

EKS CLOSED MEETING

29 NOVEMBER – 1 DECEMBER 2023

BORDEAUX, FRANCE



European
Knee
Society



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WELCOME

Dear Colleagues and Friends,

It is our pleasure to welcome you to the closed EKS meeting in Bordeaux. This event will take place from Wednesday 29th November to Friday 01st December in the beautiful Intercontinental Grand Hotel, located in the heart of the city.

This meeting will be the opportunity to present cutting-edge evidence related to knee arthroplasty, whilst discovering the elegant city of Bordeaux. We have planned 7 scientific sessions over the 3 days. Of the 57 abstracts we received, 45 were selected to be presented.

The meeting will start on Wednesday, with a welcome drinks reception and dinner to be held in the Intercontinental Grand Hotel in the evening for Active and International members. On Thursday afternoon, we have planned a visit to the picturesque village of St. Emilion with, of course, a wine tasting in the monolithic caves of the Manoir Galhaud. We will then proceed to Chateau Pavie for the President's dinner, known to be one of the best producers of premier Grand Cru wine in St Emilion.

We hope this will be an excellent opportunity to promote and strengthen friendships among members. We are looking forward to meeting you all here in Bordeaux!

Amicalement,

Charles Rivière (Local Organizer)

Francesco Benazzo (President)

DAY 1 - 29 NOVEMBER 2023

- 14:30 - 16:00 Registration
16:00 - 16:40 Welcome Coffee reception
16:40 - 16:50 Welcome and Introduction
F. Benazzo / C. Riviere
16:50 - 17:00 Results of the EKS survey
C. Riviere

Session 1 (85 min) - Alignment & Implant Design

Moderators: F. Benazzo / S. Lustig

- 17:00 - 17:10 Keynote lecture - Defining the framework: concept of 'physiological arthroplasty'
C. Riviere
- 17:10 - 17:20 Keynote lecture - Balancing the third space of a 'physiological TKA'
M. Hirschmann
Q&A (5 min)
- 17:25 - 18:21 Free papers session - 8 presenters (5'+2')
- 17:25 Why we need CPAK (or other) phenotyping, and how this contributes to our understanding of the OA knee
J. Bellemans
- 17:32 Toward functional reconstruction of the pre-diseased state in robotic total knee arthroplasty: defining the target in a patient cohort
N. Verdonshot
- 17:39 Personalized 'blended' alignment in total knee arthroplasty with the use of mechanical instruments and angulated wedges
A. Baldini
- 17:46 Kinematic alignment using the Sphere TKA – clinical outcome and survival at 4-years
A. Pice
- 18:53 Management of preoperative extension deficit in robotic assisted kinematically aligned TKA
J. Moya-Angeler
- 18:00 Which method for Femoral Component Sizing when performing a Kinematically Aligned TKA? An in-silico study
C. Riviere
- 18:07 Trochlea morphology demonstrates variability but no gender differences in patients undergoing robotically assisted TKA
A. Klasan
- 18:14 Off-the-shelf TKA fails to restore the native patellofemoral alignment regardless of the alignment strategy
A. Klasan
- 18:21 - 18:25 Session's wrap up
T. Calliess
- 18:25 Coffee break (20 min)

DAY 1 - 29 NOVEMBER 2023

18:45 **Session 2 (75 min) - Alignment & Implant Design** **Moderators: S. Campi / S. Parratte**

18:45 - 18:55 *Keynote lecture - Custom TKA: for complex situations or for everyday TKA?*

M. Bonnin

Q&A (5 min)

19:00 - 19:56 *Free papers session - 8 presenters (5'+2')*

19:00 *Achieving Better Clinical Outcomes after Total Knee Arthroplasty in valgus knee deformity: The Role of Alignment Strategies.*

C. Batailler

19:07 *Better Motor Control during the Forward Lunge after inverse Kinematic Aligned TKA Compared to adjusted Mechanical Aligned TKA - a Comparative, Blinded Analysis of 45 Subjects at 2 Years Postop*

P. Winnock de Grave

19:14 *Impact of tibial component alignment boundaries on femoral component orientation in functionally aligned TKA*

T. Luyckx

19:21 *The Oxford Partial Surgical Technique – pre-disease physiological joint line reconstruction*

W. Jackson

19:28 *How Reproducible is the Callipered KA Technique for Aligning the Tibial Component of a Medial OXFORD® UKA?*

C. Riviere

19:35 *Similar Survivorship for Uncemented Mobile-Bearing and Cemented Fixed-Bearing Medial Unicompartmental Knee Arthroplasty but Different Reasons for Revision*

