 10-25/11/2020]**

**Maniu I, Costea RM, Neamtu B. Cut-off Values for Biomarkers: Review of Methods and Application- Association between UTI and CRP in Febrile seizures", The 8th IEEE International Conference on E-Health and Bioengineering-EHB 2020,, Iasi, Romania [ 29-30/10/2020]**

**Costea RM, Maniu I, Dragomir A, Banciu D, Neamtu B. Cluster Analysis a Profiling Tool in Children with Febrile Seizures", The 7th IEEE International Conference on E-Health and Bioengineering-EHB 2019, Iasi [ 21- 23/10/2019]**

**Costea RM, Maniu I. Biomarkers and Genetic Risk Factors in Febrile Seizures in Children. International Conference, "The Biennale Sibiu- Chisinau" 3rd Edition. Sibiu [ 03-06/10/2019]**

**Costea RM. Acute Transverse Myelitis- Diagnostic and Therapeutic Approach. Synevo Symposium [ 05/2019]**

**Dospinescu C, Sofariu C, Visa G, Costea RM, Neamtu. Concentric Balo Multiple Sclerosis. SRIM National Congress, Sinaia [ 03-05/10/2019 ]**

**Costea RM, Neamtu ML, Maniu I, The Value of EEG in the Diagnostic Approach of Febrile Seizures", International Conference, "The Biennale Sibiu – Chisinau" 3rd Edition, Chisinau [ 16-18/05/2019 ]**

**Costea RM. Pediatric Ischemic Stroke with Particular Clinical Picture. International Conference, "The**

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**Biennale Sibiu – Chisinau, 2nd Edition Chisinau [ 04-06/05/2018]**

**Visa G, Costea RM. Structural Etiologies of Epilepsy in Neonates. XXVI SRIE Conference, UMF Iuliu Hatieganu, Cluj-Napoca [ 04-06/10/2018]**

**Costea RM. Neuro-endocrine Influences and Interactions of Intestinal Microbiota on the Child's Behavior" National Conference with International Participation "The Biennale Sibiu –Chisinau" 1st Edition, Sibiu [ 06-07/09/2017]**

**Costea RM. Clinical and Paraclinical Risk Factors for the Recurrence of Febrile Seizures", International Conference, "The Biennale Sibiu- Chisinau" 1st Edition, Chisinau [07-08/04/2017]**

**Costea RM, Neamtu ML. Iron Deficiency -Potential Risk Factor for Febrile Seizures. 49<sup>th</sup> ESPGHAN Annual Meeting. Athens- Journal of Pediatric Gastroenterology and Nutrition Vol.62, Supplement 1, May 2016**

**Costea RM., Neamtu ML, Neamtu B, Febrile seizures- EEG study and risk factors for recurrence and for epilepsy, 6th Congress of the European Academy of Paediatric Societies, Geneva, October 21-25, 2016- Eur J Pediatrics, October 2016**

**Costea RM. Diagnostic Approach in a Case with Myotonia, Neuromuscular Disease Workshop, Bucharest [ 05/2016]**

**Craiu D, Bârcă D, Costea RM, Vințan M., Febrile seizures. The 2nd Romanian Pediatric Neurology Conference with International participation, Bucharest, Romania [ 05-07/11/2015]**

**Craiu D, Bârcă D, Costea RM, Vințan M., Dravet Syndrome. The 2nd Romanian Pediatric Neurology Conference with International participation, Bucharest, Romania [ 05-07/11/2015]**

**Visa G, Costea RM. Diagnostic and Therapeutic Approaches in Syndromes with Deficiency of Serine", The 2nd SRNP with International participation, Bucharest [ 05-07/11/2015]**

**Visa G, Costea RM. Autoimmune diseases of the nervous system, SNPCAR Congress, Sinaia [ 17- 20/09/2014]**

**Visa G, Costea RM. Transverse myelitis, case presentation, The First National Conference of Romanian Pediatric Neurology Society, Bucharest [ 22- 23/11/2013]**

**Visa G, Costea RM, Semiological characters in encephalomyelitis – reference to clinical cases, The First National Conference of Romanian Pediatric Neurology Society, Bucharest [ 22-23/11/2013]**

