



OPTIONAL DISCIPLINE DESCRIPTION

1. Data on the program

1.1.	UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE "CAROL DAVILA"
1.2.	Faculty of Medicine / DEPARTMENT DEPARTMENT 6-Neurology, Neurosurgery, Psihiatrie, Psihiatrie of Child and Adolescent
1.3.	DEPARTMENT Paediatric Neurology II
1.4.	FIELD OF STUDY Health
1.5.	STUDY CYCLE: LICENCE
1.6.	STUDY PROGRAM Medicine

2. Data on discipline

2.1.	Optional Discipline Name: Aquiring practical abilities in emergency situations in pediatric neurology						
2.2.	Discipline location: „Prof. Dr. Al. Obregia” Hospital, Pediatric Neurology Clinic						
2.3.	Holder of English course activities: Prof. Dr. CRAIU DANA, Conf. Dr. CATRINEL ILIESCU						
2.4.	Holder of workshop activities: Conf. Dr. ILIESCU CATRINEL, Sef lucrari Dr. MINCIU IOANA, As. Dr. TARTA-ARSENE OANA, As. Dr. MOTOESCU CRISTINA, As. Dr. BARCA DIANA, As. Dr. BUTOIANU NICULINA, As. Drnd. POMERAN CRISTINA, As. Drnd. SANDU CARMEN						
2.5. Study year		2.5. Semester		2.6. Evaluation Type	Written and practical examination	2.7. Discipline regimen	DS

3. Total estimated time (hours/semester of didactic activity)

3.1.Nr hours per week	3,5	From which: 3.2. cours	1	3.3. seminar/ laboratory	2,5
3.4. Total hours from the education plan	14	From which : 3.5. cours	4	3.6. seminar/ laboratory	10
Distribution of the time table	4		3,5 hours/day		
Study from the manual, cours support, bibliography and notes					
Supplementary documentation in the library, on electronic speciality platforms and on the field					
Preparing seminary / laboratory, homework, papers, portofolio și essay					
Tutorial					
Examinations					
Other activities					
3.7. Total hours individual study					
3.9. Total hours per semester					
3.10. Number of credits					2

4. Preconditions (where appropriate)

4.1. of curriculum	Knowledge of neurology, pediatric neurology
4.2. of competence	Not applicable

5. Conditions (where appropriate)

5.1. of the course conduct	Maximum 40 participants
5.2. of the seminary / laboratory conduct	For a good practical activity, it is necessary that the participants will be split in small groups

6. Specific skills acquired

Professional skills (expressed through knowledge and skills)	• Identifying pediatric neurology emergencies by learning key knowledge for differentiation from other diseases • Correct diagnosis of major emergencies in PN • Correct attitude in pre-hospital setting and sending to the closest PN setting • Performing lumbar puncture (Manechin practice) • Case scenarios for learning practical attitude in status epilepticus in prehospital and hospital setting • Practical help in a seizure – practical scenarios • Head trauma – practical attitude – case scenarios • Breath holding spells – practical attitude – case scenarios • Acute headache – practical attitude – case scenarios
Transversal skills (role, professional development, personal)	• Achieving practical skills to allow working in a multidisciplinary team, developing knowledge in the area of functional anatomy, neurophysiology, epilepsy physiopathology; understanding better future medical diseases which have EEG changes in pediatric neurology and neurology • Identification of roles and responsibilities in an multi-disciplinary team, implementation of relationship and effective work techniques in the team and in relationship with the neurological pediatric patient

7. Discipline objectives (based on the grid of accumulated specific skills)

7.1. General Objective	Identifying the emergency degree, correct diagnosis, practical abilities learning in some emergencies in pediatric neurology emergency room
7.2. Specific Objective	Performing lumbar puncture Performing practical maneuvers in epileptic seizure Learning and applying a practical plan for the pediatric neurological emergency

8. Contents

8.1. Courses for english language	Teaching methods	Observation
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students		
Course 1 Practical interaction with the family of the pediatric neurology patient – how to interact and communicate, how to tell the bad news?	Courses will be held in a proper course room with videoprojector	
Curs 2 Theoretical description of the practical maneuvers in pediatric Neurology emergencies		
Curs 3 Theoretical plans to use in the practice of pediatric neurology emergencies		
Curs 4 Theoretical plans to use in the practice of pediatric neurology emergencies		
8.2. Practical hours	Teaching methods	Observații
SC 1 Clinical scenarios – interaction with parents – how to discuss, how to communicate the bad news? – interaction student – teacher acting as parent	Interactive case scenarios Practice for lumbar puncture	
SC 2 Lumbar puncture – practice on manechin		
SC 3 First aid maneuvers in the epileptic seizure (practice), recognition on movies – breath holding spells; practical attitude		
SC 4 Clinical scenarios – what to do in head trauma, febrile seizure, acute headache		
Bibliography		
1. NEUROLOGIE PEDIATRICA. Note de curs - Craiu D, Iliescu C , Editura Universitara " Carol Davila", Bucuresti, 2013		