P. Monk

19:42 *Does Alignment Technique in Medially Stabilised Total Knee Arthroplasty Affect the Patello-Femoral Joint? Clinical and Radiological Outcomes at 1 year*

H. Pandit

19:49 - 20:00 *Session's wrap up*

T. Heyse

20:00 - 21:00 *Welcome drink in Grand Hôtel (Salon Margaux)*

21:00 *Welcome Dinner for Active and International Members in Restaurant Bordeaux*

DAY 2 - 30 NOVEMBER 2023

Session 3 - Knee replacement for Young (Under 55) Active Patient Moderators: J. Cobb / J. Bellemans

09:00 - 09:10 Keynote lecture 1 - Alignment techniques (MA Vs KA Vs rKA Vs FA) for TKA: Does it matter in the young and active patient?

E. Thienpont

Q&A (5 min)

09:15 - 09:25 Keynote lecture 2 - Influence of sporting activities on TKA and UKA outcomes: what should we advise ?

A. Price

Q&A (5 min)

09:30 - 10:26 Free papers session - 9 presenters (5'+2')

09:30 Long-Term Results of Primary Total Knee Arthroplasty Performed in Patients 35 Years of Age and Younger

T. Heyse

09:37 Lateral UKA can be a safe solution in a young patients' population: 10 years follow up report

S. Rossi

09:44 Fifteen Year Results of Cementless Medial Oxford Unicompartmental Knee Replacement

C. Dodd

09:51 High rates of return to sport following image-based robotic-arm assisted unicompartmental knee arthroplasty

F. Catani

09:58 The Added Utility of Magnetic Resonance Imaging in Pre-operative Assessment for Patients Undergoing Medial Unicompartmental Knee Arthroplasty

P. Monk

10:05 The knee arthroplasty usage profile of orthopaedic surgeons and the association with patient-reported outcome: A cohort study of 2045 patients.

A. Troelsen

10:12 A Second PKA behaves more like a primary PKA than a primary TKA

J. Cobb

10:19 The outcome of revision knee surgery in patients who had their primary arthroplasty aged 55 years or less.

C. Esler

10:26 CPAK classification cannot determinate segmental extra-articular knee deformity

M. Ollivier

10:33 - 10:38 Session's wrap up

G. Jones

10:38 Coffee break (30 min)

DAY 2 - 30 NOVEMBER 2023

Session 4 - Revision

Moderators: A. Porteous / G. van Hellemond

- 11:08 - 11:18 Keynote lectures - The use of biomarkers/molecular (DNA-based and RNA-based quantitative PCR) diagnostic tools for diagnostic of PJI
V. León-Muñoz
Q&A (5mn)
- 11:23 - 12:33 *Free papers session - 10 presenters (5'+2')*
- 11:23 Post-operative Continuous Passive Motion does not improve Range of Motion achieved after Manipulation Under Anaesthesia for stiffness in Total Knee Arthroplasty
B.V. Bloch
- 11:30 Does CT Imaging Improve Tibial Defect Prediction for Zonal Fixation?
F. Boettner
- 11:37 Association between postoperative fixation and later aseptic loosening in revision total knee arthroplasty with hybrid fixated tibial components
SN. Van Laarhoven
- 11:44 Construct stability of revision Total Knee Arthroplasty with tibial cones: preliminary results of a radiostereometric analysis (RSA)
PJC. Heesterbeek
- 11:51 Clinical and biomechanical evaluation of custom metaphyseal cones for complex revision total knee implants with major bone loss
B. Innocenti
- 11:58 Nutritional status and mortality rate of patients who have undergone revision TKR: a retrospective analysis of 234 patients
J. Palan
- 12:05 Knee function and QoL with an articulating spacer. Can we identify an ideal candidate for the 1.5-stage?
G. Balato
- 12:12 A comparison between stemmed, cementless and unstemmed tibial components in Total Knee Arthroplasty in obese patients
B. von Bloch
- 12:19 Low Rate of Tibial Debonding in a Popular Knee Replacement Analysis of a Single Specialist Knee Surgeon Survival Data for the NexGen LPS Flex Femur using Option Tibia Compared to the Precoat Tibia : a 14 year Follow-up Study
P. Chapman-Sheath
- 12:26 Individual Phenotype does not impact the Outcome of Mechanical Aligned Total Knee Arthroplasties for Valgus Osteoarthritis
F. Boettner
- 12:33 - 12:37 Session's wrap up
S. Rossi