**Costea RM, Iliescu C, Case presentations: Hemichoreic Onset of Childhood Stroke/ Optic neuritis/ Juvenile MS- EPNS Course Sarajevo [ 07-10/05/2012]**

**Costea RM, Iliescu C. Case presentations. EPNS Course- Perinatal Neurology, Cheile Gradistei [ 06/2011]**

Limb Girdle Muscle Dystrophy (Calpainopathy) Diagnosis Difficulties

Becker Muscle Dystrophy Management

Pyridoxine Dependent Seizures- Diagnosis Difficulties/

Neonatal Encephalopathy with Burst Suppression EEG and Myoclonic Seizures – Honketotic Hyperglycinemia

Venous Sinus Thrombosis as Cause for Neonatal Seizures

**Costea RM. News in DOTS Treatment "Student Scientific Conference, Sibiu [ 2004]**

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## POSTER SESSION

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**Costea RM, Maniu I. Blood glucose level - possible clue to febrile seizure duration. The XXVII National Conference of the Romanian Society Against Epilepsy, Bucharest, November**

[ 2019]

**Costea RM, Neamtu ML, Neamtu B. The Need for Additional Therapies in the Prevention of Recurrence of Febrile Seizures, National Congress of Gastroenterology and Pediatric Hepatology National Congress of Social Pediatrics. Cluj-Napoca, September**

[ 2016]

**Costea RM, Raceala-Motoc SM. Therapeutic difficulties in DMD associates with diabetes mellitus. The 16th SNPCAR Congress and 38th National Conference of Neurology-Psychiatry and Associated Professions in Children and Adolescents, Sibiu, September**

[ 2015]

**D Craiu, M Budisteanu, A Dica, D Barca, C Iliescu, C Motoescu, R Costea et al. Clinical and genetic aspects in children with Dravet syndrome: romanian experience of 3 years of research. ID poster 953, 2013/6, Epilepsia, vol 54**

[ 2013]

**Raceala-Motoc SM, Raceala-Motoc RM. Role of the ABCC8 Gene Mutation in the Etiology and Treatment of Neonatal Diabetes. National Congress of Diabetes, Bucharest, Romania,**

[ 2007]

**Raceala-Motoc MS, Raceala-Motoc RM. Metabolic Imbalance in a case of Diabetes Mellitus and Celiac Disease", The Seventh National Congress of Pediatrics, Galati**

[ 2005]

**Raceala-Motoc MS, Raceala-Motoc RM., Lowe Syndrome, National Symposium Genetics, Cluj**

[ 2004]

**Raceala-Motoc MS, Raceala-Motoc RM. Glycated Hemoglobin Parameter Tracking Metabolic Balance in Children with Type I Diabetes Mellitus, Pediatrics National Congress**

[ 1998]

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## CONFERENCES AND SEMINARS

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Second International Conference on Imaging in Neuromuscular Disease, Berlin, November 2019

Symposium „Means of Caring for Children with Neurological Deficiencies”, „Dr Nicolae Robanescu” National Clinical Center for Neuropsychomotor Recovery in Children, Bucharest, May 2019

The V International Congress in Medical Genetics, Gura Humorului, September 2018

Precongress Course, „Evocative Signs in Clinical Genetics”, Gura Humorului, September 2018

Third SRNP Conference with international participation, Bucharest, October 2017

The 3rd Conference of Pediatric Somnology, Bucharest, June 2016

11th European Pediatric Neurology Society Congress, Vienna, May 2015

Pharmacoresistant Epilepsy Conference, Bucharest, April 2015

Workshop Neuromuscular Diseases, Bucharest, February 2015

The V Congress of Society of Neurology and Psychiatry in Children and Youth in Romania, Sinaia, Romania, September 2014

Symposium on Neuromuscular Diseases, Prof. Alexandru Obregia Hospital”, Bucharest, February 2014

Society of Pediatric Neurology with international participation, Bucharest, Romania, November 2013

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Pre-conference course - Acute conditions and emergencies in pediatric neurology -The first National Conference of the Romanian

