

D.2.2. Cases tested, implemented



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TAME

Training Against Medical Error

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TABLE OF CONTENTS

1.	INTRODUCTION.....	3
2.	CASES TESTING BY THE TUTORS AND STUDENTS.....	3
2.1.	Kazakhstan	3
2.1.1.	AMU.....	3
2.1.2.	KSMU	4
2.2.	Ukraine	6
2.2.1.	ZSMU.....	6
2.2.2.	BSMU	6
2.3.	Vietnam	7
2.3.1.	HMU.....	7
2.3.2.	HueUMP	8
3.	CASES MODIFICATION AFTER THE RESULTS OF TESTING.....	8
3.1.	Kazakhstan	8
3.1.1.	AMU.....	8
3.1.2.	KSMU	9
3.2.	Ukraine	10
3.2.1.	ZSMU.....	10
3.2.2.	BSMU	11
3.3.	Vietnam	11
3.3.1.	HMU.....	11
3.3.2.	HueUMP	12
4.	IMPLEMENTATION OF MODIFIED CASES INTO THE CURRICULA	12
4.1.	Kazakhstan	12
4.1.1.	AMU.....	12
4.1.2.	KSMU	12
4.2.	Ukraine	13
4.2.1.	ZSMU.....	13
4.2.2.	BSMU	14

THE IMPLEMENTATION OF THE TESTED CASES STARTED ON THE 14TH OF NOVEMBER, 2016 IN ACCORDANCE WITH THE CURRICULUM MAPPING DESCRIBED IN D.1.1..... 12

D.2.2. Cases tested, implemented



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THE IMPLEMENTATION OF PEDIATRIC CASES IN BSMU WAS HELD FROM 18 NOVEMBER TO 28 DECEMBER, 2016
ACCORDING TO THE CURRICULUM MAPPING DESCRIBED IN D.1.1. 14

4.3.	Vietnam	15
4.3.1.	HMU.....	15
4.3.2	HueUMP	15
5.	ANNEXES.	16
5.1.	Kazakhstan	16
5.1.1.	AMU.....	16
5.1.2.	KSMU	19
5.2.	Vietnam	28
5.2.1.	HMU.....	28
5.2.2.	HueUMP	30

1. INTRODUCTION.

This deliverable describes how Partner country Institutions tested and implemented clinical cases in the medical curriculum in each partner universities. Firstly, translated and adapted cases (Deliverable 2.1 Pediatric Cases modified) in Russian, Ukraine, Vietnamese languages were tested by staff and senior students not involved in the project at all (not control and not intervention groups). After appropriate feedback forms were used to gather responses for further improvement of the cases. The Partners agreed on the feedback form whether to take one standard form or create a different one to fit their needs.

2. CASES TESTING BY THE TUTORS AND STUDENTS

2.1. Kazakhstan

2.1.1. AMU

Cases testing was carried out in 2 days(23.09, 27.09.2016). Each tutor worked with the group of Year 6 students. 2 cases such as Rorry Gallaher and Bella were taken by 6 tutors who are appoined to held TAME classes. Riza, Meruert and Xenia were engaged with Rory case and Danara,

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Saule, Aigerim tested the Bella case on the second day. Their work was conducted under the direction of project trainer - Zhanagul and coordinator of the project - Ainura. For testing above mentioned clinical cases AMU team involved 12 students. AMU decided to take 6 Year students because of their competences. They are able to: learn clinical cases; make clinical diagnosis; well informed with local clinical guidelines; make clinical decisions.

The tutors and students completed special feedback forms (Annex 1,2,3) which were translated by the tutors. The evaluation forms for tutors (E.3 Tutor experience survey) and two survey forms sent by SGUL: (E 1.1 Learner Experience Survey and E 1.2 Learner Motivation Survey). The suggestions from the student feedback were taken into consideration during the final adaptation process before the final signoff. Testing of the pediatric cases helped to ensure quality of adapted cases.

The analysis of the paper feedback forms allowed to identify two things:

1. Positive:

1.1. Students like methodology of the session, they were interested and curious.

1.2. Tutors trained their skills independently with the groups, that helped them to identify own and colleague's mistakes in the teaching, after they did the analysis of their work.

2. Some problems in learning: Students faced problems of formulating LOBs. For example, they included in the LOBs "The standards of laboratory and instrumental data", they did not cover the questions of physiology, pathological physiology. When discussing with tutors, the senior students were very self-confident and were ready to make the diagnosis, that is, the most important mistake "bravado" was made by them.

2.1.2. KSMU

According to the "Workplan for project year 1", student groups, teachers, and also heads of pediatric departments participating in testing of pediatric cases have been defined and coordinated with the dean of internship faculty.

Testing of pediatric cases took place from 11/10/2016 to 12/10/2016 with participation of undergraduate students of the 6th course of the specialty General Medicine, previously not trained in the D-PBL case study.

The testing of 6 pediatric cases was carried out in 6 groups of the General Medicine specialty, Year 6. The test session in each group of interns took place with the participation of 2 tutors. The case distribution for testing with the 6th-year students is shown in Table 1.

After completing case study, students and teachers were interviewed and questioned using Survey Monkey to get feedback from them. Heads of the Pediatric Departments also provided their expert opinion on adapted cases. The results showed the following positive feedback of using D-PBL cases:

- Students noted increased motivation for learning using modern technologies
- Students liked advantages of using "scenarios", where the User goes through step by step, view of the content of case in Open Labyrinth, possibility to choose one or another action, assign an examination, put forward a hypothetical diagnosis, etc.

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- Teachers noted that scenarios based on teaching students to solve complex unstructured problems cases give the impression of "real patient management", stimulate the students to analyze deeply and participate in team-work with classmates.

All proposals and recommendations of students, teachers and managers were taken into account.

Table 1. The case distribution for testing with the 6th-year students

No	Tutors' name	Department	Case Original/adapted name	Group number	Room
1	Ardak Ahaeva	Department of Children Diseases №1	Davina/ Dirina	6034	404
2	Akbota Kisabekova				
3	Saida Sadvakasova	Department of Children Diseases №2	Charlie/Chinara	6032	355
4	Aiman Issaeva				
5	Ainash Dyusembaeva	Department of Children Infectious Diseases	Jack Horner/Talgat Hamitov	6030	352
6	Gulsharbat Alshinbekova				
7	Aizhan Sersauletova	Department of GP №1	Rory Gallagher/ Ramazan Galimzhanov	6029	351
8	Ainash Ibysheva				
9	Kristina Dobler	Department of GP № 2	Bella/ Balzhan Bolatova	6031	353
10	Karakoz Amangeldieva				
11	Maiya Serikova	Department of	Dominic	6033	356

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12	Zhandarbek Kalbekov	GP №3	Barton/Dauren Bekov		
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2.2. Ukraine

2.2.1. ZSMU

Zaporozhye State Medical University has conducted testing of 2 cases: Rorry Galaher and Jack Horner during 2 days – 06.10.16 and 07.10.16.

The testing was held by Olena Furyk, the coordinator from ZSMU.

New tutors were invited for the testing. The tutors have enhanced their skills and knowledge as viewers in the new methodic of training earlier.

The testing was organized for 2 groups consisting of 8 students of Medical Faculty of the 6 year of study each in accordance with dates and themes of the cases. The cases were downloaded into the Open Labyrinth platform. The students actively participated in discussing of every case with interactive VP, they were attentive and responsible. Students were felt sorry about doing only one case.

After the cases' testing every student received the link for the Russian variant of the on-line Survey 1.1 for completion.

2.2.2. BSMU

Testing of cases took place in BSMU two days (09.09.2016, 30.09.2016). Classes were conducted in two groups of 6th year students (8 students per group). Two cases were tested, namely, Rorry Gallaher and Dominic Barton. Classes were held by tutors Galyna Bilyk and Garas Mykola. The classes were also attended by case adapters and tutors (Tetiana Bilous, Sergiy Sajin, Natalia Bogutska, Svitlana Tarnavska, Victoria Chilchevska). Total 7 persons.

