

ANNIVERSARIES

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DOI: <http://dx.doi.org/10.15674/0030-598720231108-109>**Ninel Vasylivna Dedukh**

In the life of every person there is a period when they accumulate life experience, and there is a time when they can already share it. The life experience of a scientist is both a manifestation of professionalism and the weight of creative work, which is based on the understanding of the topics, problems, ideas chosen, reasoning about which creates the basis for the acquisition of life experience by others.

This is the figure of our contemporary Ninel Vasylivna Dedukh, who is celebrating her anniversary this year. She is a Doctor of Biological Sciences, Professor and a talented researcher whose name is widely known in the world, an outstanding morphologist in the field of musculoskeletal system.

The jubilarian was born in the family of a military serviceman, and in 1961 she became a student of the Biological Faculty of Kharkiv State University, which she graduated in 1967. Fate brought her together with the young progressive scientist Valery Gaevych Shakhbazov, who became her first teacher and determined the line of life — Ninel Vasylivna chose the path of a researcher.

Ninel Vasylivna completed her scientific career from a laboratory assistant to the Head of the Connective Tissue Morphology Laboratory at Professor M. I. Sytenko Institute, where she worked since 1964.

In 1972, under the supervision of Doctor of Medical Sciences E. Ya. Pankov and Doctor of Biological Sciences V. G. Shakhbazov, she defended her candidate's thesis «Effect of exogenous RNA and high temperature on M-1 and M-45 sarcoma cells».

In the subsequent research, N. V. Dedukh was directed to an in-depth study of the morphology of the components of the locomotor system. Her scientific achievements include the study of the features of bone regeneration under normal conditions and various abnormal conditions, as well as the determination of the possibilities of managing this process through the influence of biologically active substances. Based on complex morphological studies conducted under the direction of the jubilarian, biological compatibility with bone tissue of corundum ceramics was proven for the first time in Ukraine; the osteointegrative, osteoconductive properties of new materials based on tricalcium phosphate and hydroxylapatite were studied, and recommendations were developed for the use of these biomaterials for plasticity of bone defects in various areas of the skeleton.

Ninel Vasylivna Dedukh's activities are versatile. A lot can be said about her as a scientist, organizer, educator of young scientific personnel and as a whole person. Thanks to the purposefulness of the Professor and her authority in the wide circles of world scientists, the methods of polarizing microscopy for analyzing the state and topography of the location of macromolecules of the intercellular matrix of connective tissue, in particular bone and cartilage, were introduced into the scientific research laboratory.

In 1988, N. V. Dedukh brilliantly defended her doctoral thesis «Morphological aspects of the influence of hormones on articular cartilage in ontogenesis», and in 1994 she was awarded the scientific title of Professor.

The directions of her further work were the determination of mechanisms of bone remodeling disorders in osteoporosis, the study of its development and risk factors, the experimental and morphological substantiation of approaches to the prevention and treatment of osteoporosis, the study of the features of the structure and regeneration of bone and cartilage under the influence of exogenous and endogenous fac-

tors, the search opportunities to optimize regeneration of the intervertebral disc. A significant contribution was made under her leadership in the evaluation of the properties of materials for the manufacture of fixation devices, primarily for patients with a broken bone structure. As a result of the researches, experimentally based coatings on fixators to ensure stable osteosynthesis, with antibacterial and osteoconductive properties, were elaborated.

For her significant scientific contribution to the development of medical science, N. V. Dedukh was repeatedly awarded certificates of honor of various levels. Inexhaustible energy, extraordinary organization, impressive work capacity, perseverance in work, demandingness to herself and others, and purposefulness enabled Ninel Vasylivna to achieve significant success not only in the field of experimental and theoretical developments in the problems of orthopedics and traumatology, but also to acquire deep knowledge in related disciplines, to expand professional, scientific and cultural horizons and educate a galaxy of worthy scientists. Under her supervision, 3 doc-

toral theses and 10 candidate theses were defended. Her creative legacy includes more than 420 scientific works, including 11 monographs, 3 manuals, and 23 patents of Ukraine.

Today, N. V. Dedukh works on fundamental and experimental research in the field of orthopedics and traumatology in the Department of Clinical Physiology and Pathology of the Musculoskeletal System of the D. F. Chebotaryov Institute of Gerontology of the National Academy of Sciences of Ukraine. She does not leave students and colleagues without support, helps with advice and actions and continues to be a model of a scientist for them.

Ninel Vasylivna Dedukh belongs to scientists for whom creative inspiration and scientific research are a constant state of life. Therefore, we wish her productive scientific achievements, new bold creative ideas and their successful implementation.

May your energy be inexhaustible, we wish you creative energy, good health, inspiration, and new victories in the name of the development of Ukrainian science.

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