



EOS & sterEOS

Full List of Publications

May 2018

Publications on EOS

- Church BD. Scoliosis visualization using ultrasound data. Master's Thesis, 2018
- Alqroom R. The Quest of Sagittal Balance Parameters and Clinical Outcome after Short Segment Spinal Fusion. Acta Informatica Medica, 2018
- Bagheri A, Liu X-C, Tassone C, Thometz J, Tarima S. Reliability of Three-Dimensional Spinal Modeling of Patients With Idiopathic Scoliosis Using EOS System. Spine Deformity, 2018
- Ben-Sira L, Shiran SI, Pratt L-T, Precel R, Ovadia D, Constantini S, Roth J. Use of EOS® low-dose biplanar X-ray for shunt series in children with hydrocephalus: a preliminary study. World Neurosurgery, 2018
- Jankowski PP, Yaszay B, Cidambi KR, Bartley CE, Bastrom TP, Newton PO. The Relationship Between Apical Vertebral Rotation and Truncal Rotation in Adolescent Idiopathic Scoliosis Using 3D Reconstructions. Spine Deformity, 2018
- Cho YJ, Kang K-C, Chun Y-S, Rhyu KH, Kim S-J, Jang T-S. Critical differences between subtrochanteric and diaphyseal atypical femoral fractures: analyses of 51 cases at a single institution in Korean population. Archives of Osteoporosis, 2018
- Brink RC, Schlösser TPC, van Stralen M, Vincken KL, Kruyt MC, Hui SCN, Viergever MA, Chu WCW, Cheng JCY, Castelein RM. Anterior-posterior length discrepancy of the spinal column in adolescent idiopathic scoliosis – a 3d CT study. The Spine Journal, 2018
- Clavé A, Sauleau V, Cheval D, Williams T, Lefèvre C, Stindel E. Can computer-assisted surgery help restore leg length and offset during THA? A continuous series of 321 cases. Orthopaedics and Traumatology: Surgery and Research, 2015
- Sekiya T, Aota Y, Yamada K, Kaneko K, Ide M, Saito T. Evaluation of functional and structural leg length discrepancy in patients with adolescent idiopathic scoliosis using the EOS imaging system: a prospective comparative study. Scoliosis and Spinal Disorders, 2018
- Pedersen PH, Petersen AG, Ostgaard SE, Tvedebrink T, Eiskjaer SP. EOS® Micro-Dose Protocol: First Full-Spine Radiation Dose Measurements in Anthropomorphic Phantoms

and Comparisons with EOS Standard-Dose and Conventional Digital Radiology (CR). Spine, 2018

- Joda T, Wolfart S, Reich S, Zitzmann NU. Virtual Dental Patient: How Long Until It's Here? Current Oral Health Reports, 2018
- Groisser B, Kimmel R, Feldman G, Rozen N, Wolf A. 3D Reconstruction of Scoliotic Spines from Stereoradiography and Depth Imaging. Ann Biomed Eng, 2018
- Ferrero E, Mazda K, Simon A-L, Ilharreborde B. Preliminary experience with SpineEOS, a new software for 3D planning in AIS surgery. Eur Spine J, 2018
- Cerquiglini A, Henckel J, Hothi H, Dall'Ava L, Shearing P, Hirschmann MT, Hart AJ. Computed Tomography Techniques Help Understand Wear Patterns in Retrieved Total Knee Replacement. J Arthroplasty, 2018
- Lahkar BK, Rohan P-Y, Pillet H, Thoreux P, Skalli W. Fast subject specific finite element mesh generation of knee joint from biplanar X-ray images. CMBBE, 2018
- Girinon F, Gajny L, Ebrahimi S, Dagneaux L, Rouch P, Skalli W. Quasi automated reconstruction of the femur from bi-planar X-rays. CMBBE, 2018
- Gajny L, Robichon L, Hernandez T, Vialle R, Skalli W. 3D reconstruction of adolescent scoliotic trunk shape from biplanar X-rays: a feasibility study. CMBBE, 2018
- "Ottardi C, Luca A, Galbusera F. Biomechanics of the Spine .Basic Concepts, Spinal Disorders and Treatments. Chapter 21 – Sagittal Imbalance. Academic Press, 2018"
- "Schlager B, Aguirre M-F I, Wilke H-J, Galbusera F. Biomechanics of the Spine. Basic Concepts, Spinal Disorders and Treatments Chapter 19 – Scoliosis. Academic Press, 2018"
- "Bassani T, Sconfienza LM, Galbusera F. Biomechanics of the Spine. Basic Concepts, Spinal Disorders and Treatments. Chapter 10 – In Vivo Studies: Spinal Imaging. Academic Press, 2018"
- Obid P, Yiu KKL, Cheung KM, Kwan K, Ruf M, Cheung JPY. Reliability of Rod lengthening, Thoracic and Spino-Pelvic Measurements on Biplanar Stereoradiography in Patients Treated with Magnetically Controlled Growing Rods. Spine, 2018
- Illés TS, Burkus M, Somoskeőy S, Lauer F, Lavaste F, Dubousset JF. Axial plane dissimilarities of two identical Lenke-type 6C scoliosis cases visualized and analyzed by vertebral vectors. Eur Spine J, 2018
- Gerow FT. Current concepts in scoliosis. PPT presentation, 2018