The tutors and students completed special feedback forms from SGUL which were translated by the tutors. At the end of the class, each student filled out two survey forms(E 1.1 Learner Experience Survey and E 1.2 Learner Motivation Survey). After the survey the following conclusions were made:

1. Positive aspects

- Team work is an interesting feature in the new methodology for students
- Simultaneous revision of various disciplines
- Better comprehension of the material
- Systematization of the knowledge

2. Problematic aspects

- It is hard to work in a team and hear one another

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- It is hard to remember some disciplines (e.g. pharmacology)
- Lack of help from the teacher and immediate error correction

2.3. Vietnam

2.3.1. HMU

Cases testing was carried out in 2 days (October 24 and 26). Each tutor worked with the group of medicine students. Cases Rorry Gallaher were taken by lecturer from Pediatric Department who are appoined to held TAME classes. They were engaged with Rory case. Their work was conducted under the direction of project trainer – Dr. Dung and coordinator of the project – Dr. Bach. For testing above mentioned clinical cases HMU team involved 8 students. HMU decided to take 5 Year medicine students because of their competences.

The tutors and students completed special feedback forms (Annex 1,2,3) which were translated by the tutors. The evaluation forms for tutors (E.3 Tutor experience survey) and two survey forms sent by SGUL: (E 1.1 Learner Experience Survey and E 1.2 Learner Motivation Survey).The suggestions from the student feedback were taken into consideration during the final adaptation process before the final signoff. Testing of the pediatric cases helped to ensure quality of adapted cases.

The analysis of the paper feedback forms allowed to identify two things:

1. Advantages

PBL is more interactive, lecturers can get students to participate on the lesson, encouraging them to think and act. Students learn to re-evaluate from case study which choice is correct and which on is not.

Having received attention from teachers, the lesson was successful and met the expected result.

2. Disadvantages

PBL is a new approach unlike current teaching methods so adoption process requires a certain amount of time for teachers to become acquainted and conduct teaching by this method.

Case studies need to match the context and reality in Vietnam. Current case study is directly translated, therefore not fitting Vietnam.

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Case study needs to be uploaded to OpenLabyrinth and it takes a lot of time to install the system and guiding teachers on how to use it. Extra time is needed to replicate the model.

2.3.2. HueUMP

Hue UMP tested Charlie case on 17th October 2016. The tutors were lecturers from Department of Pediatrics, other lecturers from department of Obstetrics and Gynaecology, Surgery, and Internal Medicine observed the class. We tested this case to the group of 6th students. These tutors were engaged with this case before. This work was conducted under the monitoring of project trainer – Dr. Chi, A/Prof. Anh, and the coordinator of the project – Dr. Hung and A/Prof. Thang.

The tutors and students completed special feedback forms from SGUL which were translated by the tutors into Vietnamese. They are E 1.1 - Learner Experience Survey and E 1.2 - Learner Motivation Survey. The students reported that the case is very close to the reality. They learned how to do team work, felt more confident in making decision if facing the similar situations, and known which error they should avoid. However, they proposed that this case should be modified to fit with the Vietnamese context and the students need to have more comprehensive knowledge to learn the case. As D-PBL is a new approach educational method, it requires much more time for lecturers and students to study and get familiar with the case.

3. CASES MODIFICATION AFTER THE RESULTS OF TESTING.

3.1. Kazakhstan

3.1.1. AMU

The results of testing showed minor mistakes in the translation as well as the adaptation. Translated and adapted pediatric cases were tested by 6 Year students and then reviewed by the independent group of pediatricians. The group included 2 professors of Children's Diseases Department (they were not involved in TAME). The review group checked the correspondence with the clinical protocols of the country and the names of the medicines used in Kazakhstan. The review group considered students and teachers' comments and made some changes in:

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1. Translation
2. Pictures (photos)
3. Social aspects of adaptation

In conclusion 6 tutors gave very positive feedback and agreed that pediatric clinical cases based on medical errors are interesting, some of them are more complicated, the cases help to improve clinical teaching competency.

3.1.2. KSMU

Feedback results of testing 6 translated and adapted pediatric cases with “General Medicine” students, Year6, grouped in the following Table 2:

Table 2. Changes and additions were made to the pediatric cases

No	Case Original/Adapted name	Content changes and additions to the cases	Comments
1	Davina/Дарина	Edited translation	Grammatical errors in translated cases
2	Dominic Barton/Даурен Беков	No changes and additions	
3	Charlie/Чинара	Changes: units in the biochemical blood test: Vitamin B12, folic acid, Vit D. Additions: a case history of hospital patient; treatment sheet; Case history of the dynamic observation ward.	No edition to translated cases was done by group of reviewers. 6 Year students' feedback results showed necessity to edit translation from English to Russian in parts of the cases

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4	Jack Horner/Талгат Хамитов	No comments to content	Case was translated appropriately. Spelling mistakes were found and corrected later. Students asked to solve technical issue (to leave paragraphs (distance) in the text because it was difficult to read the merged text.
5	Rory Gallagher/Рамазан Галымжанов		Technical issues in case design were corrected: <ul style="list-style-type: none">• removed unnecessary comment options (Slide 3414, 3415)• changed pictures of spots in places, a new spot and birthmarks entered (3416, 3417)• removed an extra X-ray shot (3416)• a CT scan was inserted (3426, 3442, 3447, 3444). Translation and some grammatical errors were corrected
6	Bella/Балжан Болатова		Translation was edited, grammatical errors were corrected

The teachers noted that using D-PBL cases contributes to development of clinical thinking and decision making skills, the ability for continuing learning to get new knowledge and, argue/defend own points

3.2. Ukraine

3.2.1. ZSMU

The students who were involved in testing came to a common opinion – the innovative problem-based learning is more effective than the traditional form of learning, this methodology is a good practice of forming clinical algorithm of diagnosis establishing.

During the cases' testing some grammatical and lexical mistakes were corrected. Testing of the cases has improved the quality of case adaptation.

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The matching of the images with the situation, units of measurement of some laboratory tests, availability for understanding of some medical terms were assessed and checked. All changes and amendments in paediatric cases were discussed and coordinated with the group of adaptors (O. S. Krut, Associate Professor of the propaedeutics of children diseases department, T. Ye. Shumna, Associate Professor of the faculty paediatrics department, M. V. Patsera, Associate Professor of the propaedeutics of children diseases department).

After this all paediatric cases were reviewed by Roman Sychov (Associate Professor of the internal diseases No3 department) and sent to the partners of BSMU for reviewing. The access for reviewing was opened in the Open Labyrinth for all adaptors.

3.2.2. BSMU

The results of testing showed the presence of some inaccuracies in the translation of medical terms, some stylistic and spelling errors that were corrected. In addition, testing has shown that it is necessary to improve the adaptation of the structure of branches medical institutions (name of the departments, duties of medical staff).

The case adapters verified the actions in the cases corresponded to the clinical medical protocols in Ukraine, permitted use of medicines.

Classes were evaluated positively by both tutors and students. As a result of the testing, the corresponding changes were made to the cases.

3.3. Vietnam

3.3.1. HMU

The results of testing showed minor mistakes in the translation as well as the adaptation. Translated and adapted pediatric cases were tested by 5 Year medicine students and then reviewed by the group of pediatricians. The group included professors of Pediatric Department from HMU and HUMP. The review group checked the correspondence with the clinical protocols of the country and the names of the medicines used in Vietnam. The review group considered students and teachers' comments and made some changes in: Translation and social aspects of adaption



3.3.2. HueUMP

During the procedure of modifying these cases in Vietnamese language, minor mistakes due to translation was found and inappropriate scenario was modified and adapted to fit the Vietnamese context. These cases, which were tested to the 6th year medical students, were reviewed by the lecturers of Hue UMP who were involved in this Project. After that, they were reviewed by the lecturers from HNU. The review groups checked and modified these cases based on their knowledge, clinical experience as well as students and lecturers' comments after testing these cases. Further modification was made based on clinical protocols of Vietnam and the names of the medicines that were popular used in Vietnam.

4. IMPLEMENTATION OF MODIFIED CASES INTO THE CURRICULA

4.1. Kazakhstan

4.1.1. AMU

The implementation of the tested cases started on the 14th of November, 2016 in accordance the curriculum mapping described in D.1.1

At 8.00 a.m. came the students of Year 4 "General Medicine", who were divided into 4 groups with 8 students in each, in total 32 students. The sessions were conducted in the rooms specially equipped for DPBL classes. The first branched case was Rorry Gallagher (Ramazan Galymzhanov). These session continued for 3 hours. (Table 1 in appendix). The students showed active participation and were interested in the analysis of the case. The sessions were conducted by trained tutors according Table 2 (see appendix), 4 tutors for each case. After sessions, tutors discussed the work of the groups. Also, an online survey was carried out after each branched case.

