**Al-Farabi Kazakh National University**

**Faculty of Medicine and Healthcare, Higher School of Medicine**

**Department of** ​**Fundamental Medicine**

Discipline: «Mechanisms of Defense and Disease »

**Tasks for SIW, Schedule of their implementation, Methodical directions for them**

The schedule of implementation of Student Independent Work (SIW)

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| № | Tasks For SIW \* | Deadline of SIW\*\*(study week) | Implementation form of SIW | Score (points) |
| 1 | Pharmacological treatment of arterial hypertension in children.  Role of angiotensin-converting enzyme (ACE) and calcium channel blockers (CCBs) in pediatric practice. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 2 | Implication of antibiotics use during the COVID-19 pandemic. Clinical use of Azitromycine among the Covid-19 patients. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 3 | Use of non-steroidal anti-inflammatory drugs (NSAIDs) and triptans (serotonin 5HT1B/1D receptor agonists) for managing acute attacks of migraine. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 4 | Evaluation of effectiveness supplementary drugs in case of treatment of primary biliary cholangitis (PBC) corresponding to guidelines. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 5 | Nutrition Intake of Calcium and Vitamin D and indication of Antiresorptive drugs for patients with osteoporosis. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 6 | Role of omalizumab (Xolair) in severe allergic adult asthma. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
|  | Hemorrhagic stroke and anticoagulation therapy | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 8 | Vitamin D deficiency as a risk factor for severe COVID-19 | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 9 | Evaluation of treatment with monoclonal antibodies | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 11 | Current situation of treatment of inflammatory arthritis in the Republic of Kazakhstan. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 12 | Hepatitis C in pregnancy. Direct acting antivirals drug and Ribavirin’s teratogenic effects | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 13 | Medical treatment of chronic alcoholic Hepatitis in the Republic of Kazakhstan. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 14 | Regulation of vascular tonus by calcium channels in Arterial Hypertension. | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |
| 15 | Medical treatment and diet relationship in DM | 14 week of the course | Review, PPT format, Analysis of original articles, Comparison of Dari Kz. and FDA. Clinical Protocols | 4 |

Independent work of students (ISW) - educational, methodical and research activities of students, performed by them independently in extracurricular time, according to the program of academic discipline. The ISW not only helps to absorb the educational material, but also generally contributes to the formation of the experience of educational, creative and research activities. For the implementation of the ISW, both the educational literature and sources recommended in the course are used, as well as independently found. ISW is delivered strictly on schedule. In case of good circumstances (if there is documentary evidence), the ISW can be accepted out of schedule.

One SIW will be presented by one student.