

ANNIVERSARIES

УДК 617.3(477)(092)Диннік(045)

DOI: <http://dx.doi.org/10.15674/0030-598720212108-109>**Oleksii Artemovych Dynnik**

On 5 May 2021, the Head of the Laboratory of Orthotics and Biomaterials of Professor M. I. Sytenko Institute of Abnormalities of the Spine and Joints of the National Academy of Medical Sciences of Ukraine, Candidate of Medical Sciences, Associate Professor Oleksiy Artemovych Dynnik.

The anniversary celebrant was born in the village of Terny, Sumy region, in a family of doctors. In 1968 he entered medical faculty of Kharkiv Medical Institute, which he graduated from in 1974 and was assigned to the Ukrainian Central Institute for Examination of Working Capacity and Organization of Work of the Disabled, which was later reorganized into the Ukrainian Research Institute of Prosthetics. The new institute was headed by a resident of Professor M. I. Sytenko Institute of Abnormalities of the Spine and Joint, well-known biomechanic engineer and clinician, Professor Dmytro Oleksandrovyh Yaremenko. Oleksiy Artemovich improved his skills as an orthopedist-prosthetist under the influence and leadership of Dmitry Oleksandrovyh, as well as Honored Scientist of the USSR, Corresponding Member of the British Association of Orthopedists, the founder of Ukrainian prosthetics, Professor O. P. Kotov, Candidate of Medical Sciences T. F. Pavlova and Academician of the Academy of Sciences of Technological Cybernetics of Ukraine, Candidate

of Technical Sciences O. M. Sytenko. During his work at the Ukrainian Research Institute of Prosthetics, he held the positions of doctor, junior and senior researcher, head of the department of complex prosthetics and apparatus therapy, chief physician of the institute's clinic.

During this period, O.A. Dynnik dealt with the problems of diagnosis, prevention and treatment of defects and diseases of the lower extremities of the lower extremities, optimization of interaction in the system «femoral stump – receiving prosthesis sleeve», and developed a number of methods of osteoplastic formation of lower extremity stumps in prosthetic operations.

In 1990, Oleksiy Artemovych defended his dissertation «Clinical and biomechanical substantiation and implementation of the load of the submandibular region of the femoral stump during prosthetics».

From 1988 to 1996 he combined his main work at the Ukrainian Research Institute of Prosthetics with pedagogical work at the Department of Orthopedics and Medical Prosthetics of the Ukrainian Institute for Advanced Training of Physicians, and in 1994 he received the academic title of associate professor.

O. A. Dynnik has repeatedly been on business trips to Germany. To get acquainted with the work of clinics and prosthetic and orthopedic firms in Munich and Münster, in particular the clinic of Rene Baumgartner (1994), later as part of a government delegation to the world-famous prosthetic and orthopedic firm «Otto Bock» in Duderstadt (1997).

In 1998 he went to work at Professor M. I. Sytenko Institute of Abnormalities of the Spine and Joints in the Laboratory of Orthotics and Biomaterials, where, as the responsible executor of research on orthotics, he worked under the guidance of professors M. O. Korzh, S. D. Shevchenko, G. Kh. Gruntovsky. At the same time, he held the position of scientific, senior leading researcher, and since February 2012 he has headed this laboratory.

Under his leadership and active participation, the Institute's staff developed original designs and technologies on the basis of the modular principle of construction for the manufacture of new generation

express orthoses for the cervical, thoracic and lumbar spine, as well as redressing orthoses for the joints of the lower and upper extremities. Fundamentally new is the substantiation and development of structures and technologies for the manufacture of express cervical and cervico-thoracic orthoses with decompression of vascular-nerve bundles and other vital anatomical formations of the neck. A system and algorithm for quantitative assessment of the quality of orthoses of patients has been created, which objectively allows to find a rational compromise between clinical necessity, biomechanical expediency of the orthosis on the spine or joints and physiological ability of a person. Indications for the use of orthoses from the standpoint of clinical features of patients, sufficiency and stages of orthoses have been determined, which provide and optimize their therapeutic effect in the system of complex treatment of adults and children. O. A. Dynnik is also actively involved in the creation of endoprostheses from various types of biomaterials for vertebral bodies and intervertebral discs.

Oleksiy Artemovych is one of the leading specialists of Ukraine in amputation surgery and clinical prosthetics, the author of a number of original surgical methods of forming stumps of lower extremities with prosthetics on the operating table, as well as design and technological solutions for prosthetic and orthopedic equipment. He continues to develop this direction. He is currently working with one of the most powerful industrial teams in Ukraine to solve the pioneering problem of endo-exoprosthesis for patients with hip stump.

Gained experience, creative environment at Professor M. I. Sytenko Institute of Abnormalities

of the Spine and Joints and the analytical composition of thinking allowed O. A. Dynnik to reach the level of theoretical generalizations for solving problems of a person with a stump of the limb. Based on the theory of functional systems of Academician P. K. Anokhin, he gave a modern definition of clinical prosthetics as a special branch of medical science. He proposed a new methodological basis for medical and social rehabilitation of patients with amputated limbs, i. e. the concept of «post-amputation disease».

At the same time, O. A. Dynnik takes an active part in public life, for many years he has been responsible for the exhibition activities of the Institute, led the team to restore its museum exhibition. He is a permanent speaker at professional congresses, symposia, conferences, the author of 134 published scientific works, 32 of which are copyright certificates and patents for inventions or utility models.

Among his many historiographical publications and initiatives, we note two monographies, «Essays on the history of clinical prosthetics in Ukraine» by sole authority and co-authored with Professor M. O. Korzh «Origins of Professor M. I. Sytenko Institute of Abnormalities of the Spine and Joints». These books gave the history of the development of the Institute's professional school and Ukrainian orthopedics an organic completeness.

Associate Professor O.A. Dynnik celebrates his anniversary in the prime of life, full of energy and creative ideas for the future.

We sincerely congratulate Oleksiy Artemovych on his anniversary! We wish him good health, longevity, realization of ideas and creative inspiration!

*Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine
Ukrainian Research Institute of Prosthetics, Prosthetic Construction and Rehabilitation*