Sessions with linear cases were carried out from 11.00a.m to 14.00p.m according to the schedule (Table 3 in appendix). To work with linear cases the groups were divided into 4 with 8 students in each (total 32 students). The first linear case was Rorry Gallagher (Ramadan Galymzhanov). At the end of each case, tutors discussed the work of groups. Also, an online survey was carried out after each linear case.

4.1.2. KSMU

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According to schedule of sessions developed for "General Medicine" students, Year 4 for implementation of TAME project, tutorial started on 4th of November with duration till 30th of December 2016

Tutorials were in rooms, specially arranged according to the scheme and equipped with smart board, PC, android tablets equipment purchased for this within TAME budget. All rooms have Internet access for on-line using OpenLabyrinth. Tables, chairs and boards for implementation of concept of student-centered learning was provided from Institution's own resources. Information from tutorials are stored for next tutorials.

Students participating in tutorials using VPpediatric cases were divided into groups: 1) Intervention groups of the students using branched error VP cases; 2) Control groups of the students using standard VP cases. Both Control and Intervention groups of the students are taught in Russian and Kazakh languages. Total 64 students with 8 students in each group participated in TAME implementation

Tutorials were provided by trained tutors: 3 tutors from pediatric departments and 3 tutors from GP departments in Russian and Kazakh languages.

Tutorials started from "Darina" case. According to D-PBL case delivery process first session was on general information, formulation of hypotheses and questions for study on Darina case. As a result of brainstorm, students should formulate possible hypotheses trying to explain clinical reasons of case.

During second session, students come with newly collected information, which they again analyze and discuss. In this session, students must come to a final decision after analyzing and discussing all information.

After the completion of branched and linear D-PBL cases, students were surveyed using the Survey Monkey tool according to Evaluation plan (E 1.1 Learner Experience Survey, E 1.2, E 3 Tutor's experience survey).

All tutors after completing all 6 pediatric cases were interviewed by Tutor Experience Survey Links.

4.2. Ukraine

4.2.1. ZSMU

The tutorials for the 5th-year students on the specialty "Paediatrics" were conducted since 15.11.16 till 23.12.16 (table 1). 64 students were involved into the training: 1st group, consisting of 32 students, was taught on the basis of branched cases, 2nd group, consisting also of 32 students, was using linear cases. Additionally 32 students were chosen as a control group, the latter was taught traditionally.

On 14 October, before the tutorials started, Olena Furek delivered a lecture for the 96 paediatric students on problem-based learning, virtual patients and medical errors.

The period of the 6 paediatric cases learning took 6 weeks, 108 hours (2 practical trainings - 3 hours each (36 hours in total), 2 lectures a week - 2 hours each (24 hours in total), and independent work - 48 hours).

Practical trainings were held by the following tutors:

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Yanina Skripnikova – Associate Professor of the propaedeutics of children diseases department (group 1)

Maryna Patsera - Associate Professor of the propaedeutics of children diseases department (group 2)

Larysa Hrebeniuk – Assistant Professor of the children diseases department of the faculty of post-graduate education (group 3)

Tetiana Levchuk – Assistant Professor of the children diseases department of the faculty of post-graduate education (group 4)

Anton Kusnetsov – Assistant Professor of the nervous diseases department (group 5)

Olena Furyk – Associate Professor of the infectious diseases department (group 6)

Taras Ivanenko - senior lecturer of the Pathologic Physiology department (group 7)

Serhii Potapenko - post-graduate student of the children disease department of the faculty of post-graduate education (group 8)

Oleksandr Kostrovskyi – Associate Professor of the otorhinolaryngology department (could replace any tutor in any group if it was required)

Lectures were delivered by the following staff members:

Oleh Ivanko - Head of the propaedeutics of the children diseases department

Andrii Kamenshchuk – Associate Professor of the hospital paediatrics department

Tamila Shumna – Associate Professor of the faculty surgery department

The groups No 1-4 were taught on the basis of the branched cases, the groups No 5-8 used the linear cases for studying.

Each student completed E1.1 after each case.

64 students took part in the Survey E1.1. All students were tested on-line: for this purpose each student of the first group received a link for branched cases evaluation, and the students of the second group received link for evaluation their attitude to the linear cases (one hundred ninety two plus one hundred ninety two – three thousands eighty four in total). After all six cases the students completed E1.2 - the learner motivation survey.

After the training all students and tutors received the certificates of participation.

4.2.2. BSMU

The implementation of pediatric cases in BSMU was held from 18 November to 28 December, 2016 according to the curriculum mapping described in D.1.1.

Six academic groups of 6th year students Specialty “General Medicine” took part in the project (21, 22, 24, 25, 28, 29), which were divided into 8 groups for TAME classes (four groups for branch cases and four – for linear cases). In each group there were 8 students. Total 32 students took part in the branch cases. The same number of students were trained in linear cases.

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Classes were held 2 times a week. One case was studied 2 classes (together 6 hours – 3 hours each session). Groups who have studied branch cases were engaged at the same time from 8.30 to 11.30. Classes for students who studied linear cases were held from 12.00 to 15.00 the same days. At the end of each case, each student filled out anonymous survey.

The students showed active participation and were interested in the analysis of the cases. The sessions were conducted by tutors according Table (see apendix).

4.3. Vietnam

4.3.1. HMU

The implementation of the tested cases started on the 14th of December, 2016 .

At 7.30 a.m. came the students of Year 4 “General Medicine”, who were divided into 4 groups with 7 students in each, in total 28 students. The sessions were conducted in the rooms specially equiped for DPBL clases.The first branched case was Dominic Barton. The session continued for 2 hours. The students showed active participation and were interested in the analysis of the case. The sessions were conducted by trained tutors according Table 1 (see appeendix) , 1 tutors for each case. After sessions, tutors discussed the work of the groups. Also, an paper survey was carried out after each branched case.

Sessions with linear cases were carried out from 9.45.00a.m to 11.301.m according to the schedule (Table 1 in appendix). To work with linear cases the groups were divided into 4 with 7 students in each (total 28 students). The first linear case was Dominic Bartion. At the end of each case, tutors discussed the work of groups. Also, a paper survey was carried out after each linear case.

4.3.2 HueUMP

The implementation of the tested cases started from 13th of February and ended on 26th of April, 2016 (11 weeks, 192 hours). Tables, chairs and boards were arranged to meet the concept of student-centered learning. These tutorials were carried out in rooms equipped with Internet for accessing cases on OpenLabrynth. These paediatrics cases were tested to 64 students of year four, who specialized in general medicine. They were divided into 8 groups with 8 students per one group. Four groups (M1, M2, M3 and M4) studied branch cases and the other four groups (N1, N2, N3, N4) studied linear cases. Another 32 students were chosen as a control group and were taught traditionally.

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Each linear/ branch case was taught by lecturers who were well-trained with D-PBL method before and were delivered via two sessions in Vietnamese language (each session lasted 2 hours). In the first session, the students approached the cases and collected general information of the case, formulated their own hypotheses of diagnosed and treatment for the patient and raised questions for this case. After that, they will have independent work at home to look for the answers to the questions that they raised as well as evidence to support the diagnosis and treatment method that they proposed during the first session. Then, attending the second session in another day, those students would have more in-depth discussion with the tutors about the case, in term of explaining and analysing which medical errors they did make when studying this case. When finishing teaching each case, a paper-based survey was conducted among these students. After delivering all these six pediatrics cases, the students filled the E 1.2 - the learner motivation survey. These answers later were entered via online Survey Monkey tool. The tutors of these classes also gathered together at the end of each week to discuss and shared their experience while teaching these cases to students. Details of the schedule and tutors of these classes were presented in annexes.

5. Annexes.

5.1. Kazakhstan

5.1.1. AMU

Table 1. Distribution of cases in the disciplines (units) inAMU.

