6th Biennial International RSA Meeting 2019 4th-6th April 2019



Aarhus University

Søauditorierne (Merete Barker auditorium) Bartholin Allé 3, building 1253, room 211 8000 Aarhus C, Denmark

Final program

Thursday A	pril 4th	
8.00	Registration in Søauditoriet, Aarhus University	
8.30	Welcome	Maiken Stilling
8.45	International RSA Society Update	Rob Nelissen
9.00	Session 1	
UPPER	Long-term outcomes of the surface replacement trapeziometacarpal joint prosthesis: a radiostereometric study with 10 years of follow-up	Bart ten Brinke
EXTREMITY	Increased migration and more revisions of MOTEC compared with ELECTRA cups. A 2-year RSA study of trapeziometacarpal prostheses	Lene Dremstrup
Session chair: Janni Thillemann	Precision of elbow kinematics with dynamic RSA	Chalotte Krabbe Hemmingsen
Torben Bæk-Hansen	Distal Radioulnar Joint stability after foveal TFCC reinsertion compared to ligament reconstruction. A randomized experimental static radiostereometry study	Janni Kjærgaard Thillemann
	Evaluation of implant fixation in reverse total shoulder arthroplasty: A prospective, randomized clinical trial	Madeleine Van de Kleut
	Stable fixation of the stemless humeral component of the Simpliciti Shoulder System: a radiostereometric study with 12 months of follow-up	Bart ten Brinke
10.00	Coffee/Tea	
10.30	Keynote 1 Associate Professor Dr. Ir. Bart L Kaptein Wear Measurements in Total Knee Arthroplasty	
11.00	Session 2	
KNEE	Marker-based versus model-based radiostereometric analysis in randomized controlled trials to identify differences in migration of total knee arthroplasties	Koen van Hamersveld
Session chair:	The effect of bone quality on migration in unicompartmental knee arthroplasty. A prospective cohort study using dual x-ray absorptiometry and radiostereometric analysis	Daan Koppens
Søren Rytter Leif Ryd	Similar and good fixation of cementless and cemented Oxford Partial Knee Tibial Trays at 5 years follow-up. A Randomized RSA Study	Maiken Stilling
	Tibial fixation of a bicruciate versus a posterior cruciate retaining TKA	Petra Heesterbeek
	Is a delayed reference exam more useful for predicting acceptable fixation in cemented and uncemented TKA?	Elise Laende
	Early follow-up of hybrid Total Knee Arthroplasty (TKA) using Persona® prostheses	Müjgan Yilmaz
12.00	Lunch	

13.00	Session 3	
KNEE	Pilot study to evaluate fixation of tibial trays with metaphyseal sleeve revision total knee arthroplasty	Glen Richardson
Session chair:	The effect of moulding versus machining on bearing wear in Oxford unicompartmental knee replacement	Stephen Mellon
Mike Dunbar Stuart Callary	Micromotion of a cemented hinged type knee revision system with model-based RSA - preliminary results	Petra Heesterbeek
	An Uncemented 3D-printed versus a Cemented Cruciate-Retaining Total Knee Replacement: 2 years results of a randomized controlled trial using Radiostereometric Analysis	Shaho Hasan
	Implant migration of a cemented, fixed-bearing medial unicompartmental knee arthroplasty with mid-term follow-up	Daan Koppens
	Radiostereometric analysis of tibia and patella components from a 3-D printed total knee arthroplasty	Chad Munro
	Highly cross-linked polyethylene liner shows 10% of the annual wear rate of a conventional polyethylene liner	Halldor Bergvinsson
	Comparison of Migration and Kinematics Between Anatomically and Mechanically Designed Total Knee Arthroplasty Implants	Matthew Teeter
	Similar Proximal Migration but Inferior Stabilization of Cementless Compared with Cemented Dual Mobility Cups in Elderly Coxarthrosis Patients. A Blinded Randomized Radiostereometric and Dual-Energy X-Ray Absorptiometry Study with 24 months follow-up	Steffan Tabori Jensen
14.30	University Guided Tour	
15.30	Coffee/Tea	
15.30	Work Group Meetings in Stakladen, Aarhus University	
18.00	Transport to NRT (30 min)	
18.30	Networking and showcasing of Adora RSA Hot dog stand and draft beer (supper)	NRT
~21.00	Transport to Aarhus City (30 min)	

