

SCIENTIFIC EVENTS OF THE TURNER SCIENTIFIC AND RESEARCH INSTITUTE FOR CHILDREN'S ORTHOPEDICS AS A FORM OF CONTINUOUS MEDICAL EDUCATION FOR PEDIATRIC TRAUMATOLOGISTS

© *K.S. Solovyeva, A.V. Zaletina, O.E. Kuptsova*

The Turner Scientific and Research Institute for Children's Orthopedics, Saint Petersburg, Russia

For citation: *Pediatric Traumatology, Orthopaedics and Reconstructive Surgery*, 2017;5(1):71-74

Received: 09.01.2017

Accepted: 21.02.2017

The experience of the Turner Scientific and Research Institute for Children's Orthopedics in educational activities for improvement of the professional knowledge of pediatric physicians was represented. The target audience of the continuous medical education include traumatologists, pediatric surgeons, and doctors of related specialties of Russia that are involved in diagnosis, treatment, and rehabilitation of children with injuries, congenital and acquired diseases of the musculoskeletal system. Since 1986, the Institute has organized 28 all-Russian scientific and practical conferences on topical issues of traumatology and orthopedics of pediatric age in 22 different cities across the country. In the interest of the institute, the school of pediatric orthopedists is constantly working for district orthopedists of children's polyclinics of St. Petersburg, and regular monothematic seminars are performed with the participation of leading Russian experts and visiting lecturers from abroad. These scientific and practical activities improve the professional skills of doctors and help them improve the provision of specialized care to children.

Keywords: continuing medical education, traumatologists–orthopedists, pediatric surgeons, scientific and practical activities.

НАУЧНЫЕ МЕРОПРИЯТИЯ ФГБУ «НИДОИ ИМ. Г.И. ТУРНЕРА» МИНЗДРАВА РОССИИ КАК ФОРМА НЕПРЕРЫВНОГО ОБУЧЕНИЯ ДЕТСКИХ ТРАВМАТОЛОГОВ-ОРТОПЕДОВ

© *К.С. Соловьева, А.В. Залетина, О.Е. Купцова*

ФГБУ «НИДОИ им. Г.И. Турнера» Минздрава России, Санкт-Петербург

Статья поступила в редакцию: 09.01.2017

Статья принята к печати: 21.02.2017

Представлен опыт Научно-исследовательского детского ортопедического института им. Г.И. Турнера по осуществлению образовательной деятельности для повышения профессиональных знаний травматологов-ортопедов, детских хирургов и врачей смежных специальностей России, которые проводят диагностику, лечение и реабилитацию детей с повреждениями, врожденными и приобретенными заболеваниями костно-мышечной системы. С 1986 г. институт организовал проведение 28 Всероссийских научно-практических конференций, посвященных актуальным вопросам травматологии и ортопедии детского возраста, в 22 различных городах страны. На базе института постоянно работает Школа детских ортопедов для районных ортопедов детских поликлиник Санкт-Петербурга и регулярно проводятся монотематические семинары с участием ведущих специалистов России и приглашенных лекторов из зарубежных стран. Научно-практические мероприятия повышают профессиональные знания врачей и помогают им совершенствовать оказание специализированной помощи детям.

Ключевые слова: непрерывное медицинское образование, врачи травматологи-ортопеды и детские хирурги, научно-практические мероприятия.

The Order of the Minister of Health of the Russian Federation of 11/11/2013 № 837, with the addendum of 06/09/2015 № 328, approved the provision of a model for the basic principles of continuous medical education for specialists with higher education. Implementation of this model is expected to be provided in the framework of organizations under the authority of the Russian Ministry of Health, which performs the educational activities. The modular principles of constructing educational programs and various types of educational activities are considered, such as a combination of distance education and e-learning [1].

We report on the experience of the Turner Scientific and Research Institute for Children's Orthopedics for the implementation of educational activities to improve the professional knowledge of orthopedists, traumatologists, pediatric surgeons, and doctors of related specialties in Russia who conduct diagnostic examinations, treatment, and rehabilitation of children with injuries and congenital and acquired diseases of the musculoskeletal system.

Since 1986, the Turner Scientific and Research Institute for Children's Orthopedics has been an organizer of annual scientific and practical conferences on topical issues of traumatology and orthopedics of early age, in which specialists from all administrative territories of Russia take part [2]. To expand the audience of participants through involvement of regional doctors, 28 scientific and practical events were held in 22 different cities of the country. Pediatric traumatologists and orthopedists were welcomed in megacities (Moscow, St. Petersburg, Kazan, Voronezh, Rostov-on-Don, Volgograd, Izhevsk, Yekaterinburg), cities of the North-West (Vologda, Pskov, Cherepovets, Syktyvkar), central regions of Russia (Yaroslavl, Vladimir, Saratov, Cheboksary, Orel), and Siberia (Kurgan, Barnaul), as well as resorts where rehabilitation of children with pathological conditions of the musculoskeletal system is performed (Svetlogorsk of the Kaliningrad region, Staraya Russa, Gelendzhik).