The names of disciplines	Name of the unit (block)	Name of the case	Date
Children's infectious diseases	Children's infectious diseases	Case 5. Seizures Rorry Gallagher / Ramazan Galymzhanov	14.11.2016 18.11.2016
Children's diseases	Unit 1. Physiology and pathology of newborn and infants	Case 1. Neonatology Dominic Barton/ Dauren Bekov	02.12.2016 05.12.2016
	Unit2. Respiratory Diseases	Case 4. Growth Davina /Darina Case 2. Difficulty in Breathing Jack Horner/Talgat Hamitov	07.12.2016 08.12.2016 09.12.2016 15.12.2016

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	Unit3. Diseases of the cardiovascular system	Case 6. Blue baby Bella/Balzhan Bolatova	20.12.2016 22.12.2016
	Unit4. Diseases of the digestive system	Case 3. Vomiting Charlie /Chinara	23.12.2016 29.12.2016

Table 2. Schedule of branched cases inAMU.

Date	Time	Name of the case	Branched / Linear	Room	Tutor
14.11.2016 18.11.2016	8.00-11.00	Rorry Gallagher / Ramazan Galymzhanov	Branched case	706, 707, 710, 716	Nurpeissova R.G., Suleimenova S.M., BekbergenovaZh.B. ,Zhumambaeva S.M.
02.12.2016 05.12.2016	8.00-11.00	Dominic Barton/ Dauren Bekov	Branched case	706	Zhakupbekova M.O.
02.12.2016 05.12.2016	8.00-11.00	Dominic Barton/ Dauren Bekov	Branched case	707	Zhumambaeva S.M.
02.12.2016 05.12.2016	8.00-11.00	Dominic Barton/ Dauren Bekov	Branched case	710	Shnaider K.V.
02.12.2016 05.12.2016	8.00-11.00	Dominic Barton/ Dauren Bekov	Branched case	716	Zhuzhassarova A.A.
07.12.2016 08.12.2016	8.00-11.00	Davina / Darina	Branched case	706	Shnaider K.V.
07.12.2016 08.12.2016	8.00-11.00	Davina / Darina	Branched case	707	Syzdykova A.S.
07.12.2016 08.12.2016	8.00-11.00	Davina / Darina	Branched case	710	Zhumambaeva S.M.
07.12.2016 08.12.2016	8.00-11.00	Davina / Darina	Branched case	716	Zhuzhassarova A.A.
09.12.2016 15.12.2016	8.00-11.00	Jack Horner/ Talgat Hamitov	Branched case	706	Zhakupbekova M.O.
09.12.2016	8.00-11.00	Jack Horner/ Talgat	Branched	707	Nurpeissova R.G.

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15.12.2016		Hamitov	case		
09.12.2016 15.12.2016	8.00-11.00	Jack Horner/ Talgat Hamitov	Branched case	710	Zhuzhassarova A.A
09.12.2016 15.12.2016	8.00-11.00	Jack Horner/ Talgat Hamitov	Branched case	716	Suleimenova S.M.
20.12.2016 22.12.2016	8.00-11.00	Bella/ Balzhan Bolatova	Branched case	706	Zhakupbekova M.O.
20.12.2016 22.12.2016	8.00-11.00	Bella/ Balzhan Bolatova	Branched case	707	Shnaider K.V.
20.12.2016 22.12.2016	8.00-11.00	Bella/ Balzhan Bolatova	Branched case	710	BekbergenovaZh.B.
20.12.2016 22.12.2016	8.00-11.00	Bella/ Balzhan Bolatova	Branched case	716	Zhuzhassarova A.A
23.12.2016 29.12.2016	8.00-11.00	Charlie / Chinara	Branched case	706	Nurpeissova R.G.
23.12.2016 29.12.2016	8.00-11.00	Charlie / Chinara	Branched case	707	Suleimenova S.M.
23.12.2016 29.12.2016	8.00-11.00	Charlie / Chinara	Branched case	710	BekbergenovaZh.B
23.12.2016 29.12.2016	8.00-11.00	Charlie / Chinara	Branched case	716	Zhumambaeva S.M.

Table 3. Schedule of linear cases inAMU.

Date	Time	Name of the case	Branched / Linear	Room	Tutor
14.11, 18.11.	11.00-14.00	RorryGallagher / Ramazan Galymzhanov	Linearcase	706	Nurpeissova R.G.
14.11, 18.11.	11.00-14.00	RorryGallagher / Ramazan Galymzhanov	Linear case	707	Suleimenova S.M.
14.11, 18.11.	11.00-14.00	Rorry Gallagher / Ramazan Galymzhanov	Linear case	716	Zhumambaeva S.M.
14.11, 18.11.	11.00-14.00	Rorry Gallagher Ramazan Galymzhanov	Linear case	710	Zhakupbekova M.O.
2.12, 5.12	11.00-14.00	Dominic Barton/ Dauren Bekov	Linear case	706	Zhakupbekova M.O.
2.12, 5.12	11.00-14.00	Dominic Barton/ Dauren Bekov	Linear case	707	Shnaider K.V.
2.12, 5.12	11.00-14.00	Dominic Barton/ Dauren Bekov	Linear case	716	Zhuzhassarova A.A

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2.12, 5.12	11.00-14.00	Dominic Barton/ Dauren Bekov	Linear case	710	Syzdykova A.S.
7.12, 8.12	11.00-14.00	Davina / Darina	Linear case	706	Shnaider K.V.
7.12, 8.12	11.00-14.00	Davina / Darina	Linear case	707	Syzdykova A.S.
7.12, 8.12	11.00-14.00	Davina / Darina	Linear case	716	Zhuzhassarova A.A
7.12, 8.12	11.00-14.00	Davina / Darina	Linear case	710	Zhakupbekova M.O.
9.12, 15.12	11.00-14.00	Jack Horner/ Talgat Hamitov	Linear case	706	Zhakupbekova M.O.
9.12, 15.12	11.00-14.00	Jack Horner/ Talgat Hamitov	Linear case	707	Nurpeissova R.G.
9.12, 15.12	11.00-14.00	Jack Horner/ Talgat Hamitov	Linear case	716	Suleimenova S.M.
9.12, 15.12	11.00-14.00	Jack Horner/ Talgat Hamitov	Linear case	710	Syzdykova A.S.
20.12, 22.12	11.00-14.00	Bella/ Balzhan Bolatova	Linear case	706	Zhakupbekova M.O.
20.12, 22.12	11.00-14.00	Bella/ Balzhan Bolatova	Linear case	707	Shnaider K.V.
20.12, 22.12	11.00-14.00	Bella/ Balzhan Bolatova	Linear case	716	Bekbergenova Zh.B.
20.12, 22.12	11.00-14.00	Bella/ Balzhan Bolatova	Linear case	710	Nurpeissova R.G.
23.12, 29.12	11.00-14.00	Charlie / Chinara	Linear case	706	Nurpeissova R.G.
23.12, 29.12	11.00-14.00	Charlie / Chinara	Linear case	707	Suleimenova S.M.
23.12, 29.12	11.00-14.00	Charlie / Chinara	Linear case	716	Bekbergenova Zh.B.
23.12, 29.12	11.00-14.00	Charlie / Chinara	Linear case	710	Syzdykova A.S.

5.1.2. KSMU

Table 1. Schedule of tutorials for branched cases, General Medicine, Year 4 (teaching language: Russian)

Group number				4-072	4-073	4-075	4-076
Room				357	359	351	352
№	Time	Date	Case	Tutor			
1-stream (branched cases)	08.00 – 11.00	04.11.2016	Davina/ Dirina	Kristina Dobler	Saida Sadvakasova	Ainash Dyusembaeva	Bakhtiar Otynshev
		07.11.2016		Kristina Dobler	Saida Sadvakasova	Ainash Dyusembaeva	Bakhtiar Otynshev
		09.11.2016	Dominic Barton/ Dauren Bekov	Kristina Dobler	Ardak Ahaeva	Ainash Dyusembaeva	Bakhtiar Otynshev
		10.11.2016		Aizhan Beysenaeva	Ardak Ahaeva	Ainash Dyusembaeva	Bakhtiar Otynshev