DAY 2 - 30 NOVEMBER 2023

Afternoon program **with** visit to St-Émilion

- 12:30 - 15:00 Lunch - Pick up your restaurant in Bordeaux (see the list of recommended addresses)
- 15:00 First departure to St-Émilion by coach (pick up in front of the Hotel)
- 15:50 - 17:50 Visit of the village of St-Émilion. Optional and based on registration:
wine degustation at Manoir Galhaud (duration 45 min) at 16.00 and 17.20;
max 45 pax per degustation
- 17:50 Transfer to Château Pavie (Premier Grand Cru St Émilion Classé A): by coach
(pick up in front of Manoir Galhaud) or by foot (20min - 1,8km away)
- 18:00 - 19:00 Arrival and Visit to the Cellars of Château Pavie
- 19:00 - 19:20 Inauguration ceremony by the Jurade
- 19.20 - 20:00 EKS Champagne Reception at Château Pavie
- 20:30 - 23:30 Presidential EKS diner (4 courses menu) at Château Pavie
- 23:30 Departure to Grand Hotel Intercontinental Bordeaux

Afternoon program **without** visit to St-Émilion

- 12:30 - 15:00 Lunch - Pick up your restaurant in Bordeaux (see the list of recommended addresses)
- 17:00 Second departure: directly to Château Pavie by coach (pick up in front of the Hotel)
- 18:00 - 19:00 Arrival and Visit to the Cellars of Château Pavie
- 19:00 - 19:20 Inauguration ceremony by the Jurade
- 19.20 - 20:00 EKS Champagne Reception at Château Pavie
- 20:30 - 23:30 Presidential EKS diner (4 courses menu) at Château Pavie
- 23:30 Departure to Grand Hotel Intercontinental Bordeaux

DAY 3 - 1 DECEMBER 2023

09:00 - 10:00 General Assembly

Session 5 - Technology and Efficiency

Moderators: A. Baldini / H. Vandenneucker

10:00 - 10:10 Keynote lectures - OR efficiency: The rationale? Improving the quality of care? Key concepts? How to implement it?

T. Ait Si Selmi

Q&A (5 min)

10:15 - 11:11 Free papers session - 8 presenters (5'+2')

10:15 An untrained open-source natural language processing tool (ChatGPT) can make complex surgical decisions with confidence similar to experienced surgeons: a comparative analysis

G. Jones

10:22 Radiographic assessment of Unicompartmental Knee replacement: A comparison between machine learning and an experienced surgeon

D. Murray

10:29 Accuracy of the ROSA robotic system for targeted resection thickness in Total Knee Arthroplasty

E. Tsiridis

10:36 Is your robot telling the truth? In-vivo accuracy of a new robotically-assisted system for total knee arthroplasty: a prospective cohort study

P. Monk

10:43 Ligament balance in image-based robotic-assisted TKA with functional implant positioning: an objective assessment using intraoperative sensor technology

S. Lustig

10:50 Robotic-assisted total knee Arthroplasty (TKA) implemented with a tensor: Mechanical versus functional alignment and effect on femoral component external rotation

F. Rosso

10:57 Less costs for image-based robotic TKA 2023 compared to 2018

T. Calliess

11:04 Incidental findings on planning CT scans for robotic surgery. Are your scans routinely reported? If they are not, then maybe they should be

J. Philips

11:11 - 11:15 Session's wrap up

T. Luyckx

11:15 Coffee break (30 min)

DAY 3 - 1 DECEMBER 2023

Session 6 - Miscellaneous

Moderators: J-N. Argenson / D. Barrett

11:45 - 11:55 Keynote lecture - Knee replacement and extreme osteoporosis

A. Klasan

Q&A (5 min)

12:00 - 12:10 Keynote lecture - Which alignment techniques for UKA (MA Vs KA Vs rKA Vs FA) ?
Does it matter in the young and active patient?

W. Jackson

Q&A (5 min)

12:15 - 12:25 Very young active patients with unicompartmental bone on bone knee OA: does knee osteotomy play a role?

M. Ollivier

Q&A (5 min)

Session 7 - Best papers award

Moderators: T. Heyse / P. Adravanti

12:30 Robotic-assisted total knee arthroplasty is associated with earlier return of symmetrical limb function compared to conventional techniques using wearable sensors: a prospective cohort study

P. Monk

12:37 The Impact of Image-Based Robotic-Assisted Total Knee Arthroplasty with Functional Positioning Principles: Anterior Compartment Restoration and One-Year Follow-Up Results

S. Lustig

12:44 Favorable early outcomes of Medial Unicompartmental Knee Arthroplasty as primary treatment for medial meniscus root tears (MMRT) with meniscal extrusion and early phase radiographic osteoarthritis

N. Innocenti

12:51 - 12:55 Session's wrap up

M. Liebensteiner

12:55 Closing Remarks – Meeting Chair

C. Riviere

13:00 Closing Remarks – President

F. Benazzo

13:05 Departure or extended stay