- Derman PB, Phillips FM. Radiographic Measurements of Spinal Alignment: Which Are Clinically Relevant?. *Contemp Spine Surg*, 2018
- Issa SP, Angelliaume A, Vidal C, Mazda K, Ilharreborde B. Do Sublaminar Polyester Bands Affect the Outcomes of Postoperative Infections After Adolescent Idiopathic Scoliosis Surgery?. *J Pediatr Orthop*, 2017
- Widmer D, Reising K, Kotter E, Helwig P. Correct Assessment of Acetabular Component Orientation in Total Hip Arthroplasty From Plane Radiographs. *J Arthroplasty*, 2018
- Westberry DE, Wack LI, Davis RB, Hardin JW. Femoral anteversion assessment: Comparison of physical examination, gait analysis, and EOS biplanar radiography. *Gait & Posture*, 2018
- Shim E, Kim Y, Lee D, Lee BH, Woo S, Lee K. 2D-3D registration for 3D analysis of lower limb alignment in a weight-bearing condition. *Appl Math J Chinese Univ*, 2018
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- Pea R, Dansereau J, Caouette C, Cobetto N, Aubin CE. Computer-assisted design and finite element simulation of braces for the treatment of adolescent idiopathic scoliosis using a coronal plane radiograph and surface topography. *Clin Biomech*, 2018
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- Pasha S, Flynn JM, Sankar WN. Outcomes of selective thoracic fusion for Lenke 1 adolescent idiopathic scoliosis: predictors of success from the sagittal plane. *Eur Spine J*, 2018
- Pasha S, Ecker M, Deeney V. Considerations in sagittal evaluation of the scoliotic spine. *Eur J Ortho Surg & Trauma*, 2018
- Nielsen E, Goldstein RY. Adolescent spine patients have an increased incidence of acetabular overcoverage. *J Hip Preserv Surg*. 2018
- Mohan Iyer K. The hip joints in adults, Advances and developments. *Pan Stanford*, 2018
- Madkouri R, Brauge D, Vidon-Buthion A, Fahed E, Mourier KL, Beaurain J, Grelat M. Improvement in Sagittal Balance After Decompression Surgery without Fusion in Patients

with Degenerative Lumbar Stenosis: Clinical and Radiographic Results at 1 Year. *World Neurosurgery*, 2018

- Khodaei M, Hill D, Zheng R, Le LH, Lou EHM. Intra- and inter-rater reliability of spinal flexibility measurements using ultrasonic (US) images for non-surgical candidates with adolescent idiopathic scoliosis: a pilot study. *Eur Spine J*, 2018
- Hung CW, Wu MF, Yu GF, Ko CC, Kao CH. Comparison of sagittal parameters for anterior cervical discectomy and fusion, hybrid surgery, and total disc replacement for three levels of cervical spondylosis. *Clin Neurology Neurosurg*, 2018
- Ferrero E, Ilharreborde B, Mas V, Vidal C, Simon A-L, Mazda K. Radiological and functional outcomes of high-grade spondylolisthesis treated by intrasacral fixation, dome resection and circumferential fusion: a retrospective series of twenty consecutive cases with a minimum of 2 years follow-up. *European Spine Journal*, 2018
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- Dzialo Cm, Pedersen PH, Simonsen CW, Jensen KK, de Zee M, Andersen MS. Development and validation of a subject-specific moving-axis tibiofemoral joint model using MRI and EOS imaging during a quasi-static lunge. *J Biomech*, 2018
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- Berthier Brasil AV, Fruett da Costa PR, Vial ADM, da Costa Barcellos G, Balverdu Zauk E, Worm PV, Ferreira MP, Ferreira NP. Cervicothoracic Lordosis Can Influence Outcome After Posterior Cervical Spine Surgery. *The Open Orthop J*, 2018
- Barbier O, Skalli W, Mainard D. Changes in pelvic orientation after total hip arthroplasty : a prospective study with EOS™. *Acta Orthop Belg*, 2018
- Aubry S, Padoin P, Petegnief Y, Vidal C, Riethmuller D, Delabrousse E. Can three-dimensional pelvimetry using low-dose stereoradiography replace low-dose CT pelvimetry?. *Diag & Interventional Imaging*, 2018

- Le Navéaux F, Larson AN, Labelle H, Wang X Aubin CE. How does implant distribution affect 3D correction and bone-screw forces in thoracic adolescent idiopathic scoliosis spinal instrumentation?. Clin Biomech. 2016
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- Barton CB, Weinstein SL. Pathogenesis of Idiopathic Scoliosis - Chapter 2 - Adolescent Idiopathic Scoliosis: Natural History. Springer Japan KK, 2018
- Dubousset J. Pathogenesis of Idiopathic Scoliosis - Chapter 1 - Definition of Adolescent Idiopathic Scoliosis. Springer Japan KK, 2018
- Rivière C, Lazic S, Dagneaux L, Van Der Straeten C, Cobb J, Muirhead-Allwood S. Spine–hip relations in patients with hip osteoarthritis. EFORT open reviews, 2018
- Law M, Ma WK, Lau D, Cheung K, Ip J, Yip L, Lam W. Cumulative effective dose and cancer risk for pediatric population in repetitive full spine follow-up imaging: how micro dose is the EOS microdose protocol?. Eur J Radiol, 2018
- Mavrogenis AF, Megaloikonomos PD, Mauffrey C, Scarlat MM, Simon P, Hasegawa K, Fokter SK, Kehr P. The best cited articles of the European Journal of Orthopaedic Surgery and Traumatology (EJOST): a bibliometric analysis. European Journal of Orthopaedic Surgery & Traumatology, 2018
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- Yeganeh A, Moghtadaei M, Motalebi M. A challenge on orthopedic sciences: The Influence of Spinal Disease and Deformities on Total Hip Arthroplasty: A review on literature. *European Spine Journal*, 2018
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