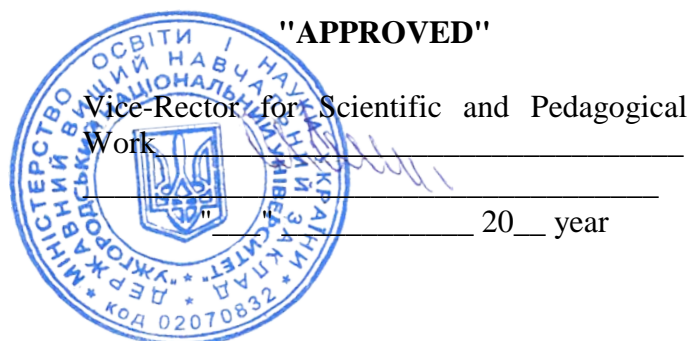


Ministry of Education and Science of Ukraine
State Higher Educational Institution
"Uzhhorod National University"
Medical Faculty

(Full name of university)

Department of Obstetrics and Gynecology



SYLLABUS OF THE EDUCATIONAL DISCIPLINE

2221.2 "Obstetrics"

(Code number and name of the course)

field of study 1101 "Medicine"

(Code number and name the field of study)

speciality 71101 01 "Medical Care"

(Code number and name the specialty)

specialization _____

(Name of specialization)

Institute, faculty, department of medical Medical Faculty

(Name of institution, faculty, department)

Syllabus of the "Obstetrics" for the Students of V year

(Name of the course)

field of study ___ 1101 "Medicine" ____, specialty 7.110101 "Medical Care".
2014___ August ___ "_30_", 18 pages.

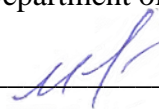
Elaborated by: V.A. Malyar, Doctor of Sciences (Medicine), Professor, Head of Obstetrics and Gynecology Department; V.V. Malyar, Associate Professor, Ph.D. lecturer; Translated by T.M. Kachala, Senior Laboratory Assistant of Department of Obstetrics and Gynecology.

(Indicate the authors, their positions, academic degrees and titles)

Syllabus approved at the meeting of Obstetrics and Gynecology department

The protocol of 2014 ___August ___ "_30_"; № _ 1 _

Head of Department of Obstetrics and Gynecology

(Signature) 

(Prof. Malyar VA)
(Surname and initials)

2014 ___August___ "_30_"

It is approved by the Methodological Committee of the higher educational establishment
(specialty)_____7.110101 «Medical Care» _____

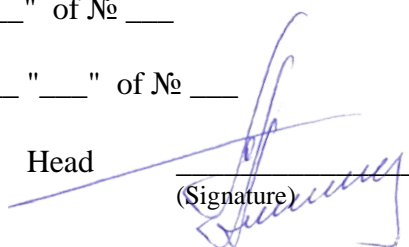
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Protocol of 20__ _____ " __ " of № ____

The protocol of 20__ _____ " __ " of № ____

20__ _____ " __ "

Head

(Signature) 

(__ . __ _ Prof. Torohtin AM)
(Surname and initials)

_____, Year 20__

_____, Year 20__

1. Description of the course

Index name	field of study	Characteristics of the course	
		full-time	part-time
Credits - 4,5	Discipline 2221.2 __ spetsialist_ (Code name)	Normative (optional)	
	field of study _ 1101 "Medicine" __ (Code name)	daily	regulatory
Modules - 2	Speciality: _7.110101 "Medical Care" _	Year of training:	
Content module - 5		5th	-th
Individual research task: _writing the educational history of the disease_ (Title)		Semester	
Total number of hours - 90		9 th	-th
Weekly hours for full-time study: classroom - 40 independent work - 25	Educational qualification: specialist	Lectures	
		20 hours.	-h.
		Practical classes, seminars	
		70 hours.	-h.
		Laboratory work	
		-h.	-h.
		Independent work	
		22 hours.	-h.
		Individual tasks: 3 hours.	
Type of control: current and final module control			

Note:

The ratio of hours of lectures and seminars to individual work is:
for full-time education - 95/45 (66,6% / 33,4%)

2. The purpose and objectives of the course

The purpose of the discipline "Obstetrics and Gynecology" is based on educational objectives set in the education and professional program (EPP) and educational qualification and characterization (EQC).

