

Poster Sessions

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Thursday AM Break, 4/19/18		
1	Instrumentation through interrupted trajectory in complex cervical spine cases	Walid Attia
5	Spinal back shape and posture in sitting and standing: Effects of using a mobile phone.	Josette Bettany-Saltikov, Keith Osullivan
6	Simulation of the third trimester of pregnancy using a maternity jacket on balance, foot stance and lumbar lordosis	Josette Bettany-Saltikov, Diane Urwin
15	Self-evaluation of aesthetics and the quality of life in children and adolescents with non-operatively treated idiopathic scoliosis	Dariusz Czaprowski, Maciej Lenzion, Anna Dembińska, Paulina Ewertowska, Jakub Waś, Mateusz Kozinoga, Łukasz Stoliński, Marcin Tyrakowski, Tomasz Kotwicki
19	The method for assessment of the 3D scoliosis angle from standard radiographs	Pawel Glowka, Katarzyna Politarczyk, Wojciech Politarczyk, Piotr Janusz, Kris Siemionow, Tomasz Kotwicki
20	Comparison of CT versus MRI T2-weighted SPACE sequence pedicle measurements	Pawel Glowka, Piotr Janusz, Mateusz Kozinoga, Tomasz Kotwicki, Kris Siemionow
24	Short term effect of nonsurgical treatment in a patient with severe juvenile idiopathic scoliosis who refused surgery - a case report	Mina Jelačić
36	The immediate rotational effect of iliopsoas muscle activation during scoliosis specific Schroth physiotherapy exercises: a case series	Andrea Lebel, Victoria Lebel, Judit Orban
37	Scoliosis specific physiotherapy following thoracic spinal fusion surgery to prevent further progression and avoid lumbar fusion surgery: a case report	Andrea Lebel, Victoria Lebel
38	Adolescent idiopathic scoliosis cured with physiotherapy scoliosis specific exercises based on the Schroth method using BSPTS principles: 3 case reports	Andrea Lebel, Victoria Lebel
42	The effect of an artificially induced leg length discrepancy (9mm) on spinal asymmetry in normal adult subjects using the diers formetric surface topography	Cindy Marti, Cheryl Peterson

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47	Spinal manifestations of Loey's-Dietz type 2 syndrome: stabilization of thoracolumbar kyphosis and reducing pain with specific exercises and individually made orthosis - case report	Marina Mrsnik, Janez Mohar, Natasa Bratuz, Edita Smuk, Bostjan Boltezar
51	Integral approach in contemporary management for medical treatment of spinal deformities	Mariana Popova, Biliyana Kamenova, Valeri Vlaev, Adelin Ivanov, Vasil Yablanski
55	Treatment of scoliosis using spiral stabilization muscle corset therapy, indications, treatment progress and results	Richard Smisek, Kateřina Smišková, Zuzana Smišková
63	Reduction of Scoliosis Curvature after an Intensive Physiotherapy Scoliosis Specific Exercise Program – Impact on Deformity and Home Exercise Compliance	Eric Hiu Kwong Yeung, Yunli Fan, Ruiwen Zhan, Rong Heg, Xuiqiang Zhao, Guangshuo Li, Ruiqi Jia, Zhuoman Xu, Jianbin Wu, Yong Ping Zheng, Michael KT To, Kenneth MC Cheung

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2	Functional Assessment of the core muscles on an adult juvenile idiopathic scoliosis-patient with Real Time Rehabilitative Ultrasound techniques. A single case study	Petra Auner-Gröbl, Barbara Gödl-Purrer
7	The amount of trunk rotational deformity depends in part on pelvic and lower limbs asymmetries: a study in 228 adolescent girls with double curve idiopathic scoliosis	Marianna Białek, Ewelina Białek-Kucharska, Tomasz Kotwicki
10	Clinical Characteristics of Scoliosis in Girls with Precocious Puberty: Retrospective Case Series	Ahsen Buyukaslan, Hurriyet Yilmaz
11	Assessment of Foot Posture in Patient with Adolescent Idiopathic Scoliosis: A Pilot Study	Ahsen Büyükaslan, Hürriyet Yılmaz, Tuğba Kuru Çolak
16	Is the precision of the iPad “structure sensor” digitizer sufficient for a high rigidity scoliosis correction brace?	Jean Claude de Mauroy, Fabio Gagliano, Sophie Pourret
21	HERMES – Tool for the optimisation of the interdisciplinary communication	Christian Grasl, Matthias Roller, Tamara Serth
25	Postural Assessment of a cohort of AIS Patients before and after an intensive physical therapy intervention	Nikola Jevtic, Thomas Shannon, Nachiappan Chockalingam
31	Scolio-kyphosis, an idiopathic lumbar or thoracolumbar scoliosis combined with thoracic hyperkyphosis – a separate pattern of adolescent spinal deformity	Tomasz Kotwicki, Krzysztof Korbel, Mateusz Kozinoga, Piotr Janusz
39	Acute muscle stretching and the ability to maintain posture in females with Adolescent Idiopathic Scoliosis	Dror Levi, Dror Ovadia, Yisrael Parmet, Shmuel Springer, David Ben-Sira

