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Fryda Solomonivna Leontyeva



Frida Solomonivna Leontieva, a well-known specialist in the field of clinical laboratory diagnosis, biochemist, teacher and organizer, Candidate of Biological Sciences, senior researcher, Head of the Department of Laboratory Diagnosis and Immunology had her 75th birthday on 12 May 2016 and 50th anniversary of working in the State Institution «Professor M. I. Sytenko Institute of Abnormalities of the Spine and Joints of the National Academy of Medical Sciences of Ukraine».

Colleagues, students, friends of Frida Solomonivna, this jubilee year for her, are as usual convinced that serving a favorite cause is not subject to years. Frida Solomonivna, as always, performs research at a high level, advises colleagues, conducts classes with young professionals, gives lectures, takes an active part in scientific forums on clinical laboratory diagnosis of various levels.

The anniversary celebrant was born in Kharkiv in a family of chemistry and biochemistry specialists. While studying at school, she became fond of chemistry and biology, which was the impetus for choosing a future profession. In grades 10–11, she was educated as a chemist-analyst under the agreement between the comprehensive school No. 116 and Kharkiv State University (now Kharkiv V. N. Karazin National University) and decided to continue her studies at this

university. In 1970 she successfully graduated from the Department of Biochemistry at the Faculty of Biology. Since 1971, she has associated her destiny with Professor M. I. Sytenko Institute.

Her home institution met the young specialist with certain travails: research with radioactive isotopes, toxic organic compounds, work with experimental animals, irregular working hours. She even had to take part in the autopsy of the dead, working in the laboratory under the guidance of the famous pathologist Professor E. Ya. Pankov. However, a young, persistent, cheerful, active woman could not be restrained on the chosen path by any difficulties!

During 1971–1985 she conducted active scientific work under the guidance of Professors A. M. Belous, E. Ya. Pankov and Doctor of Biological Sciences O. P. Tymoshenko. The main directions were the study of mechanisms of bone regeneration, in particular under the influence of various exogenous factors, also the influence of stressors on the development of pathological processes in bone and cartilage tissues.

It can be said without reservation that F. S. Leontieva introduced innovative scientific research that combined experimental modeling of various variants of bone tissue damage and dystrophic processes in the tissues of the spine and joints, the following advanced methods of biological material research: preparative biochemistry, use of radioactive isotopes, cultures, quantitative determination of organic and mineral components of connective tissue.

However, the anniversary celebrant considers clinical biochemistry to be a real professional vocation, which she understood while studying at a personal development training course in 1973. Since then, she has introduced more than 75 laboratory research methods that allow to assess the somatic status and state of metabolism of bone and cartilage tissues of patients. Much attention is paid to the development of methods for determining the metabolism of collagen and glycosaminoglycans in biological material.

In 1985, F. S. Leontieva received the degree of Candidate of Biological Sciences, defending her dissertation «Features of the metabolism of carbohy-

drate compounds and collagen proteins in degenerative-dystrophic diseases of the spinal tissues».

Since 1992, Frida Solomonivna has headed the scientific and clinical department — the Laboratory of Clinical Diagnosis. In 2000, a multidisciplinary department of clinical diagnosis and immunology with a clinical diagnostic laboratory was established on the basis of the laboratory. The department was accredited by the Academy of Medical Sciences of Ukraine and State Standard Agency as the first of its kind in Kharkiv (2001), and F. S. Leontieva was appointed coordinator of quality control of laboratory tests in the city's institutes subordinated to the Academy of Medical Sciences of Ukraine. To date, she has received a certificate of compliance of the measurement system with the requirements of State Standard Agency of Ukraine ISO 10012: 2005, and the anniversary celebrant continues to work on the preparation of material for obtaining a certificate in accordance with ISO 9001: 2015 and its subsequent support. As a brilliant methodologist, Frida Solomonivna is the secretary of the coordination council for the development, implementation and certification of the quality management system at the Institute. Under her leadership, the department is constantly involved in interlaboratory quality control of laboratory tests in hematology, clinical biochemistry and bacteriology, and for the past five years has received certificates of international quality control.

For many years F.S. Leontieva has been giving meaningful lectures on the problems of laboratory diagnosis in orthopedics and traumatology to doctors, graduate students, and clinical residents. She is a member of the board of the Kharkiv Scientific Society of Laboratory Diagnosis, a branch of the Association

of Laboratory Medicine and Clinical Biochemistry, a member of the NAMS of Ukraine commissions for attestation of clinical diagnostic laboratories, a member of the NAMS of Ukraine for attestation of doctors, deputy head of the committee on infections.

Frida Solomonivna is the author of more than 300 scientific publications, including 14 monographies and textbooks, 18 copyright certificates and patents, a permanent consultant of many research and dissertations. The anniversary celebrant for many years collaborates with important scientific publications («Orthopedics, Traumatology and Prosthetics», «Laboratory Diagnosis») as an active and attentive reviewer.

Frida Solomonivna has been repeatedly awarded diplomas by the Presidium of the National Academy of Medical Sciences of Ukraine, the Cabinet of Ministers of Ukraine, Kharkiv Regional State Administration, and the State Standard Agency of Ukraine, badge of Honor of the National Academy of Medical Sciences of Ukraine (Agapit Pechersky medal).

We, colleagues, students, friends of Frida Solomonivna, are proud that for many years we have been studying and working together with a friendly, decent and easy to communicate person, hard-working and dedicated scientist, whose scientific ideas are continued in the research of students and followers. The amazing combination of humanity, friendliness and demandingness became the essence of her relationship with colleagues.

Dear Frida Solomonivna, you are a real example of a person who is born to do good and give joy! We wish you good health, new bold creative ideas and their successful implementation, may your energy be inexhaustible!

*NGO «Ukrainian Association of Orthopedists-Traumatologists»
Collective of Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine
All-Ukrainian Association of Clinical Chemistry and Laboratory Medicine*