


ОҢТҮСТІК ҚАЗАҚСТАН MEDISINA AKADEMIASY		SOUTH KAZAKHSTAN MEDICAL ACADEMY
«Оңтүстік Қазақстан медицина академиясы» АҚ Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology Methodological recommendations for student independent work		АО «Ожно-Қазақстанская медицинская академия» 044- 1 page from 13

METHODOLOGICAL RECOMMENDATIONS FOR STUDENT'S INDEPENDENT WORK

Discipline Pharmacology

Code CFh 5301

OP6B10101 "General Medicine"


Amount of training hours/credits 120/4

Course 5

Semester 10

Independent work 80

2023-2024 academic year

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Methodological recommendations for student's independent work are developed in accordance with the syllabus and discussed at the department meeting

Protocol №. ____ from ____ . ____ 2023 y.

Head of the department of Candidate of Pharmaceutical Sciences, acting professor

Zh.S. Toxanbayeva

Topic #1: Rational pharmacotherapy pneumonia, acute and chronic

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Bronchitis.

2.Purpose:Familiarize yourself with the main drugs used for bronchitis and pneumonia.

3.Tasks:

- Rational pharmacotherapy of pneumonia and bronzitis
- An effective combination of antibacterial agents

4. Performance/assessment form (abstract, medical history). The SRO check is carried out during the SROP.

5. Criteria for fulfilling the SRO (requirements for completing the task):deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume

6. Deadlines:1 day

7. Literature:see Appendix No. 1

8. Control:Oral interview, abstract, case history (public defense).

Topic #2:Rational pharmacotherapyCOPD and bronchial asthma.

2.Purpose:Familiarize yourself with the main drugs used for COPD and bronchial asthma.

3.Tasks:

- Rational pharmacotherapy of bronchial asthma
- An effective combination of antibacterial agents for COPD

4. Performance/assessment form (abstract, medical history). The SRO check is carried out during the SROP.

5. Criteria for fulfilling the SRO (requirements for completing the task):deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume

6. Deadlines:Day 2

7. Literature:see Appendix No. 1

8. Control:Oral interview, abstract, case history (public defense).

Topic #3:Rational pharmacotherapyACS and arterial hypertension.

2.Purpose:Familiarize yourself with the main drugs used for ACS and arterial hypertension.

3.Tasks:

- Rational pharmacotherapy of ACS
- An effective combination of antihypertensive drugs for hypertension syndrome


4. Performance/assessment form (abstract, medical history). The SRO check is carried out during the SROP.

5. Criteria for fulfilling the SRO (requirements for completing the task):deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume

6. Deadlines:Day 3

7. Literature:see Appendix No. 1

8. Control:Oral interview, abstract, case history (public defense).

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Topic #4:Rational pharmacotherapyCRPS, gout, ARF

2.Purpose:Familiarize yourself with the main drugs used for

3.Tasks:

- Rational pharmacotherapy of CRHD
- An effective combination of antibacterial agents for ARF

4. Performance/assessment form (abstract, medical history). The SRO check is carried out during the SROP.

5. Criteria for fulfilling the SRO (requirements for completing the task):deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume

6. Deadlines:4 day

7. Literature:see Appendix No. 1

8. Control:Oral interview, abstract, medical history (public defense).

Topic No. 5: Line control-1

Target:Summarize the level of mastery of the topics covered

Assignments on the topic of the lesson:

Review topics from previous lessons.

Execution form:written survey, responses to tickets.

Performance criteria:responses to tickets, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified number

Due dates:5 day

Literature:see AttachmentNo. 1

Topic #6:Rational pharmacotherapygastritis, gastric ulcer, cholecystitis.

2.Purpose:Familiarize yourself with the main drugs used for gastritis and gastric ulcers, cholecystitis.

3.Tasks:

- Rational pharmacotherapy of gastritis
- An effective combination of drugs for gastric ulcers

4. Performance/assessment form (abstract, medical history). The SRO check is carried out during the SROP.

5. Criteria for fulfilling the SRO (requirements for completing the task):deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume

6. Deadlines:Day 6

7. Literature:see Appendix No. 1


8. Control:Oral interview, abstract, medical history (public defense).

Topic #7:Rational pharmacotherapypyelonephritis and glomerulonephritis

2.Purpose:Familiarize yourself with the main drugs used for pyelonephritis and glomerulonephritis.

3.Tasks:

- Rational pharmacotherapy of prielonephritis

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- An effective combination of drugs for glomerulonephritis
- 4. Performance/assessment form** (abstract, medical history). The SRO check is carried out during the SROP.
- 5. Criteria for fulfilling the SRO (requirements for completing the task):** deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume
- 6. Deadlines:** Day 7
- 7. Literature:** see Appendix No. 1
- 8. Control:** Oral interview, abstract, medical history (public defense).