The objectives of the discipline "Obstetrics and Gynecology":

- to plan the tactics of pregnancy, physiological birth and the postpartum period;
- to make the provisional diagnosis of pregnancy, delivery and the postpartum complications;
- to interpret clinical anatomy and physiology of female genital organs.
- to make the preliminary diagnosis of basic gynecological diseases, plan patient examination and management.
- to determine the etiologic and pathogenetic factors of major diseases of the female reproductive system.
- to perform the necessary medical manipulations.
- to plan and provide the first aid in emergency conditions and the urgent states in obstetrics and gynecology.

As a result a student **must know:**

I .Syndromes and symptoms:

1. Anemia
2. hypertension
3. arterial hypotension
4. chest pain.
5. pain in the heart area
6. abdominal pain
7. pain in the limbs and back.
8. pain in the perineum
9. Bipolar Affective Disorder
10. bronchial obstruction syndrome
11. effusion in the pleural cavity
12. hallucinatory-paranoid syndrome.
13. fever
14. hemorrhagic syndrome.
15. generalized or local rash
16. hepatomegaly and hepatolienal syndrome
17. Headache

18. dysmenorrhea.
19. dysphagia
20. jaundice
21. dyspnea
22. stuffiness and asphyxia
23. dizziness
24. constipation
25. cardiomegaly
26. cough
27. intestinal dyspepsia
28. hemoptysis
29. lymphadenopathy
30. meningeal syndrome
31. metrorrhagical syndrome
32. edematous syndrome
33. nephrotic syndrome
34. paresis, paralysis.
35. portal hypertension.
36. cardiac arrhythmias.
37. disorders of consciousness.
38. urinary syndrome
39. the syndrome of dementia
40. disseminated intravascular coagulation (DIC) syndrome
41. ekzykotic syndrome
42. maldigestive syndrome
43. articular syndrome
44. cramps
45. growing thin
46. cyanosis diffuse
47. cyanosis local
48. partial or complete loss of vision
49. partial or total hearing loss
50. gastric dyspepsia
51. gastrointestinal bleeding.

II. The pathology of pregnancy, delivery, puerperium and gynecological diseases.

A. The Pathology of Pregnancy

1. multiple pregnancy
2. intrauterine fetal hypoxia
3. gestosis.
4. isoimmunological conflict during pregnancy.
5. bleeding in early pregnancy
6. premature and post-term pregnancy
7. pregnancy with extragenital pathology
8. placenta previa
9. premature separation of the normally situated placenta
10. ectopic pregnancy
11. fetoplacental insufficiency

B. The Pathology of Delivery

1. anomaly of labour forces
2. anomaly of pelvis
3. acute fetal hypoxia
4. hemorrhage in delivery
5. abnormal presentation of the fetus
6. injuries to the uterus and birth canal

C. The Pathology of Puerperium

1. puerperal sepsis
2. puerperal hemorrhage

D. Gynecological Diseases

1. infertility
2. congenital malformations of female genital mutilation
3. benign tumors of the uterus, ovaries
4. endometriosis
5. pelvic inflammatory disease (salpingitis, endometritis, salpingoophoritis, pelvioperitonitis, cervicitis)
6. malignant tumors of the uterus, ovaries

7. neuroendocrine syndromes
8. menstrual cycle disorders

be able to:

1. Make the preliminary diagnosis of major gynecological diseases, plan patient examination and management PP.044
2. Determine etiologic and pathogenetic factors of major diseases of the female reproductive system PP.049.
3. Determine the factors that influence the planning of the families and to develop measures for rational family planning. PP.054.
4. Perform the necessary medical manipulations. PP.055.
5. Plan and provide first aid in emergency conditions in obstetrics and gynecology PP.76.
6. Make the provisional diagnosis of pregnancy, delivery and the postpartum complications. PP.018.
7. Plan pregnancy, the normal delivery and postpartum tactics. PP.014.
8. Interpret the clinical anatomy of the female genitalia and the physiology of the female reproductive system. PP.032.

3. The program of the course

Module 2. The pathological pregnancy, childbirth and the puerperium

The content of module 3. Pathological pregnancy, childbirth and the puerperium:

Theme 12. Early gestosis. Hypertensive disorders in pregnancy. Preeclampsia. Eclampsia.

Theme 13. Incomplete pregnancy. Miscarriage.

Theme 14. The prolongation of pregnancy. Abnormal uterine contractile activity.