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		17.11.2016	Jack Horner/ Talgat Hamitov	Aizhan Beysenaeva	Ardak Ahaeva	Ainash Dyusembaeva	Bakhtiar Otynshev
		18.11.2016		Aizhan Beysenaeva	Ardak Ahaeva	Ainash Dyusembaeva	Bakhtiar Otynshev
		28.11.2016	Bella/ Balzhan Bolatova	Aizhan Beysenaeva	Saida Sadvakasova	Ainash Dyusembaeva	Ardak Ahaeva
		29.11.2016		Aizhan Beysenaeva	Saida Sadvakasova	Ainash Dyusembaeva	Ardak Ahaeva
		06.12.2016	Charlie/Chinara	Aizhan Beysenaeva	Ardak Ahaeva	Saida Sadvakasova	Ainash Dyusembaeva
		07.12.2016		Aizhan Beysenaeva	Ardak Ahaeva	Saida Sadvakasova	Ainash Dyusembaeva
		29.12.2016	Rory Gallagher/ Ramazan Galimzhanov	Ainash Ibysheva	Saida Sadvakasova	Ainash Dyusembaeva	Kristina Dobler
		30.12.2016		Ainash Ibysheva	Saida Sadvakasova	Ainash Dyusembaeva	Kristina Dobler

Table 2. Schedule of tutorials for linear cases, General Medicine, Year 4(teaching language: Russian)

Group number				4-074	4-077	4-078	4-079
Room				357	359	351	352
№	Time	Data	Case	Tutor			
2 stream (Linear cases)	11.00-14.00	04.11.2016	Davina/ Dirina	Ainash Ibysheva	Ainash Dyusembaeva	Maiya Serikova	Ainash Dyusembaeva
				Ainash Ibysheva	Ainash Dyusembaeva	Maiya Serikova	Ainash Dyusembaeva
		07.11.2016	Dominic Barton/ Dauren Bekov	Ainash Ibysheva	Kristina Dobler	Maiya Serikova	Ainash Dyusembaeva
		09.11.2016		Ainash Ibysheva	Kristina Dobler	Maiya Serikova	Ainash Dyusembaeva
		10.11.2016		Ainash Ibysheva	Kristina Dobler	Maiya Serikova	Ainash Dyusembaeva
		17.11.2016		Ainash Ibysheva	Saida	Maiya Serikova	Ainash Dyusembaeva
			Jack Horner/	Ainash Ibysheva	Saida	Maiya Serikova	Ainash Dyusembaeva

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			Talgat Hamitov		Sadvakasova		
		18.11.2016		Ainash Ibysheva	Saida Sadvakasova	Maiya Serikova	Ainash Dyusembaeva
		28.11.2016	Bella/ Balzhan Bolatova	Ainash Ibysheva	Kristina Dobler	Kristina Dobler	Ardak Ahaeva
		29.11.2016		Ainash Ibysheva	Kristina Dobler	Kristina Dobler	Ardak Ahaeva
		06.12.2016		Ainash Ibysheva	Saida Sadvakasova	Kristina Dobler	Ardak Ahaeva
		07.12.2016	Charlie/Chinara	Ainash Ibysheva	Saida Sadvakasova	Kristina Dobler	Ardak Ahaeva
		29.12.2016		Aizhan Beysenaeva	Saida Sadvakasova	Kristina Dobler	Ardak Ahaeva
		30.12.2016	Rory Gallagher/ Ramazan Galimzhanov	Aizhan Beysenaeva	Saida Sadvakasova	Kristina Dobler	Ardak Ahaeva

Table 3. Schedule of tutorials for branched cases, General Medicine, Year 4 (teaching language: Kazakh)

Group number				4-009	4-010	4-013	4-014
Room				353	354	355	401
No	Time	Data	Case	Tutor			
1 stream (Branched cases)	08.00 – 11.00	04.11.2016	Davina/ Dirina	Gulsharbat Alshinbekova	Akbota Kisabekova	Aizhan Sersauletova	Aiman Issaeva
		07.11.2016		Gulsharbat Alshinbekova	Akbota Kisabekova	Aizhan Sersauletova	Aiman Issaeva
		09.11.2016	Dominic Barton/ Dauren Bekov	Zhandarbek Kalbekov	Bakhtiar Otyنشiev	Aizhan Sersauletova	Aiman Issaeva
		10.11.2016		Zhandarbek Kalbekov	Bakhtiar Otyنشiev	Aizhan Sersauletova	Aiman Issaeva

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		17.11.2016	Jack Horner/ Talgat Hamitov	Gulsharbat Alshinbekova	Akbota Kisabekova	Aizhan Sersauletova	Aiman Issaeva
		18.11.2016		Gulsharbat Alshinbekova	Akbota Kisabekova	Aizhan Sersauletova	Aiman Issaeva
		28.11.2016	Bella/ Balzhan Bolatova	Gulsharbat Alshinbekova	Akbota Kisabekova	Aizhan Sersauletova	Aiman Issaeva
		29.11.2016		Gulsharbat Alshinbekova	Akbota Kisabekova	Aizhan Sersauletova	Aiman Issaeva
		06.12.2016	Charlie/Chinara	Gulsharbat Alshinbekova	Zhandarbek Kalbekov	Aizhan Sersauletova	Aiman Issaeva
		07.12.2016		Gulsharbat Alshinbekova	Zhandarbek Kalbekov	Aizhan Sersauletova	Aiman Issaeva
		29.12.2016		Bakhtiar Otyنشiev	Zhandarbek Kalbekov	Aizhan Sersauletova	Bakhtiar Otyنشiev
		30.12.2016	Rory Gallagher/ Ramazan Galimzhanov	Bakhtiar Otyنشiev	Zhandarbek Kalbekov	Aizhan Sersauletova	Bakhtiar Otyنشiev

Table 4. Schedule of tutorials for branched cases, General Medicine, Year 4 (teaching language: Kazakh)

Group number				4-011	4-012	4-015	4-016
Room				357	359	351	352
№	Time	Data	Case	Tutor			
2 stream (Liner cases)	11.00-14.00	04.11.2016	Davina/ Dirina	Gulsharbat Alshinbekova	Zhandarbek Kalbekov	Akbota Kisabekova	Karakoz Amangeldieva
				Gulsharbat Alshinbekova	Zhandarbek Kalbekov	Akbota Kisabekova	Karakoz Amangeldieva
		07.11.2016		Akbota Kisabekova	Zhandarbek Kalbekov	Aiman Issaeva	Karakoz Amangeldieva
		09.11.2016	Dominic Barton/ Dauren Bekov	Akbota Kisabekova	Zhandarbek Kalbekov	Aiman Issaeva	Karakoz Amangeldieva
		10.11.2016					
		17.11.2016	Jack Horner/	Gulsharbat	Aiman Issaeva	Aizhan	Karakoz

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			Talgat Hamitov	Alshinbekova		Sersauletova	Amangeldieva
		18.11.2016		Gulsharbat Alshinbekova	Aiman Issaeva	Aizhan Sersauletova	Karakoz Amangeldieva
		28.11.2016	Bella/ Balzhan	Gulsharbat Alshinbekova	Zhandarbek Kalbekov	Bakhtiar Otyنشiev	Karakoz Amangeldieva
		29.11.2016	Bolatova	Gulsharbat Alshinbekova	Zhandarbek Kalbekov	Bakhtiar Otyنشiev	Karakoz Amangeldieva
		06.12.2016		Aiman Issaeva	Akbota Kisabekova	Aizhan Sersauletova	Karakoz Amangeldieva
		07.12.2016	Charlie/Chinara	Aiman Issaeva	Akbota Kisabekova	Aizhan Sersauletova	Karakoz Amangeldieva
		29.12.2016		Gulsharbat Alshinbekova	Akbota Kisabekova	Aiman Issaeva	Karakoz Amangeldieva
		30.12.2016	Rory Gallagher/ Ramazan Galimzhanov	Gulsharbat Alshinbekova	Akbota Kisabekova	Aiman Issaeva	Karakoz Amangeldieva

