

## Dmitry Yuryevich Borzunov, Professor, Doctor of Medical Sciences



The editorial board of the journal *Genij Ortopedii* congratulates one of the most active proponents and followers of the Ilizarov method, Doctor of Medical Sciences, Professor Dmitry Yuryevich Borzunov, on his 60<sup>th</sup> birthday.

After graduating from Omsk State Medical Institute and completing his internship in surgery, Dmitry Yuryevich chose orthopedics as his life's work that was connected with the Ilizarov Center for many years where he rose from a junior research fellow to Deputy Director for Research Activities. He currently works as a professor at the Department of Traumatology and Orthopedics of the Ural State Medical University of the Russian Ministry of Health.

Dr. Borzunov's research focuses on experimental and clinical study on bone defect repair. In 1999, he defended his dissertation for the degree of Candidate of Medical Sciences on the topic of "Management of a Tibial Defect by Fragment Elongation with the Formation of Additional Regeneration Zones (Clinical and Experimental Study)." In 2004, he defended his dissertation for the degree of Doctor of Medical Sciences

on the topic of "Management of Long Bone Defects by Multifocal Fragment Lengthening (Experimental and Clinical Study)." In 2004, D. Yu. Borzunov was awarded with a Grant from the President of the Russian Federation for the support of young doctors of science for two-year scientific research. The models of bone defect filling and devices for their implementation developed by him provided compensation of long bone defects by multifocal fragment lengthening, as well as to monitor bone formation processes at various stages of transosseous osteosynthesis. The research substantiated the characteristics of osteoregeneration under the conditions of multilevel lengthening of proximal and distal tibial fragments, characterized the process of fragments reorganization in their simultaneous and sequential transport during the repair of post-resection metadiaphyseal defects of the tibia with multilevel lengthening of one tibial fragment, and studied the characteristics of tibial revascularization under various conditions of repair of post-resection defects of the proximal and distal metadiaphyses of the tibia with multilevel fragment lengthening. The process of distraction and contact regenerate formation at various stages of long bone defect repair with multifocal fragment lengthening was also studied.

Professor Borzunov's numerous scientific publications (over 200) in top-ranked domestic and international journals are devoted to the use of classical technology and the combined application of Ilizarov non-free bone grafting. The novelty of his scientific research is confirmed by 35 patents for inventions and utility models.

In his clinical work as a physician and head of department Dr. Borzunov provides medical care to critically ill patients, including those injured in the Second Military District, with the consequences of skeletal trauma, post-traumatic and congenital pseudoarthrosis, and bone defects.

Dmitry Yuryevich Borzunov shares his large scientific and surgical experience with young doctors, students, residents, and postgraduate students. Seven candidate dissertations and one doctoral dissertation were defended under his direct supervision. Dr. Borzunov served as Chairman of the Joint Dissertation Defense Council for Candidate and Doctor of Science degrees. He currently serves on the expert council of the Higher Attestation Commission for Surgical Sciences under the Ministry of Science and Higher Education of the Russian Federation.

Professor Dmitry Yuryevich Borzunov is well known in Russia and abroad. For many years, he has been delivering lectures, conducting master classes, participating in demonstration surgeries and conferences, promoting the Ilizarov method. Dmitry Yuryevich is a well-educated, goal-oriented, principled, witty, and empathetic person.

*The editorial board wishes Dmitry Yuryevich good health, new projects and achievements, and expresses its gratitude for his active work as an editorial board member and reviewer. Through his expert evaluation of scientific studies submitted for publication, the objectivity of his comments and recommendations, and his thoughtful approach to the material, he makes a significant contribution to improving the quality of articles and the development of our journal.*