Friday April	5th	
8.30	Welcome Professor, Head of Department of Clinical Medicine Jørgen Frøkiær	
8.50	Session 4	
EXPERIMENTAL	Validating RSA precision in a low dose biplanar x-ray imager using an in-vivo TKA model	Jennifer Hurry
Session chair:	Feature Points vs. MTPM approach for the interpretation of a tibial total knee arthroplasty component migration using model-based RSA	Yutong Hong
Bart Kaptein	A simulation environment for RSA devices	Marco Bontempi
Martin Downing	Accuracy and precision of bead-based micro-motion analysis in biplanar pushbroom-projected radiographic scans	Kristian Kjærgaard
	Model-based Roentgen Stereophotogrammetry (MBRSA) of Radiopaque Polyethylene prosthesis: a Pilot Study	Fedra Zaribaf
	Validation of in vivo linear and volumetric wear measurement for reverse total shoulder arthroplasty using model-based radiostereometric analysis	Madeleine Van de Kleut
	The pitfalls of statistical analysis among RSA studies: would further guidelines help?	Sami Finnilä
10.00	Coffee/Tea	
10.30	Keynote 2 Professor Dr. Ir. Nico Verdonschot Using computer models to assist in safer clinical introduction of orthopeadic implants	
11.00	Session 5	
CT and	Accuracy and precision of a CT method for assessing migration in shoulder arthroplasty: an experimental study	Cyrus Broden
SOFTWARE	CT-based micromotion analysis compared to RSA-based: precision and accuracy in patient and phantom hip	Olof Sandberg
Session chair: Nico Verdonshot	Low dose CT-based implant micromotion analysis: precision data from three ongoing THA studies	Cyrus Brodén
Sepp de Raedt	Radiostereometric analysis as a limiting case of cone-beam CT reconstruction	David Holdsworth
эерр ае каеат	Performance evaluation of a peripheral cone-beam CT scanner with weight-bearing capabilities	Rudy Baronette
	Validation of RSA software and method for Glenoid stability and contact point assessment	Martin Downing
12.00	Lunch	

13.00	Session 6	
	Fixation and functional outcomes of Exceed cups with porous compared to	Peter Bo
BEST PAPER	electrochemically applied hydroxyapatite coating (BoneMaster). A randomized clinical radiostereometry study	Jørgensen
Session chair:	Dynamic RSA and OpenSim: investigation of the joint biomechanic modifications after anterior cruciate ligament reconstruction	Marco Bontempi
Rob Nelissen Maiken Stilling	A randomized, double-blind, non-inferiority trial, evaluating migration of a cemented vitamin-E stabilized highly cross-linked cup compared to a standard polyethylene cup in reverse hybrid total hip arthroplasty	Olof Sköldenberg
	RSA and Registries: 1.850.000 total knee replacements with ten year follow- up	Shaho Hasan
	Association between early inducible displacement and later continuous migration in cemented and uncemented tibial components	Elise Laende
	Trabecular Metal Cup-Cage Construct in Immediate Total Hip Arthroplasty for Osteoporotic Acetabular Fractures. A Radiostereometric Analysis	Daud Chou
14.00	GENERAL ASSEMBLY for THE INTERNATIONAL RSA SOCIETY	
15.00	Coffee/Tea	
15.30	PRESENTATIONS FROM RSA WORK GROUPS	
16.30	Awards Presentation of 7th International RSA Meeting	
18.30 - 22.30	Dinner at Brdr. Koch Restaurant "Det Glade Vanvid" (Happy Madness)	

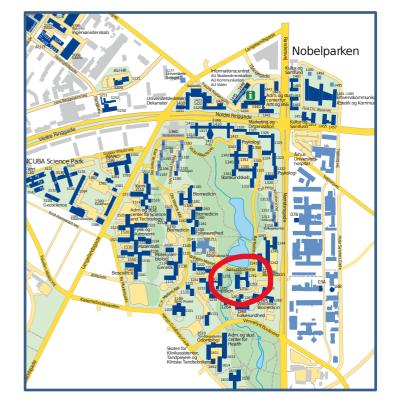
Saturday April 6th		

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8.30	Session 7 Femoral Impaction Bone Grafting at Two-Stage Revision Total Hip	Stuart Callary
HIP SESSION	Arthroplasty for Infection	Stuart Callary
HIL SESSION	Interrater-reliability of roentgen stereophotogrammetric analysis: A	Jing Xu
Session chair:	retrospective analysis with multi-raters	3 3
Session Chair.	Early radiostereometric analysis of a 3-D printed uncemented acetabular	Chad Munro
Johan Kärrholm	cup	
Stephan Röhrl	Vitamin E diffused THA liners show less head penetration after 5 years	Kristian Kjærgaard
1	postoperatively compared to HXLPE in a randomized controlled trial	1, 1,
	Comparison of two roentgen stereophotogrammetry methods for the	Jing Xu
	measurement of hip stem migration in a clinical retrospective study Implant migration and patient reported hip function two year after primary	Nienke
	uncemented THA	Willigenburg
	No effect of liner type on migration patterns and patient-reported hip	villigeriburg
	function up to two years after primary Total Hip Arthroplasty (THA) using an	Amanda Klaassen
	innovative uncemented Trabecular TitaniumTM cup	
	Total Hip Arthroplasty Surgical Approach and Implant Design: Effects on	Matthew Teeter
	Patient Function, Patient Activity, and Implant Migration	
	Three Year Wear and Migration of a Dual Mobility Hip Cup	Glen Richardson
	A Review of Acetabular Component Migration Measured using	Stuart Callary
10.10	Radiostereometric Analysis following Revision Total Hip Arthroplasty	
10.10	Coffee/Tea	
10.10 10.40	Coffee/Tea Keynote 3 Associate Professor Scott Arthur Banks	
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10.40 11.10	Keynote 3 Associate Professor Scott Arthur Banks In Regione Caecorum Rex Est Luscus - Towards routine clinical examinations of joint kinematics.	Laura Bragonzoni
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Congress Venue

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Denmark



CIACOTTERS! SUBJECTION SOUNDS: SOUND

Dinner Venue Friday

"Det Glade Vanvid" Pakkerivej 2

8000 Aarhus C

Questions

Contact Maiken Stilling +45 24 65 13 62

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