5.2.Ukraine

5.2.1.ZSMU

Table 1. Schedule of branched and linear cases in ZSMU

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TIMETABLE TAME 2016 (autumn semester)														
Week 1														
	Monday		Tuesday 15.11.16			Wednesday		Thursday 17.11.16			Friday			
Group	8.30-10.10	12.00-15.45	8.00-11.45			8.30-10.10	12.00-15.45	8.00-11.45			8.30-10.10	12.00-15.45		
1	Lecture Surgery (regional hospital)	Practical classes*	Practical classes*	12.30-15.30 Case 1 (Neonatology) branched Dima Baidak	15.40-16.40 Lecture "Problems of prematurity. Transition at birth."	Lecture Children Surgery (aud. 5)	Practical classes*	Practical classes*	12.30-15.30 Case 1 (Neonatology) branched Dima Baidak	15.40-16.40 Lecture "Respiratory distress syndrome"	Lecture infection diseases (aud.3)	Practical classes*		
2		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
3		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
4		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
5		Practical classes*	Practical classes*	15.30-17.30 Case 1 (Neonatology) linear			Practical classes*	Practical classes*	14.00-15.00 Lecture "Problems of prematurity. Transition at birth."	15.30-17.30 Case 1 (Neonatology) linear		Practical classes*		
6		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
7		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
8		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
Week 2														
	Monday		Tuesday 22.11.16			Wednesday		Thursday 24.11.16			Friday			
Group	8.30-10.10	12.00-15.45	8.00-11.45			8.30-10.10	12.00-15.45	8.00-11.45			8.30-10.10	12.00-15.45		
1	Lecture Oncology	Practical classes*	Practical classes*	12.30-15.30 Case 2 (Growth) branched Roman Galanov	15.40-16.40 Lecture "Normal growth in childhood.	Lecture Internal medicine (aud. 3)	Practical classes*	Practical classes*	15.30-18.30 Case 2 (Growth) branched Roman Galanov	15.40-16.40 Lecture "Cystic fibrosis."	Lecture obstetrics (aud.3)	Practical classes*		
2		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
3		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
4		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
5		Practical classes*	Practical classes*	14.00-15.00 Lecture "Respiratory distress syndrome"	15.30-17.30 Case 2 (Growth) linear		Practical classes*	Practical classes*	14.00-15.00 Lecture "Normal growth in childhood. "	15.30-17.30 Case 2 (Growth) linear		Practical classes*		
6		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
7		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
8		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
Week 3														
	Monday		Tuesday 29.11.16			Wednesday		Thursday 01.12.16			Friday			
Group		12.00-15.45	8.00-11.45				12.00-15.45	8.00-11.45			8.30-10.10	12.00-15.45		
1		Practical classes*	Practical classes*	12.30-15.30 Case 3 (Difficulty in Breathing) branched Jenia Harchenko	15.40-16.40 Lecture "Stridor and wheeze causes. Childhood asthma"		Practical classes*	Practical classes*	12.30-15.30 Case 3 (Difficulty in Breathing) branched Jenia Harchenko	15.40-16.40 Lecture "Pneumonia. Bronchiolitis"	Lecture infection diseases (aud.3)	Practical classes*		
2		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
3		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
4		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
5		Practical classes*	Practical classes*	14.00-15.00 Lecture "Cystic fibrosis. "	15.30-17.30 Case 3 (Difficulty in Breathing) linear		Practical classes*	Practical classes*	14.00-15.00 Lecture "Stridor and wheeze causes. Childhood asthma"	15.30-17.30 Case 3 (Difficulty in Breathing) linear		Practical classes*		
6		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
7		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		
8		Practical classes*	Practical classes*				Practical classes*	Practical classes*				Practical classes*		

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Week 4														
	Monday		Tuesday 06.12.16			Wednesday		Thursday 08.12.16			Friday			
Group		12.00-15.45	8.00-11.45			8.30-11.30	12.00-15.45	8.00-11.45				12.00-15.45		
1		Practical classes*	Practical classes*	12.30-15.30 Case 4 (Blue baby) branched Yulia Ognevich	15.40-16.40 Lecture "VSD, Fallot's tetralogy and other heart defects"	Lecture Internal medicine (aud. 3)	Practical classes*	Practical classes*	12.30-15.30 Case 4 (Blue baby) branched Yulia Ognevich	15.40-16.40 Lecture Lecture "Presurgical management and surgical treatment of children with CHD"		Practical classes*		
2		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
3		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
4		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
5		Practical classes*	Practical classes*	14.00-15.00 Lecture "Pneumonia. Bronchiolitis"	15.30-17.30 Case 4 (Blue baby) linear			Practical classes*	Practical classes*	14.00-15.00 Lecture "VSD, Fallot's tetralogy and other heart defects"	15.30-17.30 Case 4 (Blue baby) linear		Practical classes*	
6		Practical classes*	Practical classes*					Practical classes*	Practical classes*				Practical classes*	
7		Practical classes*	Practical classes*					Practical classes*	Practical classes*				Practical classes*	
8		Practical classes*	Practical classes*					Practical classes*	Practical classes*				Practical classes*	
Week 5														
	Monday		Tuesday 13.12.16			Wednesday		Thursday 15.12.16			Friday			
Group		12.00-15.45	8.00-11.45				12.00-15.45	8.00-11.45			8.30-10.10	12.00-15.45		
1		Practical classes*	Practical classes*	12.30-15.30 Case 5 (Vomiting) branched Maria Nikolainko	15.40-16.40 Lecture "Causes of vomiting, diarrhea, abdominal pain and distension"	Lecture Infectious diseases (aud.3)	Practical classes*	Practical classes*	12.30-15.30 Case 5 (Vomiting) branched Mariia Nikolaienko	15.40-16.40 Lecture "Acute intestinal infectious diseases"		Practical classes*		
2		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
3		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
4		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
5		Practical classes*	Practical classes*	14.00-15.00 Lecture "Presurgical management and surgical treatment of children with	15.30-17.30 Case 5 (Vomiting) linear			Practical classes*	Practical classes*	14.00-15.00 Lecture "Causes of vomiting, diarrhea, abdominal pain and distension"	15.30-17.30 Case 5 (Vomiting) linear		Practical classes*	
6		Practical classes*	Practical classes*					Practical classes*	Practical classes*				Practical classes*	
7		Practical classes*	Practical classes*					Practical classes*	Practical classes*				Practical classes*	
8		Practical classes*	Practical classes*					Practical classes*	Practical classes*				Practical classes*	
Week 6														
	Monday		Tuesday 20.12.16			Wednesday		Thursday 22.12.16			Friday 23.12.16			
Group		12.00-15.45	8.00-11.45			8.30-11.30	12.00-15.45	8.00-11.45				12.00-15.45		
1		Practical classes*	Practical classes*	12.30-15.30 Case 6 Growth branched Dasha Klimchuk	15.40-16.40 Lecture Lecture "Nutritional causes of disordered growth"	Lecture Internal medicine (aud. 3)	Practical classes*	Practical classes*	12.30-15.30 Case 6 Growth branched Dasha Klimchuk	15.40-16.40 Lecture "Coeliac disease"		Practical classes*		
2		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
3		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
4		Practical classes*	Practical classes*					Practical classes*			Practical classes*		Practical classes*	
5		Practical classes*	Practical classes*	14.00-15.00 Lecture "Acute intestinal infectious diseases"	15.30-17.30 Case 6 Growth.linear			Practical classes*	Practical classes*	14.00-15.00 Lecture "Nutritional causes of disordered growth"	15.30-17.30 Case 6 Growth. linear	09.00-10.00 Lecture "Coeliac disease"	Practical classes*	
6		Practical classes*	Practical classes*					Practical classes*	Practical classes*					Practical classes*
7		Practical classes*	Practical classes*					Practical classes*	Practical classes*					Practical classes*
8		Practical classes*	Practical classes*					Practical classes*	Practical classes*					Practical classes*

Notes:

*- topics' names for practical session depends on the cycle.

