Приложение 7 к Протоколу заочного голосования Организационного комитета Международной олимпиады Ассоциации «Глобальные университеты» для абитуриентов магистратуры и аспирантуры от 20.06.2023 № 1-з

**Структура научного профиля (портфолио) потенциальных научных руководителей участников трека аспирантуры Международной олимпиады Ассоциации «Глобальные университеты» для абитуриентов магистратуры и аспирантуры.**

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| University | Federal State Autonomous Educational Institution of Higher Education I.M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation (Sechenov University) |
| Level of English language proficiency | Upper intermediate |
| The direction of training for which the graduate student will be accepted | 3.02 Clinical medicine, obstetrics and gynecology |
| Code of the field of study for which the graduate student will be accepted | 3.02 Clinical medicine, obstetrics and gynecology |
| List of research projects of a potential supervisor (participation/guidance) | 1. A. N. Strizhakov, A.I. Davydov, I.V. Ignatko, L. D. Belotserkovtseva. Physiology and pathology of the fetus. M., Medicine, 2004: 357 p. 2. A. N. Strizhakov, I. V. Ignatko, E.V. Timokhina, M.V. Rybin. Postterm pregnancy. M., Publishing House "Dynasty", 2006: 96 p. 3. A. N. Strizhakov, A.I. Davydov, Z.M. Musaev, O.R. Baev, I.V. Ignatko. Gestosis: clinic, diagnostics, obstetric tactics and intensive care. M., Infomed, 2007: 79 p. 4. A. N. Strizhakov, I. V. Ignatko. Loss of pregnancy. M., MIA, 2007: 207 p. 5. A. N. Strizhakov, I. V. Ignatko. Obstetric tactics for pelvic presentation of the fetus. M., Dynasty, 2009: 96 p. 6. Ignatko I.V., Rodionova A.M. Algorithm for the management of pregnant women with "organic" and "functional" fetal arrhythmias. RF patent for invention No. 2702448 dated December 28, 2018 7. A. N. Strizhakov, A.I. Davydov, I.V. Ignatko, L. D. Belotserkovtseva. Miscarriage: pathogenesis, diagnosis, treatment (clinical guidelines). Moscow, 2011: 72 p. 8. A. N. Strizhakov, I. V. Ignatko, E.V. Timokhina, L. D. Belotserkovtseva. Fetal growth retardation syndrome: pathogenesis, diagnosis, treatment, obstetric tactics. M., GEOTAR-Media, 2012: 120 p. 9. A. N. Strizhakov, I. V. Ignatko. Physiology and pathology of the endocrine system of the fetus. M., GEOTAR-Media, 2014: 144 p. 10. A. N. Strizhakov, I. V. Ignatko, E.V. Timokhina, L. D. Belotserkovtseva. Pathophysiology of the fetus and placenta. M., GEOTAR-Media, 2015: 176 p. |
| List of possible research topics | Pregnancy management, complicated pregnancy, hypertensive disorders during pregnancy, fetal medicine, pregnancy loss syndrome, major obstetric syndromes, prenatal diagnostics, ultrasound diagnostics in obstetrics  Echographic and biochemical markers for predicting preeclampsia  Risk stratification when choosing a delivery method in the presence of a uterine scar after cesarean section  Comprehensive assessment of the fetus in predicting long-term outcomes in preterm labor  Significance of prenatal screening in predicting major obstetric syndromes  Diagnostic markers of intrauterine infection. Prediction and prevention of neonatal sepsis |
| Research supervisor:  Irina V. Ignatko,  Doctor of Science/PhD  Corresponding member of Russian Academy of Science  (Sechenov University) | High risk pregnancy and fetal medicine |
| Supervisor’s research interests :  *Development and implementation of an integrated system for forecasting, prevention of major obstetric syndromes and perinatal pathology* |
| Research highlights:  A comprehensive study of the anatomical and functional features of the fetoplacental complex using modern echographic, biochemical, gene and epigenomic markers, as well as computer modeling of pathological changes with the creation of a personalized model of treatment of a pregnant woman and a fetus. |