The conference holding was supported by the Priorov Central Scientific Research Institute of Traumatology and Orthopedics and the Association of Traumatologists and Orthopedists of Russia. The Saratov; Ural; Kazan Research Institute of Traumatology and Orthopedics; the Federal Centers of Traumatology and Orthopedics in

Kurgan, Cheboksary, and Barnaul; single-profile departments of medical universities; and the Health Committees of territorial administration provided the most active assistance in organizing events on their territories [2-4].

Approximately 200–250 participants from scientific and educational institutions of Russia and foreign countries and practical doctors attended the conferences. The topics of discussion included a wide range of questions on diagnostics, conservative and surgical treatment of injuries and their consequences, and congenital and acquired orthopedic pathology of children. The aim of the scientific events was the introduction of innovative projects into practical health care. The reports were supplemented with master classes and lectures by leading Russian and foreign orthopedists. Sometimes, one most urgent problem was chosen for a symposium. For example, in Gelendzhik (1997) and Yekaterinburg (2011), the reports were devoted to rehabilitation of disabled children with orthopedic, and orthopedic and neurologic pathology. In Izhevsk (1998), the innovative programs for treatment of large joints were of the highest priority. In Volgograd (2003), the errors and complications in treatment of injuries and diseases of the musculoskeletal system were analyzed. In Barnaul (2015), the main topic was devoted to the pathology of the lower extremities, and in St. Petersburg (2016) the pathologies of the upper limbs in children were discussed.

In Rostov-on-Don (1999), the first professional standards of technology for specialized care for children with the 29 most common orthopedic diseases and the consequences of injuries were discussed at the round table [5]. For each pathological condition, the algorithms for compulsory and additional examination methods, technologies for conservative and surgical treatment, criteria for assessing quality, recommendations for prevention of possible complications, and the program of rehabilitation and dispensary observation were compiled. The standards were developed by leading scientists of the Turner Scientific and Research Institute for Children's Orthopedics and published in the materials of the conference, which helped doctors of practical healthcare working with the funds of compulsory medical insurance when creating territorial standards for treatment of children.

For many years, the organization of scientific and practical conferences has shown the undoubted benefit of such meetings for pediatric traumatologists and orthopedists from different parts of Russia in terms of professional growth, and communicating and exchanging experiences among specialists with different levels of knowledge. The spirit of creativity, mutual respect, and assistance is consistently present at the meetings, and the social connections arisen are becoming stronger from year to year.

For more than 30 years, the Pediatric Orthopedic School has been working in the Institute for Regional Orthopedists of Children's Polyclinics in St. Petersburg and the Leningrad Region. Monthly sessions include clinical patient analysis for planning treatment tactics, demonstrating the results of the treatment performed, and lectures on topical issues of the specialty. A high level of professional knowledge is necessary for outpatient specialists who, when examining large contingents of children, detect congenital malformations and diseases of the musculoskeletal system at an early stage, perform rehabilitation of patients after hospital discharge to prevent relapses and complications, and perform preventive medical examinations and rehabilitation of children with disabilities. In 2002, with the participation of the Institute, the Association of Pediatric Orthopedists and Traumatologists of St. Petersburg was established. The school program was supplemented with regular monothematic 1-day seminars with participation of leading Russian experts and guest lecturers from foreign countries (United States, Austria, Germany, Israel, Finland, and so forth). Approximately 100 orthopedists from different regions of Russia, Ukraine, and Belarus come to every seminar, except for doctors from St. Petersburg and the Leningrad region [6].

From 09/29/2016 to 09/30/2016, with the support of the Association of Traumatologists and Orthopedists of Russia (ATOR) and the Association of Pediatric Orthopedists and Traumatologists of St. Petersburg (APOT SPb), a scientific and practical conference was conducted for the first time with international participation regarding "Congenital and acquired pathology of the upper extremities in children (diagnosis, treatment, rehabilitation)" in accordance with the Regulation on the basic principles of continuous medical education. The topic of discussion was relevant; 59 reports were

presented and 3 master classes were held. The invited lecturers from Finland, Austria, and the United States presented the results of their research. The conference was attended by more than 200 doctors from all regions of Russia. After answering the test questions to assess the knowledge gained, the participants received certificates with 12 credit points [7].

Thus, it can be stated that the experience of training activities conducted by the Turner Scientific and Research Institute for Children's Orthopedics complies with the basic principles of the Regulation on continuous medical education of traumatologists, orthopedists and surgeons who treat the injuries and diseases of the musculoskeletal system in children.