5.2.2. BSMU

Table 1. TAME schedule for 6th year students in autumn semester 2016/2017 at the Department of Pediatrics and Pediatric Infectious Diseases (branch and linear cases)

Date	TAME tutors	Name of case
21.11.2016	8:30 – 11:30 (branch) 1.1 Galyna Bilyk(1 room) 1.2 Sergiy Sajin (2 room) 1.3 Natalia Bogutska (3 room) 1.4 Tetiana Bilous (4 room)	Jack Horner / Evgen Gorin (session 1)

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	<u>12:00 – 15:00 (linear)</u> 2.1 Svitlana Tarnavska (1 room) 2.2 Mykola Garas (2 room) 2.3 Olga Shachova (3 room) 2.4 Victoria Chilchevska (4 room)	
23.11.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Galyna Bilyk(1 room) 1.2 Sergiy Sajin (2 room) 1.3 Natalia Bogutska (3 room) 1.4 Tetiana Bilous (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Svitlana Tarnavska (1 room) 2.2 Mykola Garas (2 room) 2.3 Olga Shachova (3 room) 2.4 Victoria Chilchevska (4 room)	Jack Horner / Evgen Gorin (session 2)
28.11.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Galyna Bilyk(1 room) 1.2 Mykola Garas (2 room) 1.3 Natalia Bogutska (3 room) 1.4 Victoria Chilchevska (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Svitlana Tarnavska (1 room) 2.2 Sergiy Sajin (2 room) 2.3 Olga Shachova (3 room) 2.4 Uliana Marusyk (4 room)	Bella (session 1)
30.11.2016	<u>8:30 – 11:30 (branch)</u> 1.1Galyna Bilyk(1 room) 1.2Mykola Garas (2 room) 1.3Natalia Bogutska (3 room) 1.4Victoria Chilchevska (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Svitlana Tarnavska (1 room) 2.2 Sergiy Sajin (2 room) 2.3 Olga Shachova (3 room) 2.4 Uliana Marusyk (4 room)	Bella (session 2)
05.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Olga Shachova (1 room) 1.2 Natalia Bogutska (2 room) 1.3 Svitlana Tarnavska (3 room) 1.4 Victoria Chilchevska (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Galyna Bilyk(1 room)	Rorry Gallagher / Roman Golovko (session 1)

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	2.2 Uliana Marusyk (2 room) 2.3 Olena Vlasova (3 room) 2.4 Svitlana Tarnavska (4 room)	
07.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Olga Shachova (1 room) 1.2 Natalia Bogutska (2 room) 1.3 Svitlana Tarnavska (3 room) 1.4 Victoria Chilchevska (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Galyna Bilyk (1 room) 2.2 Uliana Marusyk (2 room) 2.3 Olena Vlasova (3 room) 2.4 Svitlana Tarnavska (4 room)	RorryGallagher / Roman Golovko (session 2)
12.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Mykola Garas (1 room) 1.2 Tetiana Bilous (2 room) 1.3 Galyna Bilyk κ (3 room) 1.4 Sergiy Sajin (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Svitlana Tarnavska (1 room) 2.2 Uliana Marusyk (2 room) 2.3 Olena Vlasova (3 room) 2.4 Olga Shachova (4 room)	Dominic Barton/ Dmytro Bodnar (session 1)
14.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Mykola Garas (1 room) 1.2 Tetiana Bilous (2 room) 1.3 Galyna Bilyk κ (3 room) 1.4 Sergiy Sajin (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Svitlana Tarnavska (1 room) 2.2 Uliana Marusyk (2 room) 2.3 Olena Vlasova (3 room) 2.4 Olga Shachova (4 room)	Dominic Barton/ Dmytro Bodnar (session 2)
19.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Natalia Bogutska (1 room) 1.2 Tetiana Bilous (2 room) 1.3 Svitlana Tarnavska (3 room) 1.4 Victoria Chilchevska (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Olga Shachova (1 room) 2.2 Galyna Bilyk (2 room) 2.3 Mykola Garas (3 room) 2.4 Uliana Marusyk (4 room)	Charlie / Maria Berla (session 1)

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21.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Natalia Bogutska (1 room) 1.2 Tetiana Bilous (2 room) 1.3 Svitlana Tarnavska (3 room) 1.4 Victoria Chilchevska (4room) <u>12:00 – 15:00 (linear)</u> 2.1 Olga Shachova (1 room) 2.2 Galyna Bilyk (2 room) 2.3 Mykola Garas (3 room) 2.4 Uliana Marusyk (4room)	Charlie / Maria Berla (session 2)
26.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Natalia Bogutska (1 room) 1.2 Mykola Garas (2 room) 1.3 Svitlana Tarnavska (3 room) 1.4 Tetiana Bilous (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Olga Shachova (1 room) 2.2 Galyna Bilyk (2 room) 2.3 Sergiy Sajin (3 room) 2.4 Victoria Chilchevska (4 room)	Davina / Daryna (session 1)
28.12.2016	<u>8:30 – 11:30 (branch)</u> 1.1 Natalia Bogutska (1 room) 1.2 Mykola Garas (2 room) 1.3 Svitlana Tarnavska (3 room) 1.4 Tetiana Bilous (4 room) <u>12:00 – 15:00 (linear)</u> 2.1 Olga Shachova (1 room) 2.2 Galyna Bilyk (2 room) 2.3 Sergiy Sajin (3 room) 2.4 Victoria Chilchevska (4 room)	Davina / Daryna (session 2)

5.2. Vietnam

5.2.1. HMU

Time		Case	Room 501 5 th floor - A7 building		Room 501.2 5 th floor - A7 building		Room 502 5 th floor - A7 building		Room 504 5 th floor - A7 building	
			Group	Tutor	Group	Tutor	Group	Tutor	Group	Tutor
12/12/2016	7.30-9.30	Case 1 Branch	Group 1	Dr.Vâ	Group 2	Dr.	Group 3	Dr.	Group 4	Dr.

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	9.45-11.30	Case 1 Linear	Group 5	n C	Group 6	Dung	Group 7	Hương B	Group 8	Hương C
14/12/2016	7.30-9.30	Case 1 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 1 Linear	Group 5		Group 6		Group 7		Group 8	
15/12/2016	7.30-9.30	Case 2 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 2 Linear	Group 5	Dr. Lâm	Group 6	Dr. Nga B	Group 7	Dr. Phượn g	Group 8	Dr. Lan Anh
16/12/2016	7.30-9.30	Case 2 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 2 Linear	Group 5		Group 6		Group 7		Group 8	
19/12/2016	7.30-9.30	Case 3 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 3 Linear	Group 5	Dr. Quý	Group 6	Dr. Phượn g	Group 7	Dr. Quỳnh	Group 8	Dr. Mai B
21/12/2016	7.30-9.30	Case 3 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 3 Linear	Group 5		Group 6		Group 7		Group 8	
22/12/2016	7.30-9.30	Case 4 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 4 Linear	Group 5	Dr. Hà B	Group 6	Dr. Lan Anh	Group 7	Dr. Nga B	Group 8	Dr. Phượn g
23/12/2016	7.30-9.30	Case 4 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 4 Linear	Group 5		Group 6		Group 7		Group 8	

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26/12/2016	7.30-9.30	Case 5 Branch	Group 1	Dr. Lâm	Group 2	Dr. Vân C	Group 3	Dr. Dung	Group 4	Dr. Quỳnh
	9.45-11.30	Case 5 Linear	Group 5		Group 6		Group 7		Group 8	
28/12/2016	7.30-9.30	Case 5 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 5 Linear	Group 5	Group 6	Group 7	Group 8				
29/12/2016	7.30-9.30	Case 6 Branch	Group 1	Dr. Phươg ng	Group 2	Dr. Hà B	Group 3	Dr. Quý	Group 4	Dr. Mai B
	9.45-11.30	Case 6 Linear	Group 5		Group 6		Group 7		Group 8	
30/12/2016	7.30-9.30	Case 6 Branch	Group 1		Group 2		Group 3		Group 4	
	9.45-11.30	Case 6 Linear	Group 5	Group 6	Group 7	Group 8				

5.2.2. HueUMP

Week 1	From: 13/02/2017 To 18/02/2017			
Time	Wednesday (15/2/2017)	Thursday (16/2/2017)	Friday (17/2/2017)	
13:30-15:30	M1 Branch case 1 (Session 1) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Truong Thi Linh Giang (Dept. Obstetrics and Gynaecology)	N1 Linear case 1 (Session 1) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Truong Thi Linh Giang (Dept. Obstetrics and Gynaecology)	M1 Branch case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Truong Thi Linh Giang (Dept. Obstetrics and Gynaecology)	
	M2 Branch case 2 (Session 1) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Le Van Chi (Dept. Internal Medicine)	N2 Linear case 4 (Session 1) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics) Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)	M2 Branch case 2 (Session 2) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Le Van Chi (Dept. Internal Medicine)	

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15:30-17:30	M3 Branch case 3 (Session 1) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Nguyen Doan Van Phu (Dept. Surgery)	N3 Linear case 3 (Session 1) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Phan Dinh Tuan Dung (Dept. Surgery)	M3 Branch case 3 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Phan Dinh Tuan Dung (Dept. Surgery)
	M4 Branch case 5 (Session 1) LAB3B A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)	N4 Linear case 5 (Session 1) LAB3B A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)	M4 Branch case 5 (Session 2) LAB3B A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)