9. Bridging the course content with the expectation of the representatives of epistemic community, professional associations and representative employers from the program related domain

The aim of the course is to teach students how to practically perform maneuvers in pediatric neurology emergency. Students will be better prepared for interaction with parents and the families expectations are presented as well as the aims of the professional associations (guidelines will be presented)

10. Evaluation

Type of activity	8.1. Evaluation criteria	8.2. Evaluation methods	8.3. Percent of the final evaluation
Lecture		Written examination	20%
Seminary / laboratory		Practical examination	60%

		Interaction involvement	and	20%
Minimum standard of performance				
Obtaining Note 5 (at written and practical examination)				

Date of completion:

15 May 2018



Signature of the holder of the discipline

Prof. dr Dana Cristina Craiu

Conf. Dr. Ilescu Catrinel

Signature of the holder of the workshop

Lecturer Ioana Minciuc

Asistant Profesor dr Tarta Arsene Oana

Asistant Profesor dr Barca Diana

Asistant Profesor dr Butoianu Niculina

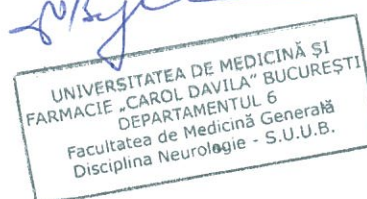
Asistant Profesor dr Pomeran Cristina

Asistant Profesor dr Motoescu Cristina

Asistant Profesor dr Sandu Carmen

Date of approval in
Department Council:
4 april 2018

Signature of the Departemnt Director
Prof. Dr. Ovidiu Bajenaru



Anexx

Topics courses and seminars -Pediatric Neurology

1. Psychomotor development of the infant and toddler. Definitions. Abnormal development.

0-6 months old: neonatal period features according to gestational age; arhaic reflexes; psychomotor milestones; neurological exam;

6-12 months old: psychomotor milestones; neurological exam;

1-3 years old: psychomotor milestones; neurological exam)

2. Epilepsy; definition of seizures and epilepsy; classification of seizure, description, definitions; treatment of seizures: principles of treatment, treatment of seizure, different treatments depending on the type of seizures)

3. Epilepsy; epileptic syndromes: classification, description, electroclinical entities, treatment);

4. Status epilepticus; definition; types; treatment

5. Neurocutaneous syndromes: tuberous sclerosis – definition, etiology, clinical symptoms and lab abnormalities, diagnostic, treatment; neurofibromatosis – definition, classification, etiology, clinical signs, lab tests and diagnostic criteria, treatment; Sturge-Weber disease: definition, classification, etiology, clinical signs, lab tests and diagnostic criteria, treatment

6. Hypoxic-ischemic encephalopathy: definition, etiology, anatomo-clinical forms depending on gestational age, classification

7. *Cerebral palsy: definition, classification, clinical description / clinical forms and possible etiologies, treatment)*

8. *Headache: classification criteria; classification and types of headache, description of different types of headache, classical and commune migraine, treatment*

9. *Intracranial hypertension: definition, etiology and pathology, clinical and imagistic signs*

10. *Hidrocephaly: definition, etiology, clinical and radiological signs)*

11. *CNS malformations and craniostenosis: definitions, embryology, etiology, clinical and radiological signs of common CNS malformations, classification, prenatal diagnosis; treatment, prophylaxis; anencephaly, encephalocel, meningocel/meningomielocel, spina bifida oulta holoprozencephaly, corp calosum agenesis, Arnold Chiari malformation, microcephaly, megalencephaly, lisencephaly, cortical dysplasia, schizencephaly, neuronal heterotopy, porencephaly and hidranencephaly); Porencephaly, Hidranencephaly. Craniosynostosis*

12. *Neuromuscular diseases: definition; myopathy; classification; clinical signs sugestiv for myopathy and lab tests; progressive muscular dystrophy – etiology/genetic; clinical signs – Duchenne or Becker phenotype, evolution and complications, lab tests, positive diagnostic; management of disease, treatment, prophylaxy.*

Neuromuscular junction syndrome: definition, general traits; gravis myasthenia – definition, classification, clinical signs, diagnostic, treatment, evolution.

Anterior horn syndrome – generalities. Spinal amyotrophy – definition, etiology, classification, clinical signs, evolution, complications, diagnostic, treatment

13 *Non-epileptic paroxysmal events; syncope – definition, etiology, clinical signs, differential diagnosis with seizure, treatment; breath holding spells – definition, etiology, clinical signs, differential diagnosis with seizure, treatment; spasmus nutans, autogratifiant behavior, paroxystic benign vertigo, psychogenic crisis, night terror, sleep walking - clinical signs, differential diagnosis with seizure*

14 *Febrile convulsions and occasional seizures; definition of occasional seizure – types; definition of febrile seizure; characteristics of simple and complicated febrile convulsions – treatment of seizure and recurrence*