References

1. Приказ Министерства здравоохранения Российской Федерации от 11 ноября 2013 г. № 837 «Об утверждении положения о модели отработки основных принципов непрерывного медицинского образования специалистов с высшим медицинским образованием в организациях, осуществляющих образовательную деятельность, находящихся в ведении Министерства здравоохранения Российской Федерации, с участием медицинских профессиональных некоммерческих организаций» (в ред. Приказа Минздрава России от 09.06.2015 № 328). [Prikaz Ministerstva zdravookhraneniya Rossiiskoi Federatsii ot 11 noyabrya 2013 g. No 837 "Ob utverzhdenii polozheniya o modeli obrabotki osnovnykh printsiptov nepreryvnogo meditsinskogo obrazovaniya spetsialistov s vysshim meditsinskim obrazovaniem v organizatsiyakh, osushchestvlyayushchikh obrazovatel'nyuyu deyatel'nost', nakhodyashchikhsya v vedenii Ministerstva zdravookhraneniya Rossiiskoi Federatsii, s uchastiem meditsinskikh professional'nykh nekommercheskikh organizatsii" (v red. Prikaza Minzdrava Rossii ot 09.06.2015 No 328). (In Russ.)]
2. Поздникин Ю.И., Соловьева К.С. Научные мероприятия для детских травматологов-ортопедов — необходимая форма организационной работы научно-исследовательских учреждений // Травматология и ортопедия России. — 2002. — № 3. — С. 112–114. [Pozdnikin YuI, Solov'eva KS. Nauchnye meropriyatiya dlya detskikh travmatologov-ortopedov — neobkhodimaya forma organizatsionnoi raboty nauchno-issledovatel'skikh uchrezhdenii. *Travmatologiya i ortopediya Rossii*. 2002;(3):112-114. (In Russ.)]
3. Актуальные вопросы лечения заболеваний и повреждений опорно-двигательного аппарата у детей / Материалы Всероссийской научно-практической конференции детских ортопедов-травматологов в г. Владимире / Под ред. В.Л. Андрианова. — СПб., 1994. — 346 с. [Aktual'nye voprosy lecheniya zaboolevaniy i povrezhdeniy oporno-dvigatel'nogo apparata u detei. Materialy Vserossiiskoi nauchno-prakticheskoi konferentsii detskikh ortopedov-travmatologov v g. Vladimire. [Conference

- proceedings] Ed by V.L. Andrianova. Saint Petersburg; 1994. 346 p. (In Russ.)]
4. Совершенствование травматолого-ортопедической помощи детям / Материалы симпозиума детских травматологов-ортопедов России с международным участием в г. Казани / Под ред. А.Г. Баиндурашвили. – СПб., 2008. – 576 с. [Sovershenstvovanie travmatologo-ortopedicheskoi pomoshchi detyam. Materialy simpoziuma detskikh travmatologov-ortopedov Rossii s mezhdunarodnym uchastiem v g. Kazani. [Conference proceedings] Ed by A.G. Baidurashvili. Saint Petersburg; 2008. 576 p. (In Russ.)]
 5. Стандарты технологии специализированной помощи детям при повреждениях и заболеваниях опорно-двигательного аппарата // Материалы совещания детских травматологов-ортопедов России в Ростове-на-Дону / Под ред. Ю.И. Поздника. – СПб., 1999. – Ч. 2. – 128 с. [Standarty tekhnologii spetsializirovannoi pomoshchi detyam pri povrezhdeniyakh i zabolevaniyakh oporno-dvigatel'nogo apparata. Materialy soveshchaniya detskikh travmatologov-ortopedov Rossii v Rostove-na-
 6. Семинар с международным участием «Деформация стоп у детей: патогенез, диагностика, лечение» // Ортопедия, травматология и восстановительная хирургия детского возраста. – 2016. – Т. 4. – Вып. 3. – С. 78–79. [Workshop with international participation “Foot deformities in children: pathogenesis, diagnosis and treatment”. *Pediatric traumatology, orthopaedics and reconstructive surgery*. 2016;4(3):78-79. (In Russ.)]
 7. Врожденная и приобретенная патология верхних конечностей у детей (диагностика, лечение, реабилитация) // Сборник тезисов научно-практической конференции с международным участием / Под ред. А.Г. Баиндурашвили. – СПб., 2016. – 68 с. [Vrozhdennaya i priobretennaya patologiya verkhnikh konechnostei u detei (diagnostika, lechenie, reabilitatsiya). [Conference proceedings]. Ed by A.G. Baidurashvili. Saint Petersburg; 2016. 68 p. (In Russ.)]

Information about the authors

Karina S. Solovyova — MD, PhD, senior research associate of the scientific-organizational department. The Turner Scientific and Research Institute for Children's Orthopedics. E-mail: omoturner@mail.ru.

Anna V. Zaletina — MD, PhD, head of the scientific-organizational department. The Turner Scientific and Research Institute for Children's Orthopedics. E-mail: omoturner@mail.ru.

Olga A. Kuptsova — MD, research associate of the scientific-organizational department. The Turner Scientific and Research Institute for Children's Orthopedics.

Карина Суреновна Соловьева — канд. мед. наук, старший научный сотрудник научно-организационного отдела ФГБУ «НИДОИ им. Г.И. Турнера» Минздрава России. E-mail: omoturner@mail.ru.

Анна Владимировна Залетина — канд. мед. наук, руководитель научно-организационного отдела ФГБУ «НИДОИ им. Г.И. Турнера» Минздрава России. E-mail: omoturner@mail.ru.

Ольга Анатольевна Купцова — научный сотрудник научно-организационного отдела ФГБУ «НИДОИ им. Г.И. Турнера» Минздрава России.