Topic #8: Rational pharmacotherapy IDA, B-12 deficiency anemia and leukemia

2. Purpose: Familiarize yourself with the main drugs used for IDA and leukemia.

3. Tasks:

- Rational pharmacotherapy of chronic leukemia
- An effective combination of drugs for waiting
- 4. Performance/assessment form** (abstract, medical history). The SRO check is carried out during the SROP.
- 5. Criteria for fulfilling the SRO (requirements for completing the task):** deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume
- 6. Deadlines:** Day 8
- 7. Literature:** see Appendix No. 1
- 8. Control:** Oral interview, abstract, medical history (public defense).

Topic #9: Rational pharmacotherapy diabetes and obesity.

2. Purpose: Familiarize yourself with the main drugs used for diabetes and obesity.

3. Tasks:


- Rational pharmacotherapy of type 1 diabetes mellitus
- An effective combination of drugs for type 2 diabetes mellitus
- 4. Performance/assessment form** (abstract, medical history). The SRO check is carried out during the SROP.
- 5. Criteria for fulfilling the SRO (requirements for completing the task):** deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume
- 6. Deadlines:** Day 9
- 7. Literature:** see Appendix No. 1
- 8. Control:** Oral interview, abstract, medical history (public defense).

Topic #10: Rational pharmacotherapy hypo and hyperthyroidism.

2. Purpose: Familiarize yourself with the main drugs used for hypo and hyperthyroidism

3. Tasks:

- Rational pharmacotherapy of hypothyroidism
- An effective combination of drugs for hyperthyroidism
- 4. Performance/assessment form** (abstract, medical history). The SRO check is carried out during the SROP.

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5. Criteria for fulfilling the SRO (requirements for completing the task): deadlines for submitting assignments, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified volume

6. Deadlines: 10 day

7. Literature: see Appendix No. 1

8. Control: Oral interview, abstract, medical history (public defense).

Topic No. 11: Boundary control-2

Target: Summarize the level of mastery of the topics covered

Assignments on the topic of the lesson:

Review topics from previous lessons.

Execution form: written survey, responses to tickets.

Performance criteria: responses to tickets, thoroughness of analysis, clarity of wording and clarity of expression of one's own thoughts, well-reasoned conclusions and proposals, exceeding the number of pages from the specified number

Due dates: Day 11

Literature: see Attachment No. 1

Appendix No. 1

Main literature:

Pharmacology :okukuraly = Pharmacology: textbook / G. M. Pichkhadze [t.b.]. - M.: "Litterra", 2016. - 504 bet

Katzung, Bertram G. Basic and Clinical Pharmacology [Text]: textbook / Katzung Bertram G. - 14 nd ed. - [S. l.]: McGraw-Hill education, 2018. - 1250 p.

Goodman end Gilman's, A. The Pharmacological Basis of Therapeutics [Text]: textbook / Goodman & Gilman's A.; editor L.L. Brunton. - 13th ed. - New York: McGraw-Hill Education, 2018. - 1419 p.

Stikeeva, R. K. Pharmacology-1: okukuraly / R. K. Stikeeva. - Almaty: Evero, 2016. - 148 bet.s.

Kharkevich, D. A. Fundamentals of pharmacology: textbook. - M.: GEOTAR - Media, 2015. - 720 p.

Alyautdin, R. N. Pharmacology: textbook. - M.: GEOTAR - Media, 2014. - 704 p. :

Kharkevich, D. A. Pharmacology: okulyk. - M.: GEOTAR - Media, 2014. - 784 bet.

Rakhimov, K. D. Pharmacology: okukuraly. - Almaty: Zhaniya-Poligraf Housing Society, 2014. - 554 bet.s.

Ormanov, N. Zh. Pharmacology. 1-kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. - Almaty: Evero, 2013. - 656 bet.s.

Ormanov, N. Zh. Pharmacology. 2-kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. - Almaty: Evero, 2013. - 512 bet.s.


Pharmacology: textbook / ed. R. N. Alyautdina. - M.: GEOTAR - Media, 2013. - 832 + el.

Ormanov, N. Zh. Pharmacotherapy. 1-kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. - Shymkent: SKGFA, 2012. - 500 bet.s.

Ormanov, N. Zh. Pharmacotherapy. II-kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. - Shymkent: OKMFA, 2012. - 416 bet.s. -

Kopasova, V. N. Pharmacology: textbook / V. N. Kopasova. - M.: Eksmo, 2011. - 352 p.

Ormanov, N. Zh. Pharmacology. 1st kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. - Shymkent: B. zh., 2010. - 664 bet.s.

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Ormanov, N. Zh. Pharmacology. 2nd kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. – Shymkent: B. zh., 2010. - 492 bet.s.

Additional literature:

Pharmacology: nyskaulyk = Pharmacology: manual / G. M. Pichkhadze [t.b.]. - M.: "Litterra", 2017. - 640 bet p.

Mashkovsky M.D. Medicines. 16th edition. reworked, additional and corr. M. New wave. 2017. – 1216 p.

Donekerulpalaraurularynynpharmacotherapy: okulyk / Z. A. Kerimbaeva [zh.b.]. - Almaty: Evero, 2016. - 184 b. With.

Microbes karsy darilerdin pharmacology: oku kuraly / T. A. Muminov [reinforced concrete]; Kaz. tel. room N. M. Maldybaeva. - Almaty: Liter Print. Kazakhstan, 2016.-552 bet. With.

