



Virtual Annual Meeting  
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## EUROSPINE 2020: e-Posters

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University of Zurich, Zurich, Switzerland
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Charbel Moussalem, khaled Alok, Georges Minassian, Mohammad Houcheimy, Safwan Al omari, Ibrahim Omeis  
Dpt of surgery, division of Neurosurgery, Beirut, Lebanon
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IRCCS Istituto Ortopedico Galeazzi, Milan, Italy
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Trevor Cotter, Mark Driscoll, Rosaire Mongrain, Jean Ouellet  
Department of Mechanical Engineering, McGill University, Montreal, Canada
- P5** DOES ATTACHMENT OF THE DORSOLUMBAR FASCIA TO A NOVEL SPINOUS PROCESS PROSTHETIC DEVICE AFFECT THE OPERATIVE AND ADJACENT LEVEL KINEMATIC PROPERTIES OF THE LUMBOSACRAL SPINE?  
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Medstar Union Memorial Hospital, Department of Orthopaedic Surgery, Baltimore, Maryland, USA
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Christopher Kleck, Alan McGee  
University of Colorado Denver; Anschutz Medical Campus; School of Medicine; Department of Orthopedics, Aurora, USA
- P7** SOFT BONE CEMENT FOR BRITTLE BONE  
Alejandro López, Malin Nilsson, Cecilia Persson  
Dept of Materials Science and Engineering, Applied Materials Science, Uppsala University, Uppsala, Sweden, Inossia AB, Uppsala, Sweden
- P8** PELVIC INCIDENCE-LUMBAR LORDOSIS MISMATCH LESS THAN 10 DEGREE (PI-LL<10) HAS LIMITED APPLICABILITY AS A CRITERION OF ADULT SAGITTAL SPINAL DEFORMITY (ASD) CORRECTION  
Vikas Patel, Christopher Kleck, Christopher Cain, David Calabrese, Andriy Noshchenko, Evalina Burger  
University of Colorado Denver; Anschutz Medical Campus; School of Medicine; Department of Orthopedics, Aurora, USA

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Technical University of Munich, School of Medicine, Klinikum rechts der Isar, Department of Neurosurgery, Munich, Germany
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Dept of Orthop Surg, Showa Univ. Northern Yokohama Hospital, Yokohama, Japan

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St George's University Hospitals NHS Foundation Trust, Department of Trauma & Orthopaedics, London, UK
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Department of Orthopedic Surgery, Maharat Nakhon Ratchasima Hospital, Nakhon Ratchasima, Thailand
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Dept of Orthopaedics and Sport Medicine, University of Washington, Seattle, WA, USA
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Lester Wilson, Philippa Tyler  
Wellington Hospital Spinal Unit, London, UK

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Eleftherios Archavlis

Dept of Neurosurgery, Mainz, Germany

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<sup>1</sup>Chakri Naruebodindra Medical Institute, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Samut Prakan; <sup>2</sup> Department of Orthopedics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand
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Department of Spinal Surgery, Queens Medical Centre, Nottingham, United Kingdom
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National Center for Spinal Disorders, Budapest, Hungary

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University of Colorado Denver; Anschutz Medical Campus; School of Medicine; Department of Orthopedics, Aurora, USA
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Department of Neurosurgery, The Walton Centre NHS Foundation Trust, Liverpool, UK
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Hull University Teaching Hospitals NHS Trust, UK
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Dept of Neurosurgery, University of Virginia, Charlottesville, VA, USA
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School of Medicine, National Yang-Ming University; Department of Orthopedics and Traumatology,  
Taipei Veterans General Hospital, Taipei, Taiwan

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Spine Center, Department of Orthopaedic Surgery, Teine Keijinkai Hospital, Sapporo, Japan
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Dept of Orthopaedic, Hualien Tzu Chi hospital, Taiwan
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Dept of Neurosurgery, Clinique des Cèdres, Toulouse, France
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Dept of Spine Surgery, The Affiliated Drum Tower Hospital of Nanjing University Medical School, Zhongshan Road 321, Nanjing, China

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Dept of Orthopaedic Surgery, Gakkentoshi Hospital, Kyoto, Japan
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Yasuhiro Takeshima, Hiroyuki Nakase  
Dept of Neurosurgery, Nara, Japan

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Neurobiology Research Unit, Copenhagen, Denmark
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Hospital for Special Surgery, New York, New York, USA
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London Bridge Hospital, London, UK
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Bang-Sang Hahn, Yong-Eun Cho  
Dept of Neurosurgery, Seoul, South Korea

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(1) AO Research Institute Davos, Davos, Switzerland; (2) Department of Orthopedics and Trauma Surgery, Medical Faculty, Albert-Ludwigs-University of Freiburg, Germany; (3) Department of Orthopedics and Trauma Surgery, Medical Center Inselspital Bern, Switzerland
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Dept of Neurosurgery, Santander, Spain
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Department of Orthopaedic Surgery, Hanyang University College of Medicine, Seoul, Republic of Korea
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Dept of Neurosurgery, Prague, Czech Republic