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43	Patient evaluation and clinical assessment of juvenile and adolescent spinal deformities in a Physical Medicine and Rehabilitation Research and Training Hospital	Aynur Metin Terzibasoglu, Cigdem Cinar, Muhsin Doran, Kadriye Ones, Evrim Coskun Celik, Ebru Yavuz
44	VACTERL Syndrome with Scoliosis, Dextrocardia and Anorectal Malformation	Aynur Metin Terzibasoglu, Cigdem Cinar, Muhsin Doran, Kadriye Ones, Evrim Coskun Celik, Ali Terzibasoglu
48	The effectiveness of SEAS scoliosis-specific exercises and bracing on AIS in six-month period with a 10-year old girl in the highest risk group for curve progression: case report	Nada Naglič, Anja Udovčić Pertot, Josip Horvat,
52	Analysis of COP-COM sway & EMG-activity in Adolescent idiopathic scoliosis (AIS) for the treatment of spinal orthotic.	Hasan Raihan, Prassana Lenka, Abhishek Biswas, Ameer Eubal
56	Changes in pulmonary function tests in patients with severe kyphoscoliosis	Ana-Marija Šola, Ana Petrović, Joško Šemnički, Vanja Dolenc
59	Evaluation of Body Appearance and Quality of Life in Adolescent Idiopathic Scoliosis Females	Ta-sen Wei, Yu-ru Liao, Peng-ta Liu
60	A Low-Cost Spinal Motion Capture System for Scoliosis Assessment during Sequence Trunk Movement	Ta-sen Wei, Peng-ta Liu, Yu-ru Liao
64	Respiratory Function in Adolescent Idiopathic Scoliosis	Busra Yildirim, Hurriyet Yilmaz, Aslihan Kusvuran

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3	The Short-term Effect of SEAS Intervention on adult scoliotic patients with single thoracolumbar curve	Liao Bagen
8	The effect of neuro-mobilization in the treatment of AIS	Maksym Borysov, Chernysheva I., Andrey Zachepa, Iana Suvorova
17	Does manipulating skin influence trunk rotation as measured by scoliometer? Immediate results of applying Elastic Therapeutic Tape on spinal rotation: experimental study of twin sisters with Adolescent Idiopathic Scoliosis	Esther de Ru
18	Literature Review: Effects of Elastic Therapeutic Tape as an Adjunct treating Spinal Deformities. Critical Appraisal of goals, applications and current practice.	Esther de Ru
22	The role of Univalva brace for a conservative treatment in the children's scoliosis	Tiziana Greggì, Antonio Scarale, Gianluca Colella, Francesco Vommaro, Konstantinos Martikos, Paola Zarantonello, Stefano Giacomini