Theme 15. Pregnancy and childbirth at extragenital diseases.

Theme 16. Obstetrical hemorrhage at the first trimester of pregnancy. Ectopic pregnancy. Obstetric hemorrhage at the second half of pregnancy, in delivery and puerperium. Intensive aid for bleeding, reanimation in obstetrics.

Theme 17. Obstetric surgery. Maternity injuries.

Theme 18. Postpartum septic disease.

Individual work

Final control

Total for module 2													
Total hours													
Module 2													
INW (individual work)			-	-	3	-				-	-	-	
The final module control			2			5							
Total hours	60	10	30		3	17							

5. The themes of seminars

According to the curriculum workshops are not provided.

6. The themes of lectures

Module 2. The pathology of pregnancy, delivery and the puerperium

N	Theme	Hours
1	Early gestosis. Hypertensive disorders in pregnancy. Preeclampsia. Eclampsia.	2
2	Incomplete pregnancy. Miscarriage.	2
3	Obstetrical hemorrhage at the first trimester of pregnancy. Ectopic pregnancy. Obstetric hemorrhage at the second half of pregnancy, in delivery and puerperium. Intensive aid for bleeding, reanimation in obstetrics.	2
4	Obstetric surgery. Maternity injuries.	2
5	Postpartum septic disease.	2
	Total	10

7. The themes of practical training

Module 1. The pathology of pregnancy, delivery and puerperium

N	Theme	Amount of hours
1	Early gestosis. Hypertensive disorders in pregnancy. Preeclampsia. Eclampsia.	4
2	Incomplete pregnancy. Miscarriage.	4
3	Prolongation of pregnancy. Abnormal uterine contractile activity.	4
4	Pregnancy and delivery at extragenital diseases.	4
5	Obstetrical hemorrhage at the first trimester of pregnancy. Ectopic pregnancy. Obstetric hemorrhage in the latter half of pregnancy, in delivery and puerperium. Intensive aid for bleeding, reanimation in obstetrics.	4
6	Obstetric surgery. Maternity injuries.	4
7	Postpartum septic disease.	4
8	The final module control module 2	2
	Total	30

8. The themes of laboratory classes

According to the curriculum laboratory classes are not provided.

9. Individual work

N	Theme	Hours
	<u>Module 2</u>	
1	Preparation for workshops	12
2	Individual work of independent students (writing the educational history of the disease).	3
3	Preparation for final module control	5
	Total	20
	<u>Module 3</u>	

1	Preparation for seminars	8
2	Work on the not included in the plan themes: 1) The neuroendocrine pathology in gynecology. Modern methods of diagnostics and treatment; 2) Basic principles and techniques of minimally invasive surgical technologies in gynecological practice; 3) Principles and methods of anesthesiology and reanimation during gynecological operations; 4) Modern aspects of contraception.	2 2 2 1
3	Individual work of independent students (patients curation and writing the educational history of the disease)	5
	Total	20

10. Individual tasks

The form of training is aimed at extending and consolidating the knowledge, students acquire in the educational process. It can be used in the fulfilling individual tasks: preparing essays, analytical reviews, algorithms of pregnant and delivery patients care in obstetric and extragenital pathology as well as gynecological diseases. Students can apply their knowledge in practice when writing the educational history of the delivery and gynecological diseases.

11. Teaching Methods

According to the curriculum the department uses the following teaching methods: lectures, workshops, individual work.

Lectures. The preferred lectures are: problematic, synoptic, conceptual and analytical. A lecture is a process in which the students are provided with information, motivational components and generally oriented phases for mastering the scientific theme/topic. The purpose of lectures is to increase the quality of independent work.

Practical classes for credit-module system of educational process held in rotation mode modules clinical disciplines. The duration of practical classes is at least 4 hours. According to the method of organizations they are clinical, designed to control the mastering of theoretical material and the formation of practical skills and abilities; as well as to analyze and apply students' knowledge to solve practical problems.

They include:

- History examination;
- Inspection of pregnant or gynecological patients;
- Planning the examination of pregnant or gynecological patients;
- Interpretation of data from laboratory and instrumental studies;
- Differential diagnosis of the most common complications of pregnancy and gynecological diseases;
- Determination of the previous clinical diagnosis;
- _Determination of tactics of pregnant, delivery and therapy gynecological patients care;
- Providing emergency medical care;
- Solving situational problems;
- Practical skills on mannequins or waxworks and near bedside pregnant or gynecological patients;
- Maintenance of medical documentations.