Pharmacology of antimicrobial agents: textbook / T. A. Muminov. - Almaty: Liter Print. Kazakhstan, 2016. - 784 p. -

Pharmacology: a guide to laboratory exercises: textbook. manual / ed. D. A. Kharkevich. - 6th ed., rev. and additional ; Rec. educational and methodological association for medical science. and pharma. education of Russian universities. - M.: GEOTAR - Media, 2014. - 512 p.

Rakhimov, K. D. Phytopharmacology. Pharmacology - Thesaurus. : oku kuraly = Phytopharmacology. Pharmacology - Thesaurus: textbook. allowance. - Almaty: Zhaniya-Poligraf Housing Society, 2015. - 528 p.

Pharmacology of non-medical formulations: okulyk / M. Z. Shaidarov [f.b.]. - Astana: Aknur, 2014. - 398 bet. With.

Fundamentals of pharmacology with formulation: textbook / M. Z. Shaidarov [et al.]. - Astana: Aknur, 2014. - 406 p.

Zhaugasheva, S.K. Pharmacological glossary / S.K. Zhaugasheva, N.T. Dildabekova, Rashid. Sajid = Pharmacological glossary / сөздік = PHARMACOLOGIC GLOSSARY: sovar. - 2nd edition; Approved and rec. to ed. Academic Council of KSMU. - Almaty: Evero, 2013. - 132 p.

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Tynys alu zholdary arzalary aurularynyn pharmacotherapy.: oku kuraly/ N.Zh. Ormanov. 2013.

Ormanov, N. Zh. Zhalpy recipe. Zhalpy pharmacology: okukuraly.- Shymkent: "RISO", 2013. - 76 bet.s.

Ormanov, N. Zh. Pharmacological reference book of drugs (classification, nomenclature, mechanism of action and indications for use): educational and methodological manual / SKGFA. - ; Approved at the Scientific Council of the SKSF. - Almaty: Evero, 2013. - 138 p.

Ormanov, N. Zh. Zhalpy recipe. Zhalpy pharmacology: okukuraly / N. Zh. Ormanov, N. R. Syrmanova, L. N. Ormanova; Kurdensaulyksaktauministerligi; OKMMA. - Almaty: Evero, 2012. - 102 bet.s.


Pharmacology termindimen tusinikteri. Thesaurus Kazakh-orystilderinde: okukuraly; Ed. Bask. K. D. Rakhimov. - Almaty: B. zh., 2011. - 449 bet.s.

Ormanov, N. Zh. Pharmacology keste men syzbasy: oku-adistemelikkural. - Almaty: Evero, 2011. - 368 bet.s.

Ormanov, N. Zh. Pharmacology of keste men syzbada:okukuraly / N. Zh. Ormanov, L. N. Ormanova; OKMFA. - Shymkent: OKMFA, 2011. - 360 bet.s.

Pharmacology termindimen tusinikteri. Thesaurus Kazakh-orystilderinde: okukuraly / ҚР ҰЛТТИҚҚЫЛМАҚАД; pharmacology and toxicology institutes; Pharmacology and pharmacy assoc. Kaz.-Resey honey. university; Ed. Bask. K. D. Rakhimov. - Almaty: B. zh., 2011. - 449 bet.s.

Electronic editions:

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Askorytu agzalary aurularynyn pharmacotherapy. [Electronic resource]: Okulyk/ Kerimbaeva Z.A., Ormanov N.Zh., Dzhakipbekova Z.K., Ormanov T.N. Shymkent, 2018

Kharkevitch, DA Pharmacology [Electronic resource]: textbookformedicalstudents / DA Kharkevitch. - Electronic text data. (83.9MB). - M.: GEOTAR - Media, 2017. - email. wholesale Disk

Pharmacology [Electronic resource]: okukuraly / ed. bass. G. M. Pichkhadze = Pharmacology: textbook / ed. G. M. Pichkhadze. - Electronic text data. (43.0MB). - M.: "Litterra", 2016. - 504 bet p.

Maisky, V.V. Pharmacology with general formulation [Electronic resource]: textbook for medical schools and colleges / V.V. Maisky, R.N. Alyautdin. - 3rd ed., add. and processed - Electronic text data. (36.1 MB). - M.: Publishing group "GEOTAR-Media", 2011. - 240 p.

Alyautdin, R. N. Pharmacology [Electronic resource]: textbook for secondary prof. education / R. N. Alyautdin, N. G. Preferansky, N. G. Preferanskaya. - Electronic text data. (44.6 MB). - M.: Publishing group "GEOTAR-Media", 2010. - 704 p.

Kharkevich, D. A. Pharmacology [Electronic resource]: textbook. - Electron. text data (62.1 MB). - M.: Publishing house. group "GEOTAR-Media", 2010. - 752 p.

Pharmacology [Electronic resource]: textbook for medical schools and colleges / ed. R. N. Alyautdina. - Electronic text data. (43.0 MB). - M.: Publishing house. group "GEOTAR-Media", 2010. - 832 p.