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26	Evaluation the influence of trunk bracing in joint contact forces in subjects with scoliosis	MohammadTaghi Karimi, Azade Nadi, Azadeh Jafari
28	Evaluating and Standardizing Traction X-Ray Methods Using Surface Topography	Patrick Knott, Danielle Beck, Jacqueline Streeter, Elizabeth Vogt
29	How does positioning of the patient during imaging effect spinal measurements?	Patrick Knott, Arsala Alam, Alexandria Muller, Breanne Murray, Erin Pekovitch
30	The relationship between standing vs. bending trunk rotation in the evaluation of spinal deformity	Patrick Knott, Jennifer Beth, Brianne Cassidy, Clare Chandler, Victoria Murdoch
32	Importance of different etiological factors in spine deformities development	Bojan Kraljevic
33	The immediate effect of brace on dynamic pedobarographic parameters in patients with adolescent idiopathic scoliosis: a pilot study	Tuğba Kuru Çolak, Ahsen Büyükaslan, Hürriyet Yılmaz
34	The effect of Schroth Method and Progressive Strengthening and Stretching Exercises on Kyphosis and Lordosis: a case study.	Tuğba Kuru Çolak
40	Cheneau brace treatment in Adolescent Idiopathic Scoliosis	Song Lizhi
45	The short term effect of adolescent idiopathic scoliosis treatment with the FITS method combined with Cheneau brace – a case study	Andrzej M'hango, Irmina Blicharska- Kubiś, Tomasz Kotwicki
49	Anatomical and topographical peculiarities of urine flowing system organs among the children with idiopathic scoliosis	Galina Pankratova, Mikhail Dudin
53	Older Adult with Painful Scoliosis and Thoracic Hyperkyphosis treated with Schroth-based Physical Therapy and a Wood-Cheneau-Rigo Brace (WCR), 3 Years Status Post Transforaminal Lumbar Interbody Fusion (TLIF): A Case Report.	Beatriz Rodriguez
57	Cervical rotation, chest deformity and pelvic obliquity in patients with spinal muscular atrophy	Agnieszka Stępień, Maria Jędrzejowska, Łucja Mazurkiewicz, Katarzyna Guzek, Witold Rekowski
61	The Effect of Cheneau Type Bracing According to Wood-Cheneau-Rigo Concept on Cobb Angle Change in Adolescents with Idiopathic Scoliosis – A Retrospective Chart Analysis	Grant Wood, Sanja Schreiber
65	Craniovertebral junction abnormalities	Shin-Young Yim, Ah-Reum Ahn

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4	Effects of home based exercise program on pulmonary function and functional capacity in children with adolescent idiopathic scoliosis	Gozde Basbug Mbata, Melih Zeren, Hülya Gürses, Nuh Elmadag
9	Resolution of an infantile idiopathic scoliosis using a Scolibrace orthosis: A case report	Benjamin Brown, Jeb McAviney
12	Measurement of spinal and postural deformities from radiographs or photographs using dedicated software for computers and smartphones	Pavel Cerny, Michal Cerny, Jana Drnkova, Lukasz Stolinski, Dariusz Czaprowski, Tomasz Kotwicki, Ivo Marik
13	Method of measuring axial pelvic rotation in a photograph - verification from scanned 3D models.	Pavel Cerny, Michal Cerny, Jana Drnkova, Lukasz Stolinski, Dariusz Czaprowski, Tomasz Kotwicki, Ivo Marik
14	Traumatic spinal cord injury in early onset scoliosis with diastometamyelia, tethered cord and vertebra anomalies	Cigdem Cinar, Kadriye Ones, Muhsin Doran, Aynur Metin Terzibasoglu, Mustafa Yildirim
23	In-brace correction in a new Cheneau style CAD/CAM brace for adolescent idiopathic scoliosis (AIS)	Chiiko Ishihara, Yosuke Shiraishi
27	Sagittal spinopelvic alignment in Japanese adolescents with less than 10-degree Cobb angle	Takayuki Kikuchi, Ken Yamazaki, Satoshi Yoshida
35	The Relationship Between Popliteal Angle and Convexity Side in Patients with Adolescent Idiopathic Scoliosis	Tuğba Kuru Çolak, Ahsen Büyükaslan, Hürriyet Yılmaz
41	Prevention of spinal deformities and spinal pain is necessary! Trial and steps in a nationwide attempt to restore orthopedic hygienic interventions on flexibility and good postures in The Netherlands.	Piet van Loon, Andre Grotenhuis, Andre Soeterbroek
46	Iyengar Yoga and Movement Reeducation in the Management of Adult Idiopathic Scoliosis-A Case Report	Marcia Monroe
50	Prevalence of adolescent idiopathic scoliosis in Brazilian cities with different geographic latitudes	Patrícia Penha, Milla Dantas, Aron Aquino, Ana Gouveia, Ana Carolina Schmitt, Sílvia Maria João
54	International multi center study: Brace wear time of patients with idiopathic skoliosis - retrospective data evaluation	Matthias Roller, Albert Veldhuizen, Fris Waspsta, Franz Landauer, Gert Nijebanning
58	Curves beyond 40° – a case series of AIS patients treated with an updated Chêneau-style CAD brace	Nico Tournavitis, Constantinos Voutsas
62	The values of initial radiological characteristics in-brace to predict outcome in adolescent idiopathic scoliosis with thoracolumbar curvature	Zhang Xiaohui