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Dept of General Surgery, Irkutsk, Russia
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Spine Care Institute, Hospital for Special Surgery, New York, USA
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Dept of Orthopaedic Surgery, Suwon, South Korea
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Luca Papavero, Carlos Marques, Jens Lohmann, Thies Fitting, Katrin Schawjinski, Nawar Ali, Rainer Maas  
Clinic for Spine Surgery, Schoen Clinic Hamburg Eilbek; Science Office of the Orthopedic and Joint Replacement Department, Schoen Clinic Hamburg Eilbek; Radiology Office Raboisen 38, Hamburg, Germany

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Dept. of Orthopaedic Surgery, Seoul National University Bundang Hospital, Korea
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Dept. of Orthopaedic Surgery, Seoul National University Bundang Hospital, Korea

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1 Department of Neurosurgery, Karolinska University Hospital, Stockholm, Sweden; 2 Department of Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden; 3 Department of Trauma and Musculoskeletal Radiology, Karolinska University Hospital, Stockholm, Sweden; 4 Department of Neuroradiology, Karolinska University Hospital, Stockholm, Sweden

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Akihiko Hiyama, Masahiko Watanabe  
Dept of Orthopaedic surgery, Tokai University, Kanagawa, Japan
- P77** BIportal ENDOSCOPIC VERSUS OPEN MICROSCOPIC LUMBAR REDO-DISCECTOMY FOR SYMPTOMATIC RECURRENT LUMBAR DISC HERNIATION  
Min-Seok Kang, Hyun-Jin Park  
Department of Orthopaedic Surgery, Bumjin Hospital Seoul, Seoul, South Korea
- P78** COMPARING EFFICACY OF LUMBAR DISC SPACE PREPARATION VIA AN OBLIQUE LATERAL APPROACH BETWEEN INTRAOPERATIVE CONVENTIONAL FLUOROSCOPY AND THREE-DIMENSIONAL IMAGING SYSTEM NAVIGATION: A CADAVERIC STUDY  
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Department of Orthopaedics, Faculty of Medicine, Chulalongkorn University



- P79** A COMPUTED TOMOGRAPHY (CT) ANALYSIS OF FORAMINAL CHANGE AFTER ANTERIOR (ALIF), EXTREME LATERAL (LLIF), AND OBLIQUE LATERAL LUMBAR INTERBODY FUSION (OLIF)  
huibing Ruan, Praveen Mummaneni, Cigui Qiu, Aaron Clark, Dean Chou  
Dept of Neurosurgery UCSF, USA
- P80** CLINICAL RESULTS OF MICROENDOSCOPIC LAMINOTOMY FOR LUMBAR SPINAL CANAL STENOSIS. MINIMUM 5 YEARS FOLLOW UP  
Yoshio Sakuma, Hogaku Gen, Yutaka Kono  
Dept of Spine Center, Chiba, Japan
- P81** MINIMALLY INVASIVE SHORT SEGMENT ANTEROPOSTERIOR SURGICAL MANAGEMENT OF THE THORACIC AND LUMBAR OSTEOPOROTIC FRACTURES WITH OSSEOUS SPINAL CANAL STENOSIS; A PROSPECTIVE STUDY.  
Mootaz Shousha, Mohamed Alhashash, Reza Bahrami, Heinrich Boehm  
Zentralklinik Bad Berka , Germany; Alexandria University, Egypt
- P82** COMPARATIVE RADIOGRAPHIC ANALYSIS AND CLINICAL OUTCOMES BETWEEN O-ARM NAVIGATED AND FLUOROSCOPIC-GUIDED MIS-TLIF  
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Department of Orthopedics, Faculty of Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital, Bangkok, Thailand
- P83** NAVIGATED ROBOTIC ASSISTANCE IMPROVES PEDICLE SCREW ACCURACY IN MINIMALLY INVASIVE SURGERY OF THE LUMBOSACRAL SPINE: 600 PEDICLE SCREWS IN A SINGLE INSTITUTION  
David Wallace, Arnold Vardiman, Neil Crawford, Jessica Riggelman, Samantha Greeley, Charles Ledonio, Brandon Bucklen  
Musculoskeletal Education and Research Center, a division of Globus Medical, Inc., Audubon, USA

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Zentralklinik Bad Berka, Germany; Alexandria University, Egypt
- P85** ANTERIOR COLUMN RECONSTRUCTION OF THE THORACOLUMBAR SPINE WITH A NEW MODULAR PEEK BODY REPLACEMENT DEVICE: RETROSPECTIVE CLINICAL AND RADIOLOGIC COHORT ANALYSIS OF 49 CASES  
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Dept of Orthopedics and Trauma Surgery, Inselspital, Bern, Switzerland
- P86** COMPARISON BETWEEN STANDARD MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION AND NOVEL CANNULATED TECHNIQUE: OPERATIVE TIME AND INSTRUMENT PASSES  
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- P87** COMPARISON BETWEEN STANDARD MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION AND NOVEL CANNULATED TECHNIQUE: DISC PREPARATION EFFECTIVENESS  
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- P88** VERTEBRAL BODY TETHERING IN LUMBAR CURVES. MEDIUM TERM FOLLOW UP MEAN 5 YEARS  
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Min-Seok Kang, In Seok Son  
Department of Orthopedic Surgery, Bumjin Hospital Seoul, Seoul, South Korea
- P90** A CHANGE IN REHABILITATION MODEL INCREASES WORK CAPACITY AT 12 MONTHS IN LOW BACK PAIN  
Norberg Michael, Norberg Marie-Anne  
Rehabilitation center Lavey, Lavey-les-Bains, Switzerland