The comprehension the theme is controlled at workshops to meet the specific purposes: to plan the tactics of pregnancy, physiological birth and the postpartum period; make the preliminary diagnosis of pregnancy, delivery and the puerperium complications; to interpret the clinical anatomy and physiology of female genitals; make the preliminary diagnosis of the main gynecological diseases, plan patient examination and management; determine the etiologic and pathogenetic factors of the main diseases of the female reproductive system; identify the factors that affect family planning and develop the measures for rational family planning; perform the necessary medical procedures; plan and provide the first aid in emergency conditions in obstetrics and gynecology.

The list of criteria for obstetric care is governed by the Protocols and the Order of the Ministry of Health of Ukraine, specialty "Obstetrics and Gynecology".

Students' individual work - one of organizational learning, regulated by the curriculum and student self-performed outside of classes. Possible types of independent work: preparation for practical classes and the study of topics that are considered only in terms of individual work; curation of pregnant or gynecological patients and writing the histories of their diseases; study of additional literature, algorithms, structure, logic, writing essays, summaries; the of reports on practical classes, duties in clinics as extracurricular activities. To organize independent work in the offices, obstetric or gynecological hospital should be provided with the lecturers.

12. Methods of control

Types of control are: tests, clinical situational tasks, and the control of practical skills. Forms of control and the evaluation system shall be in accordance with the requirements of the discipline and the instructions of the system of evaluation based on credit-module system of educational process, approved by the Ministry of Health of Ukraine (2005), with the appropriate modifications of 2008.01.21, №08.01-22/65.

The module mark is defined as the sum of points for the current educational activities and the points for the final module control, which is proposed in the assessment of theoretical knowledge and practical skills in accordance with the lists defined by the syllabus of the discipline.

The maximum number of points that students obtain in the module (test credit) - 200, including current educational activity - 120 points (60%), the results of the final module control - 80 points (40%).

Current control is performed on each class according to the specifics of each theme. While assessing the majority of students standard methods of control should be preferred such as: testing, structured written work, a structured procedure for the control of practical skills in conditions that are close to reality. The evaluation of students' current educational activity is described above.

Upon mastering each theme the estimated marks of the 4 traditional scales are converted into points depending on the number of themes in the module.

The scheme of converting the traditional grading system into points: traditional evaluation "5" corresponds to the maximum number of points a student can get during a practical lesson. Estimates of "4" and "3" are in points, respectively 80% and 60% of the maximum score.

The maximum number of points that a student can get during the module is 120. It is the result of multiplying the number of points that corresponds to "5" by the number of theme in the module adding the marks for the individual independent work.

The minimum number of points that a student can get in the module is calculated by multiplying the number of points that corresponds to "3" by the number of themes in the module.

The evaluation of individual work is described in the relevant modules. Points for individual work are added to the amount of points gained by the student for his/her current educational activity.

In the study modules 1 and 3 the syllabus provides patient curation, the writing and defense of educational histories. The supervision of pregnant or gynecological patients and writing the history is done during the time allotted for individual students' work at the department. History defense is conducted during the practical classes. Traditional history points are awarded according to the corresponding module.

The evaluation of students' independent work: their preparation for practical exercises is performed during routine control, relevant to the theme of the class.

The comprehension of themes which are considered only as independent work and not included into the list of themes for practical classes are supervised and evaluated during the final testing.

The final module control is carried out upon the completion of all the themes at the last class of the module.

By the final control students who attended all the classes under the program for classroom sessions, and the study module scored score not less than the minimum.

The forms of the final module control are standardized and include the control of theoretical and practical skills.

The maximum number of point's for the final module control is 80.

Final module control is passed if the student scored at least 50 points.

The evaluation of the disciplines: assessment in obstetrics and gynecology is exposed only to students who have completed all the modules of the discipline.

The evaluation of the discipline is set as the average points for all modules of the discipline "Obstetrics and Gynecology".