| Supervisor’s specific requirements:   * Graduated from a full basic course in obstetrics and gynecology. Understanding of fetal development and ultrasound diagnostics. |
| Supervisor’s main publications: *31*   1. Timokhina E., Zinin V., **Ignatko I.,** Belocercovtseva L., Strizhakov A. Matrix metalloproteinases mmp-2 and mmp-9 as markers for the prediction of preeclampsia in the first trimester | Matrixové metaloproteinázy mmp-2 a mmp-9 jako markery predikce preeklampsie v prvním trimestru. *Ceska Gynekologie.* 2021, 86(4), c. 228-235 2. Timokhina E., Strizhakov A.N., Ibragimova S., **Ignatko I.,** Belousova V., Zafiridi N., Gitel E. Matrix metalloproteinases MMP-2 and MMP-9 occupy a new role in severe preeclampsia. Journal of pregnancy. - 2020 - T. 2020 C8369645 3. **Игнатко И.В.,** Стрижаков А.Н., Кузнецов А.С., Чурганова А.А., Лебедев В.А., Богачева Н.А., Богомазова И.М., Карданова М.А. Применение микронизированного прогестерона в профилактике и терапии невынашивания беременности. *Акушерство и гинекология.* 2019; 2: 148-56 Ignatko I.V., Strizhakov A.N., Kuznetsov A.S., Churganova A.A., Lebedev V.A., Bogacheva N.A., Bogomazova I.M., Kardanova M.A. Use of micronized progesterone in the prevention and therapy of miscarriage. Akusherstvo i Ginekologiya/Obstetrics and Gynecology. 2019; (2): 148-56. (in Russian) http://dx.doi.org/10.18565/aig.2019.2.148-156 4. **Игнатко И.В.,** Стрижаков Л.А., Флорова В.С., Мартиросова А.Л. Персонализированный подход к антигипертензивной терапии у беременных с точки зрения клинической фармакологии. *Вестник РАМН. -* 2018. - Т.73, №3. - С. 149-156 **Ignatko I.V.,** Strizhakov L.A., Florova V.S., Martirosova A.L. THE PERSONALIZED APPROACH TO ANTIHYPERTENSIVE THERAPY DURING PREGNANCY IN TERMS OF CLINICAL PHARMACOGENETICS // Annals of the Russian academy of medical sciences. - 2018. - Vol. 73. - N. 3. - P. 149-156. doi: [10.15690/vramn954](https://doi.org/10.15690/vramn954) 5. **Игнатко И.В.,** Кинкулькина М.А., Флорова В.С., Скандарян А.А., Кукина П.И., Мацнева И.А., Переверзина Н.О., Смирнова А.В. Послеродовая депрессия: новый взгляд на проблему. *Вопросы гинекологии, акушерства и перинатологии.* 2018; 17(1): 45–53. 6. **Ignatko I.V.,** Kinkul’kina M.A., Florova V.S., Skandaryan А.А., Kukina P.I., Matsneva I.A., Pereverzina N.O., Smirnova A.V. Post-partum depression: a new view of the problem. Vopr. ginekol. akus. perinatol. (Gynecology, Obstetrics and Perinatology). 2018; 17(1): 45–53. (In Russian).  DOI: 10.20953/1726-1678-2018-1-45-53 |
|  | Results of intellectual activity:  - developed and introduced into obstetrics and perinatology pathogenetically grounded systemic approaches to the management of pregnant women at high risk of perinatal pathology;  - algorithms for pregnancy management in case of significant obstetric complications and "large obstetric syndromes" have been developed and implemented, which are characterized by the fundamental novelty of the system of perinatal protection of the fetus, preserving the health of the mother;  - the scientific substantiation of the expediency of using high-tech methods for studying the placental system and the fetus to reduce perinatal and infant morbidity and mortality, as well as childhood disability has been given.  - proposed a system for stratification of the risk of perinatal complications, preeclampsia, premature birth  - a study of arrhythmias and small anomalies of the fetal heart is being carried out  - a search is under way for predictors of successful vaginatal delivery in women with a scar on the uterus  - issues of intrauterine infection are being studied |