

Symposium „Spine deformities in children and adults“ on the occasion of World Spine Day, Zagreb, 13th October 2021

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Croatian Society for Vertebrology of the Croatian Medical Association in cooperation with Croatian Society for Child Surgery and Department of Rheumatology, Physical Medicine and Rehabilitation and Department of Neurosurgery of University Hospital Center Sestre Milosrdnice in Zagreb organized symposium entitled „Spine deformities in children and adults“. The symposium took place on 13th October 2021 in form of webinar with Prof. Simeon Grazio and Prof. Boris Božić as chairs and moderators. As for many years before, this 18th annual symposium was also held under the high auspices of the Croatian Academy of Arts and Science.

Welcome speech was addressed by academicians Prof. Vida Demarin and Prof. Zvonko Kusić (on behalf of the Croatian Academy of Arts and Science), followed by Prof. Davor Vagić (on behalf of the University Hospital Center Sestre Milosrdnice Zagreb), Prim. Darko Perović (president of the Croatian Society for Vertebrology) and Prof. Tomislav Đapić (president of the Croatian Society for Children Orthopaedics).

Ozren Kubat, MD, PhD (Department of Orthopaedic Surgery, University of Zagreb) opened symposium with lecture titled „Mechanism of development, epidemiology, clinical presentation and diagnostic of infantile, juvenile and adolescent spine deformities“.

Prof. Lovorka Grgurević (in co-authorship with Ruđer Novak PhD and Stela Hrkač, MD, Department of Anatomy and Clinical Anatomy and Center for translational and clinical research, School of Medicine, University of Zagreb) in lecture titled „Genetic foundation of congenital and acquired spine deformities“.

Prof. Goran Roić (Department for Children Radiology, Children's Hospital Zagreb), stated that conventional radiography is first choice in diagnostic algorithm and is sufficient to exclude majority of congenital and acquired anomalies. Computed tomography and magnetic resonance may have important role in cases of more complex scoliosis (in both pre and postoperative course).

Prof. Tomislav Đapić and Ozren Kubat, MD, PhD (Department of Orthopaedic Surgery, University Hospital Center Zagreb) in presentation titled „Orthotics in the treatment of spinal deformities in children and adults“.

Mislav Čimić, MD, MSc (Department of Orthopaedic Surgery, University Hospital Center Zagreb) had a presentation entitled „Surgical treatment of juvenile and adolescent spine deformities“.

Matija Žutelija Fattorini, MD, PhD (Policlinic Fattorini, Zagreb) in her presentation titled „Kinesitherapy in the scoliosis treatment



and rehabilitation after surgical treatment of juvenile and adolescent spine deformities” showed various kinesiotherapeutic options during rehabilitation process.

Prof. Tea Schnurrer-Luke-Vrbanić (Department of Physical and Rehabilitation Medicine, Clinical Hospital Center Rijeka) together with co-authors Assist. Prof. Frane Grubišić and Prof. Simeon Grazio (Department of Rheumatology, Physical Medicine and rehabilitation University Hospital Center Sestre Milosrdnice Zagreb) and Assist. Prof. Viviana Avancini-Dobrović (Department of Physical and Rehabilitation Medicine, Clinical Hospital Center Rijeka) presented a lecture entitled „Etiology, pathophysiology and clinical presentation of spine deformities in adults“ covering a wide range of different conditions (degenerative disease, osteoporosis and inflammatory rheumatic diseases).

Krešimir Saša Đurić, MD, PhD (Department of Neurosurgery, University Hospital Center Zagreb) presented a topic titled „Importance of sagittal balance in biomechanics in patients with spine deformities“.

Prim. Petra Margetić, MD, PhD (Department of Diagnostic and Intervention Radiology, University Hospital Center Sestre Milosrdnice Zagreb) presented a topic “Imaging of scoliosis and kyphosis in adult patients“ in co-authorship with prof. Dijana Zdravec.

Lecture entitled „Conservative treatment of spine deformities in

adults“ was presented by Prim. Neven Kauzlarić, MD, MSc in co-authorship with Neven Ištvanović, MD, PhD (Department of Rehabilitation and Orthopaedic Devices, University Hospital Center Zagreb).

Prim. Darko Perović, MD, PhD (Department of Traumatology and Orthopaedics, Surgery Clinic, University Hospital Dubrava) in co-authorship with Vide Bilić, MD, PhD (Department of Traumatology, University Hospital Center Sestre Milosrdnice Zagreb), Prof. Karlo Houra (Special Hospital Aksis, Zagreb) and Prof. Boris Božić (Department of Neurosurgery, University Hospital Center Sestre Milosrdnice Zagreb) presented a lecture titled „Surgical treatment of spine deformities in adults“.

Final lecture entitled „Postoperative rehabilitation after surgical treatment of spine deformities in adults“ was presented by Prim. Tatjana Nikolić in co-authorship with Dubravka Sajković, MD (Department of Rheumatology, Physical Medicine and rehabilitation University Hospital Center Sestre Milosrdnice Zagreb).

There was an interactive discussion which followed after lectures. This year symposium gathered around 85 participants and maintained high quality level despite many challenges caused by COVID-19 pandemics.