13. The distribution of points

Routine testing and independent work (Module 2)									Total for module 2
Content module 3									
T1	T2	T3	T4	T5	T6	T7	IS	FMC	200
16	16	16	16	16	16	16	8	80	

Note: T1, T2, ... T7 - theme content modules; IS - Individual Students; FMC - final module control. Upon mastering the themes in the traditional system, marks "5" - 16 points "4" - 13 points, "3" - 10 points, "2" - 0 points. Individual CPC - 8 points. The maximum number of points for the student's current educational activity is 120. A student is admitted to the final module control, subject to the requirements of the curriculum, if he scored at least 72 points at the workshops (7x10). The final module control is credited if a student scored at least 50 out of 80 points.

Grading scale: national and ECTS

Total points for all the educational activities	Assessment ECTS	Evaluation on the national scale	
		for examination, course project (work) practice	credit test
180 - 200	A	excellent	Passed
164 - 179	B	good	
148 - 163	C		
128 - 147	D	satisfactory	
120 - 127	E		
70 - 119	FX	unsatisfactory with the possibility of re-taking	not reckoned with the possibility of re-taking
0 - 69	F	unsatisfactorily with obligatory repeated study of the discipline	not credited with a mandatory re-learning courses

Note: The total points for all kinds of academic performance are based on the medical faculty dean order № 11/08-04 on October 16, year 2012.

**The implementation of the course project - Module 2
(writing the educational history of the disease)**

Algorithm	Imaging	Defense	Sum
up to 2	up to 2	up to 4	up to 8

14. Methodological materials

I. Materials for the preparatory phase control classes:

A. Theoretical issues;

B. Achievement tests with a clear focus on mastering a certain level (I, II, III, IV level)

C. Typical standard problem (II level):

II. Materials to the methodological support of the basic stage of employment:

1. Educational objectives:

- Typical standard (level II)

- Atypical elements of complexity (level III)

- Tasks with the maximum approach to medical practice (level III)

- Issues/problems of disputable and interdisciplinary context (level IV)

- Tasks oriented to the search for new/unknown action to be solved at different of problematic levels (level IV).

2. Professional algorithms (oriented maps) for the formation of practical skills, training objectives.

III. Materials for the final stage control:

1. diagnostic algorithms in the form of tasks;

2. Tests with a clear focus on II, III, IV levels of assimilation;

3. Educational objectives:

- With the elements of complexity (level III)

- Tasks with the maximum approach to medical practice (level III)
- Problems of with disputable and interdisciplinary context (level IV)
- Tasks oriented to the search for new/unknown action to be solved at different problematic levels (level IV).

IV. Methodological support for students pursuing self-education; oriented courses to independent work with educational literature.

15. Recommended Reading

Basic:

1. Obstetrics. Edited by Prof. I.B. Ventskivska, 2008; Kyiv: "Medicine", p. 412.
2. Gynecology. Edited by Prof. I.B. Ventskivska, 2008; Kyiv: Arts Medicine Publisher, p. 346.
3. Obstetrics: Handbook for medical interns / ed. VI introductory remarks. - Kharkov: Basis, 1996. - 608 p.
4. Pathological and operative obstetrics: a textbook / IB Nazarova, VB Samojlenko, NP Mushtenko, IG Shemybelyev; Ed. P. Baskakov. - K.: NE "Medicine", 2012. - 520 p.
5. Obstetrics: a textbook / BM Ventskivskyy, IB Ventskivska, DA Dobriansky, etc.; eds. prof. BM Ventskivskoho Sci. TK Stepankivskoyi Sci. NE Yarodskoho. - K.: NE "Medicine", 2012. - 648 p.
6. Obstetrics and Gynecology, tutorial 2 - volumes / VM Zaporozhan, MR Tsehelskyi, NM Rozhkovska - Odessa: Odessa. state. honey. University, 2005. - 472 p.
7. Bodyazhyna VI, Zhmakyn K., Kyryuschenkov AP Obstetrics. - M.: Kursk, 1995. - 496 p.
8. Y. Bohman Guide to onkohynekolohyy. - M.: Medicine, 1989. - 464 p.
9. Dadalova LN Nekotor s' Doing aspects miscarriage in women with zhenskoy consulting. // Obstetrics and hynekolohyya, 1991. - № 9.
10. Zazerskaya IV, Karpov OI, Tanakov AI and co-author. Directory obstetrician-hynekoloha. - SPb., 1998.
11. Zaporozhan VM, Tsehelskyi MR Obstetrics and Gynecology: a manual for medical interns in higher institutions III - IV c. Accreditation. - K.: health, 1996. - 240 p.
12. Karpov OI, Tanakov AI et al. Directory obstetrician-hynekoloha. - SPb., 1998.
13. Kyryuschenkov AP Effect vredn ыh factors on fetus. - M., 1978.
14. A. Kravchenko et al. Miscarriage / Instructor's Manual. - Chernivtsi, 1998.
15. Mihaylenko OT, Bagel-Dornyak GM s' situational problem in obstetrics. - K.: High School, 1987.
16. Gynecology ed. VI introductory remarks - Kharkov: Basis, 1996. - 728 p.
17. STATUS Neotlozhnye in obstetrics and hynekolohyy / Galina Konstantynovna Stepankovskaya (ed.). - K.: health, 2000. - 672 p.
18. Grishchenko VI and co-author. Pregnancy and delivery Tychenye at ekstrakhenyталных

