

MARKING THE 70TH ANNIVERSARY OF ACADEMICIAN S.K. TERNOVOY

Sergey Konstantinovich Ternovoy, an outstanding Russian radiologist, a talented scientist with a worldwide reputation, celebrates his anniversary in October 2018.

Sergey Konstantinovich was born on October 13, 1948 in Odessa. He graduated from the medical faculty of the Odessa Medical Institute (1972), and fellowship at the Department of Radiology (1975). Since 1975 he was the Assistant, since 1977 – the Associate Professor of the same department. Since 1978, he worked at the Central Clinical Hospital of the Central Administration IV at the Ministry of Health of the USSR as the Head of the country's first computer tomography department.

S.K. Ternovoy became the founder of X-ray computed tomography in the USSR and Russia. The CT method was introduced into clinical practice in our country under his leadership and with his direct participation. He tested new approaches to performing the diagnostic procedure, developed the most appropriate versions of investigation protocols, and studied the possibilities for ensuring the maximum patient safety. Sergey Konstantinovich conducted the first investigations of CT density characteristics of most organs and systems in the human body, what resulted in description of the main CT signs of various pathological conditions; moreover, the first Russian dissertation studies were defended in this field.

In 1979, S.K. Ternovoy together with the employees of the Institute of Medical and Biological Problems of the Academy of Medical Sciences of the USSR and NASA, began to develop a quantitative densitometry method for investigating the bone tissue loss processes in astronauts during the long orbital flights. The unique data was obtained and published in 1980, and a bone densitometry phantom is now an integral part of the modern tomograph.

S.K. Ternovoy was the first in Russia who began the works for designing the domestic magnetic resonance imagers and studying the possibilities for their clinical use. These studies resulted in establishment of the first in the USSR laboratory for MRI study (1984) at the Research Institute of Cardiology; later it transformed into the clinical diagnostic department headed by Sergey Konstantinovich.

He was awarded the USSR State Prize in 1987 for a series of works carried out under the leadership of A. I.

Vorobyev. He was awarded the Prize of the Government of the Russian Federation (2011) for the cycle of works "Radiation diagnosis of socially significant diseases". In 1999 S.K. Ternovoy was elected as a full member of the Russian Academy of Medical Sciences, in 2014 as a full member of the Russian Academy of Sciences. In 2014, Sergey Konstantinovich was awarded the honorary title "Honored Worker of Science of the Russian Federation" (Presidential Decree No. 680 dated October 25, 2014).

A lot of work has been done by Sergey Konstantinovich to improve the teaching of the specialty at the pre- and postgraduate level. Since 1996, he has been the head the Department of Radiation Diagnostics, Radiotherapy at the First Moscow State Medical University n.a. I.M. Sechenov. Twenty Ph.D. theses and 13 doctoral theses were defended under his guidance. The total number of publications in the RSCI database is 407, Hirsch index is 17. Among them, 142 publications are indexed in the Scopus international database.

Thanks to his foreign publications, Sergey Konstantinovich is well known in the international scientific community in the field of radiation diagnostics. Many famous professors, the world's leading experts in their field, visited Russia at his invitation. S.K. Ternovoy prepared and conducted the first-ever scientific and practical meeting of representatives of the radiological community from Central and Eastern Europe with Russian specialists in the framework of the European Congress of Radiologists (ECR meets Russia).

The 1st National Congress of Radiological Diagnosticians and Therapists "Radiology 2007" was held with great success under his leadership and with his direct participation. Thanks to his efforts the National Congress is now held annually and at the present it is the most significant scientific and educational event in radiation diagnostics in our country.

Sergey Konstantinovich Ternovoy is the Chief Editor of the Russian Electronic Journal of Radiation Diagnostics REJR, the President of the Journal "Radiation Diagnostics and Therapy", the First Deputy Editor-in-Chief of the Journal "Herald of Roentgenology and Radiology".

The editorial staff of the "Eurasian heart Journal" warmly congratulates Sergey Konstantinovich on his 70th birthday and wishes him good health, optimism, more creative ideas and good luck in all his activities!