Week 2	From: 20/02/2017 To: 25/02/2017		
Time	Monday (20/2/2017)	Friday (24/2/2017)	Saturday (25/2/2017)
13:30-15:30	N1 Linear case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Truong Thi Linh Giang (Dept. Obstetrics and Gynaecology)	M1 Branch case 3 (Session 1) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Nguyen Doan Van Phu (Dept. Surgery)	M1 Branch case 3 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Nguyen Doan Van Phu (Dept. Surgery)
	N2 Linear case 4 (Session 2) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics) Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)	M2 Branch case 4 (Session 1) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics) Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)	M2 Branch case 4 (Session 2) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics) Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)
15:30-17:30	N3 Linear case 3 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Nguyen Doan Van Phu (Dept. Surgery)	M3 Branch case 2 (Session 1) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Le Van Chi (Dept. Internal Medicine)	M3 Branch case 2 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics) Dr. Le Van Chi (Dept. Internal Medicine)
	N4 Linear case 5 (Session 2) LAB3B A/Prof. Ton Nu Van Anh (Dept. Pediatrics) Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)	M4 Branch case 6 (Session 1) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics) Dr. Le Minh Tan (Dept. Internal Medicine)	M4 Branch case 6 (Session 2) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics) Dr. Le Minh Tan (Dept. Internal Medicine)

WEEK 3	From: 27/02/2017 To: 04/03/2017	
Time	Friday (03/03/2017)	Saturday (04/03/2017)

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7:00-9:00		N2 Linear case 5 (Session 1) LAB3B Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
9:00-11:00		N3 Linear case 5 (Session 1) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
13:30-15:30	M1 Branch case 6 (Session 1) LAB3 Dr. Le Minh Tan (Dept. Internal Medicine)	N1 Linear case 3 (Session 1) LAB3B Dr. Phan Dinh Tuan Dung (Dept. Surgery)
	M2 Branch case 3 (Session 1) LAB3B Dr. Phan Dinh Tuan Dung (Dept. Surgery)	
15:30-17:30	M3 Branch case 6 (Session 1) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	N4 Linear case 3 (Session 1) LAB3B Dr. Phan Dinh Tuan Dung (Dept. Surgery)
	M4 Branch case 3 (Session 1) LAB3B Dr. Nguyen Doan Van Phu (Dept. Surgery)	

WEEK 4	From: 06/03/2017 To: 11/03/2017		
Time	Monday (6/3/2017)	Friday (10/03/2017)	Saturday (11/03/2017)
7h00-9h00			N1 Linear case 6 (Session 1) LAB3 Dr. Le Minh Tan (Dept. Internal Medicine)
			N2 Linear case 2 (Session 1) LAB3B Dr. Le Van Chi (Dept. Internal Medicine)
9h00-11h00			N3 Linear case 2 (Session 1) LAB3 Dr. Le Van Chi (Dept. Internal Medicine)
			N4 Linear case 6 (Session 1) LAB3B Dr. Le Minh Tan (Dept. Internal Medicine)
13:30-15:30	N1 Linear case 3 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)	M1 Branch case 6 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	N2 Linear case 5 (Session 2) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
		M2 Branch case 3 (Session 2) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics)	

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15:30-17:30	N4 Linear case 3 (Session 2) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics)	M3 Branch case 6 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	N3 Linear case 5 (Session 2) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
		M4 Branch case 3 (Session 2) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics)	

WEEK 5	From: 13/03/2017 To: 18/03/2017		
Time	Monday (13/3/2017)	Friday (17/03/2017)	Saturday (18/03/2017)
7h00-9h00			N1 Linear case 4 (Session 1) LAB3 Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)
			N2 Linear case 6 (Session 1) LAB3B Dr. Le Minh Tan (Dept. Internal Medicine)
9h00-11h00			N3 Linear case 6 (Session 1) LAB3 Dr. Le Minh Tan (Dept. Internal Medicine)
			N4 Linear case 4 (Session 1) LAB3B Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)
13:30-15:30	N1 Linear case 6 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	M1 Branch case 4 (Session 1) LAB3 Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)	N2 Linear case 2 (Session 2) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics)
		M2 Branch case 6 (Session 1) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	M3 Branch case 4 (Session 1) LAB3 Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)
15:30-17:30	N4 Linear case 6 (Session 2) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	M4 Branch case 4 (Session 1) LAB3B Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)	M2 Branch case 6 (Session 2) LAB3B Dr. Le Minh Tan (Dept. Internal Medicine)
			N3 Linear case 2 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)

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WEEK 6	From: 20/03/2017 To: 25/03/2017		
Time	Monday (20/3/2017)	Friday (24/03/2017)	Saturday (25/03/2017)
7:00-9:00			N1 Linear case 2 (Session 1) LAB3 Dr. Le Van Chi (Dept. Internal Medicine)
			N2 Linear case 3 (Session 1) LAB3B Dr. Nguyen Doan Van Phu (Dept. Surgery)
9:00-11:00			N3 Linear case 4 (Session 1) LAB3 Dr. Nguyen Hoang Long (Dept. Obstetrics and Gynaecology)
			N4 Linear case 2 (Session 1) LAB3B Dr. Le Van Chi (Dept. Internal Medicine)
13:30-15:30	N1 Linear case 4 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)		M1 Branch case 5 (Session 1) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
			M2 Branch case 5 (Session 2) LAB3B A/Prof. Ton Nu Van Anh (Dept. Pediatrics)
15:30-17:30	N4 Linear case 4 (Session 2) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	M3 Branch case 4 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	M4 Branch case 4 (Session 2) LAB3B Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)
		M2 Branch case 5 (Session 1) LAB3B Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)	

WEEK 7	From: 27/03/2017 To: 1/04/2017		
Time	Monday (27/3/2017)	Friday (31/03/2017)	Saturday (1/04/2017)
13:30-15:30	N2 Linear case 3 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)	M4 Branch case 2 (Session 1) LAB3 Dr. Le Van Chi (Dept. Internal Medicine)	M1 Branch case 2 (Session 1) LAB3 Dr. Le Van Chi (Dept. Internal Medicine)
15:30-17:30		M1 Branch case 4 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	

WEEK 8	From: 03/04/2017 To: 08/04/2017	
Time	Monday (03/04/2017)	Saturday (08/04/2017)
7:00-9:00		N1 Linear case 5 (Session 1) LAB3

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		Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
9:00-11:00		M3 Branch case 5 (Session 1) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)
13:30-15:30	N1 Linear case 2 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)	N2 Linear case 1 (Session 1) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)
15:30-17:30	N4 Linear case 2 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)	N3 Linear case 1 (Session 1) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)

WEEK 9	From: 10/04/2017 To: 15/04/2017		
Time	Monday (10/04/2017)	Thursday (13/04/2017)	Saturday (15/04/2017)
13:30-15:30	M1 Branch case 5 (Session 2) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)	M3 Branch case 5 (Session 2) LAB3 Dr. Tran Thi Phuoc Yen (Dept. Internal Medicine)	M1 Branch case 2 (Session 2) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)
		M4 Branch case 2 (Session 2) LAB3B Dr. Ho Ly Minh Tien (Dept. Pediatrics)	
15:30-17:30	N3 Linear case 4 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	N4 Linear case 1 (Session 1) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)	M3 Branch case 1 (Session 1) LAB3 Dr. Ho Ly Minh Tien (Dept. Pediatrics)

WEEK 10	From: 17/04/2017 To: 22/04/2017	
Time	Monday (17/04/2017)	Thursday (20/04/2017)
7:00-9:00	N2 Linear case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)	M4 Branch case 1 (Session 1) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)
9:00-11:00	N3 Linear case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)	
13:30-15:30	M2 Branch case 1 (Session 1) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)	N4 Linear case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)
15:30-17:30	N2 Linear case 6 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)	M3 Branch case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)
	N1 Linear case 5 (Session 2) LAB3B A/Prof. Ton Nu Van Anh (Dept. Pediatrics)	N3 Linear case 6 (Session 2) LAB3 Dr. Nguyen Huu Chau Duc (Dept. Pediatrics)

WEEK 11	From: 24/04/2017 To: 29/04/2017	
Time	Wednesday (26/04/2017)	
13:30-15:30	M2 Branch case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)	
15:30-17:30	M4 Branch case 1 (Session 2) LAB3 A/Prof. Ton Nu Van Anh (Dept. Pediatrics)	

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