The XXII National Conference of the Romanian Pediatric Neurology Society with the topic Updates in Epilepsy and Computerized Electroencephalography Course, Bucharest, Romania, November 2013

The IV Congress of the Neurology and Psychiatry Society in Children and Youth in Romania, Alba Iulia, Oct 2013

Therapeutic Options in Drug -resistant Epilepsies- SRN and SRNP Conference with international participation, February 2013, Bucharest

15th Congress of the International Headache Society, Berlin, Germany, June 2011

National Conference of Neurology and Psychiatry Development and Rehabilitation, Sibiu, May 2010

National Conference, "Modalities of Treatment in Resistant Epilepsy", Bucharest, 2011

XIX National Conference on Epilepsy, Bucharest, 2010

The Tenth Congress of Society of Neurology and Psychiatry in Children and Youth in Romania, Timisoara, September 2009

## **TRAINING COURSES AND WORKSHOPS**

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Clinical Homeopathy and Medical Ethics" in order to obtain the certificate of competence, University of Medicine and Pharmacy „Grigore T. Popa” Iasi, Cluj-Napoca, October 2018- July 2020

3rd Neuro-Mig Training School-Diagnostics and Follow-Up of MCD with Special Needs, March 2020

European Course on Pediatric Neuroradiology-10th Cycle, Module 1, Rome, January 2020

3-day training to new therapies and standard of care in SMA", CHR la Citadelle, Center of Reference in Neuromuscular Disease, Liege, Belgium, October 2018

Second East-European Course in Epilepsy, SRIE, Summer-School, Cheile Gradistei, June 2016

Neurological Evaluation after Dr. V Vojta, Sibiu, April 2016

Workshop Neuromuscular Diseases, M Curie Hospital, Bucharest, February 2015

Est European Epilepsy Course- Cheile Gradistei, Romania, June 2014

Teaching Course- Meet the Experts, Neurological Examination, Marc Tardieu, Bucharest 2013

Teaching Course- Meet the Experts- Pattern Recognition Approach in Neonatal Neurometabolic Disorder, Bucharest 2013

The Neurological Consultation of the Newborn and Infant after dr. V. Vojta", Sibiu, 16-20 October 2013

European Pediatric Neurology Society (EPNS) Training Course - Summer School - Ataxia and Cerebellum Disorders in Childhood, Cheile Gradistei, June 2012

EPNS Course - Summer School - Tuberous Sclerosis, Cheile Gradistei, Romania, June 2012

EPNS Course- Acute Neurology and Neurooncology, Sarajevo, May 2012

EPNS Course- Immune-mediated and Infective CNS Diseases, Sarajevo, May 2012

Neurology, Prof. Dr. Alexandru Obregia Hospital, UMF Carol Davila, Bucharest, October 2011- April 2012

Training Modular Course –EEG (four modules October 2011 / January 2012 / February 2012 / March 2012), included in the training programs to obtain additional education qualifications (competence), Clinic of Pediatric

EPNS Course- Neuromuscular Disorders, Cheile Gradistei, June 2011

EPNS Course- Perinatal Neurology, Cheile Gradistei, June 2011

TMD- Molecular Cytogenetics Course "Victor Babeş" National Institute, within the project "System of



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professional training of the medical staff in the field of new technologies in the health system - Molecular Diagnosis “, Bucharest, April-July 2011 (4 weeks), Bursary

Treat -NMD “Standards of Care in the Management of People with DMD”, Workshop Bucharest, March 2011, Bursary

EPNS Course “Epilepsy and Cognition” Cheile Gradistei, May-June 2010

EPNS Course „Central Motor Function Disorders, Cheile Gradistei, June 2010

Training Course EEG “Protocol for Investigating and Monitoring the Patients Regarding Indication for Epilepsy Surgery”, Bucharest, 2010

Neurointensive Care Course, Brasov, Romania, 2010

EPNS Training Course-” Neuroimaging”, Cheile Gradistei, May 2009

EPNS Training Course -” Neurogenetics”, Cheile Gradistei, Romania, May 2009

Sibiu, 03.09.2021