

NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE
STATE INSTITUTION “SYTENKO INSTITUTE OF SPINE AND JOINT PATHOLOGY
NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE”
(SI “SISJP NAMS OF UKRAINE”)

APPROVED

Decision of the Academic Council of the
State institution “Sytenko institute
of spine and joint pathology
National academy of medical sciences of
Ukraine”

Minutes No.6 of 21.06.2024.

Chairman of the Academic Council
Professor

_____ Mykola KORZH

APPROVED

Order of the director of
State institution “Sytenko institute
of spine and joint pathology
National academy of medical sciences of
Ukraine”

27.06.2024 p.

No. 102 «O»

CURRICULUM
For Higher Education Applicants

Level of Higher Education	Third (educational-scientific)
Field of knowledge	22 Healthcare
Specialty	222 Medicine
Educational-Scientific Program	Traumatology and Orthopedics
Qualification	PhD in the field of knowledge 22 Healthcare specialty 222 Medicine

Kharkiv-2024

1. **Developed** by the working group of scientific and pedagogical staff of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”
2. **Approved** Decision of the Academic Council of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine” (Minutes No.6 of 21.06.2024.)

3. Developers:

Fedotova Inga – DMSc. Project team leader. Guarantor of the educational -scientific programme. Deputy director on scientific work of the State institution “Sytenko institute of spine and joint pathology National academy of medical sciences of Ukraine”

Bondarenko Stanislav - DMSc, Senior researcher, Member of the project team, Director of the the State institution “Sytenko institute of spine and joint pathology National academy of medical sciences of Ukraine”

Hrytsenko Anastasiia – Head of the Council of Young Scientists, member of the project group, Research associate in the Department of Spine and Joints for Pediatric Care of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Dynnik Oleksii – PhD in Medicine, member of the project group, Head of the Laboratory of Orthotics and Biomaterials of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Korzh Mykola – PhD in Medicine, professor, member of the project group, Advisor to the Directorate of the Research Institution of the State Institution “Sytenko institute of spine and joint pathology National academy of medical sciences of Ukraine”, Honored worker of Science and Engineering of Ukraine, Laureate of the State Prize of Ukraine

Leontieva Frida – PhD in Biological Sciences, Head of the Department of Laboratory Diagnostics and Immunology of the State Institution “Sytenko Institute of spine and joints pathology National academy of medical sciences of Ukraine”.

Lyzohub Mykola – DMSc, member of the project group, Chief Medical Officer of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Ovchynnikov Oleh – PhD in Medicine, Head of the Scientific-Medical Information Department of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Tankut Volodymyr – DMSc, professor, member of the project group, Head of the Scientific-Organizational Department of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Tiazhelov Oleksii – DMSc, professor, Head of the Department of the Biomechanics Laboratory of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Filipenko Volodymyr – DMSc, professor, Honored worker of Science and Engineering of Ukraine, Head of the Joint Pathology Department of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

Khmyzov Serhii – DMSc, professor, Honored worker of Science and Engineering of Ukraine, Head of the Department of spine and joint pathology for Pediatric care of the State Institution “Sytenko Institute of spine and joint pathology National academy of medical sciences of Ukraine”.

4. Agreed with Kharkiv National Medical University

The implementation of the educational-scientific programme is carried out based on the Cooperation Agreement for the training of higher education applicants at the third (educational-scientific) level No. 94/08/23-i/21/23 of 25.08.2023 between State Institution “Sytenko Institute of

spine and joint pathology National academy of medical sciences of Ukraine” and Kharkiv National Medical University.

EDUCATIONAL COMPONENT

Disciplines, training courses	ECTS credits	Number of study hours in total	Including		Independent work	Control measures	Responsibility
			Audit classes				
			Lectures	Seminars/consultations			
1	2	3	4	5	6	7	8
I year of study							
Philosophy of science	4	120	12	36	72	Course credit	Profile department of KNMU
Professional foreign language (English)	4	120	10	48	62	Course credit	Profile department of KNMU
Innovative pedagogy	3	90	12	40	38	Course credit	Profile department of KNMU
Methodology of scientific activity management. (based on the model of orthopedic science). Fundamentals of academic integrity	3	90	4	22	64	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Medical statistics (Good Statistical Practice)	2	60	4	20	36	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Ethics and bioethics	2	60	4	20	36	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Special course in traumatology and orthopedics by choice	3	90	4	20	66	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Good Clinical Practice and Fundamentals of Evidence-Based	3	90	2	24	64	Course credit	SI “Sytenko Institute of spine and joint pathology

Medicine - elective course							NAMS of Ukraine”
Good Laboratory Practice and Fundamentals of Evidence-Based Medicine - elective course	3	90	4	22	64	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
TOTAL	27	810	56	252	472		
II year of study							
1	2	3	4	5	6	7	8
Professional foreign language (English)	2	60	4	24	32	Course credit	Profile department of KNMU
Methods of preparing scientific papers in English (English academic writing)	2	60	4	20	36	Course credit, article in English for a professional publication	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Special course in traumatology and orthopedics by choice	2	60	-	16	44	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Special course in related disciplines by choice	4	120	4	34	82	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Good Clinical Practice and Fundamentals of Evidence-Based Medicine - elective course	3	90	-	24	66	Course credit	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
TOTAL	13	390	12	118	260		
III year of study							
1	2	3	4	5	6	7	8
Traumatology and Orthopedics	5	150	12	38	100	Exam	SI “Sytenko Institute of spine and joint pathology NAMS of Ukraine”
Good Clinical Practice and	1	30	-	10	20	Course credit	SI “Sytenko Institute of