diseases. - Kharkov, 1992. - 190 p.

19. Rembez NN OPERATIONAL hynekolohyya. - K .: health, 1985. - 256 p.

Additional:

1. Mihaylenko OT, Bagel-Dornyak GM Fyzyolohycheskoe obstetrics. - K. High School. Goal. Publishing House, 1982. - 368 p.
2. Moyr DD Obezbohyvanye delivery: Translation with Eng. - M. 1985.
3. Parashchuk S. Besplodye in marriage. - K .: health, 1994. - 202 p.
4. Perth ianinov LS obstetric seminar. - In 2 v. - Tashkent, 1973.
5. Serov VN, Strizhakov A., S. Markin Praktycheskoe obstetrics. - M. 1989.
6. Stepankivska GK, Mihaylenko OT Obstetrics. - K .: health, 1999. - 600 p.
7. Hops SV Gynecology: Textbook for medical students. - Stockholm: Ukrmedknyha - 2003.
8. Chernukha EA Rodovoy unit. - M .: "Triada-X", 1999. - 533 p.
9. MOH Ukraine of 29.12.2003 № 620 g. "On the organization of inpatient obstetric and neonatal care in Ukraine."
10. MOH Ukraine of 28.12.2002 № 503 g. "On Improving outpatient obstetric care in Ukraine."
11. MOH Ukraine of 15.12.2003 № 582 g. "On approval of clinical protocols for obstetric and gynecological care."
12. MOH Ukraine № 676 from 31.12.2004. "On approval of clinical protocols for obstetric and gynecological care."
13. MOH Ukraine of 29.12.2005 № 782 g. "On approval of clinical protocols for obstetric and gynecological care."
14. MOH Ukraine of 10.02.2003 № 59 g. "On improvement of measures to prevent nosocomial infections in maternity (obstetrical care)."
15. MOH Ukraine of 06.28.1994 № 111 g. "On approval of instructions on how to conduct operations abortion and the procedure of transaction abortion method vakuumaspiratsiyi."
16. MOH Ukraine № 641/84 of 31.12.2003. "On improvement of medical genetic care in Ukraine."
17. MOH Ukraine of 06.05.2003 № 194 p. "On the Approval of the" resuscitation of newborns 2003-2006 ".
18. MOH Ukraine of 04.08.2006 № 539 g. "On the organization of planning services the families and reproductive health in Ukraine I".
19. MOH Ukraine of 29.08.2006 № 584 g. "On approval of the Protocol of medical care for a newborn baby with a low birth weight."
20. MOH Ukraine № 899 from 27.12.2006. "On approval of the clinical protocol for obstetric care" breech fetus. ""
21. MOH Ukraine № 900 from 27.12.2006. "Fetal distress during pregnancy and during labour."
22. MOH Ukraine № 901 from 27.12.2006. "On approval of the clinical protocol for obstetric care" post-term pregnancy. ""
23. MOH Ukraine № 906 from 27.12.2006. "On approval of the clinical protocol for obstetric

care" Perinatal infection. "

24. MOH Ukraine of 14.11.2007 № 716 p. "Prevention of HIV transmission from mother to child."

25. MOH Ukraine of 08.06.2007 № 312 g. "Postresuscitation resuscitation and newborn care. "

26. MOH Ukraine of 03.11.2008 № 624 p. "Normal delivery. "

16. Internet Resources:

1. www.uzhnu.edu.ua - Information Package (E STC).
2. <http://www.moz.gov.ua> - Ministry healthcare Ukraine.
3. <http://medstandart.net/byspec/9> - Standards of medical care in Ukraine.