Fundamentals of Evidence-Based Medicine - elective course							spine and joint pathology NAMS of Ukraine”
Teaching practice	4	120	-	-	120	-	Department by choise
TOTAL	10	300	12	48	240		
IN TOTAL	50	1500	80	426	994		
IV year of study							
Summarizing of the results of the research. Completion of work on the dissertation. Defense of the dissertation.							

SCIENTIFIC COMPONENT

Research and development work	Scope of work	Timeframe for implementation	Control measures	Responsibility
1	2	3	4	5
I year of study				
Writing a doctoral project. Presentation of the extended text of the Doctoral project	Presentation of the extended text of the Doctoral project, which includes: a specific description of the proposed dissertation research topic; argumentation of the relevance of the topic; a statement of unresolved issues to be investigated; a critical review of the literature related to the topic of the potential dissertation; a reasoned statement of the potential scientific novelty of the research results; a description of the methodology and research method and the reasoning for their choice; a specific calendar plan for further research work; a description and argumentation of potential risks and/or limitations.	September-October current academic year	Approved the theme of the dissertation Decision of the Academic Council of the SI “Sytenko institute of spine and joint pathology NAMS of Ukraine”	Profile scientific department, scientific supervisor, scientific-organizational department.
Scientific research on the topic of the dissertation, independent work	Performing research in accordance with the research calendar	November-June current academic year	Semi-annual and annual certification by the supervisor, report in the research department	Profile scientific department, scientific supervisor
Writing chapters of the dissertation	Writing the analytical chapter of the dissertation	November-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Writing scientific articles	Publication/submission of at least 1 article to a professional journal indexed in the WoS and/or Scopus databases.	November-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Testing and presentation of scientific	Participation in at least one scientific or scientific-practical forum (participation with a	November-June current academic	Semi-annual and annual certification	Profile scientific department,

research results	report, publication of abstracts, etc.)	year	by the supervisor	scientific supervisor
1	2	3	4	5
II year of study				
Scientific research on the topic of the dissertation, independent work	Performing research in accordance with the research calendar	September-June current academic year	Semi-annual and annual certification by the supervisor, report in the research department	Profile scientific department, scientific supervisor
Writing chapters of the dissertation	Writing the next two chapters of the dissertation	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Writing scientific articles	Publication/submission of at least 2 articles to a professional journal indexed in the WoS and/or Scopus databases.	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Testing and presentation of of scientific research results	Participation in at least three scientific or scientific-practical forums (participation with a report, publication of abstracts, etc.)	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Implementation of the results of the research in the medical practice.	Implementation of the results of the research and obtaining the relevant documents certifying this.	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
III year of study				
Scientific research on the topic of the dissertation, independent work	Performing research in accordance with the research calendar, summarizing the results of the study.	September-June current academic year	Semi-annual and annual certification by the supervisor, report in the research department	Profile scientific department, scientific supervisor
Writing chapters of the dissertation	Writing the next chapters of the dissertation	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Writing scientific articles	Publication/submission of at least 2 articles to a professional journal indexed in the WoS	September-June current academic year	Semi-annual and annual certification	Profile scientific department,

	and/or Scopus databases.	year	by the supervisor	scientific supervisor
1	2	3	4	5
Testing and presentation of of scientific research results	Participation in at least two scientific or scientific-practical forums (participation with a report, publication of abstracts, etc.)	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Implementation of the results of the research in the medical practice.	Implementation of the results of the research and obtaining the relevant documents certifying this.	September-June current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
IV year of study				
Scientific research on the topic of the dissertation, independent work	Summarizing the results of the study.	September-December current academic year	Semi-annual and annual certification by the supervisor, report in the research department	Profile scientific department, scientific supervisor
Writing chapters of the dissertation.	Completion of the dissertation	September-December current academic year	Semi-annual and annual certification by the supervisor	Profile scientific department, scientific supervisor
Testing the dissertation at a meeting of the Academic Council of the SI "Sytenko Institute of spine and pathology NAMS of Ukraine"	First version of the dissertation	September-November current academic year	Preliminary defense of the dissertation at a meeting of the Academic Council of the SI "Sytenko Institute of spine and pathology NAMS of Ukraine"	Profile scientific department, scientific supervisor
Defense of the dissertation	The final version of the dissertation. Submission of the dissertation materials to a one-time academic council. Public defense of the dissertation.	December - June current academic year	Public defense of the dissertation in a one-time specialized council.	Scientific supervisor

Guarantor of the educational-scientific programme.
Deputy director on scientific work, DMSc

Inga FEDOTOVA

Head of the Scientific-Organizational Department,
DMSc, professor

Volodymyr TANKUT