



European
Knee
Society



**EKS Closed Meeting
15-17 January 2025
Zermatt, Switzerland**

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The European Knee Society Board 2025

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Second Vice-President	Sebastien Parratte
Past-President	Michel Bonnin
Treasurer and executive committee	Sebastien Parratte
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Executive committee	Jan Victor
Research and publication committee	Thomas Heyse
Membership committee	Nick London
Fellowship committee	Sebastien Lustig
Communication committee	Stefano MP Rossi

Past-Presidents of the European Knee Society

2013	Ate Wymenga
2014	Jean-Noël Argenson
2015	Johan Bellemans
2016	Jan Victor
2017	Chris Dodd
2018	Andrea Baldini
2019	Emmanuel Thienpont
2020	Fabio Catani
2021	Gijs van Hellemond
2022	David Barrett
2023	Francesco Benazzo
2024	Michel Bonnin

Welcome to Zermatt for the 10-year anniversary of the European Knee Society!

Dear Colleagues,

It is our pleasure to forward you the program for the European Knee Society Closed Meeting in the beautiful mountains of Zermatt, Switzerland.

You will find enclosed the program of all events and some useful information on your stay in Zermatt. The scientific sessions will start on Wednesday, January 15th in the afternoon.

A free afternoon is planned on Thursday, January 16th, followed by the Anniversary Gala Dinner.

On Friday, January 17th, the meeting will continue until 12.40, which will allow you to further enjoy the snow or travel home in due time.

This closed meeting will also be an excellent occasion to socialize with your peers during the dinners and on the slopes.

Members wishing to extend their stay can do this upon availability, by contacting their respective hotels.

We are looking forward seeing you all very soon in Zermatt!

On behalf of the EKS Board,

With our very best regards,

Anders Troelsen
EKS President 2025

Bernhard Christen
Local Organizer

Social Events

Wednesday, 15 January 2025 - 20.00

Active and International Members including guests are invited to attend the EKS Welcome Dinner. The dinner will take place at

[Restaurant Du Pont, Oberdorfstrasse 7, 3920 Zermatt, Schweiz](#)

Registration is closed.

Thursday, 16 January 2025 - 20.00

Active, International and Junior members including guests, are invited to attend the Anniversary Dinner on Thursday evening.

The dinner will take place at The Backstage Hotel, the same venue as where our scientific program takes place.

The dinner concept will be a standing “Flying Dinner”, so no formal white cloths and round tables, but a more relaxed setting and a possibility for you to interact with a lot more of your colleagues.

We hope that you all are up for a proper celebration of our society, on this special evening!

Dress code is business casual.

Registration is closed.

Travel Information

We suggest flying to either Zürich Airport or Geneva Airport. From here the most efficient way to Zermatt is by train (3½ - 4½ hours) - comfortable and stress free.

The airport in Lyon-Saint Exupéry Airport (France) and the Milano Malpensa Airport (Italy), are alternatives to the airports in Switzerland, but the public transport options from these airports are not optimal.

If you arrive by car, you are only allowed as far as Matterhorn Terminal Täsch. From here you must park your car. The parking garage is located on the right side, just before entering the roundabout. Here you can pick up a cart (deposit 5 CHF) and load up your bags and equipment and take the train directly to Zermatt. The train departments from Täsch every 20-30 minutes.

You can call your hotel before arriving in Zermatt, to arrange transfer from the train station in Zermatt to the hotel.

It is also possible to take a taxi from Täsch to Zermatt, but please note that you will only be able to travel to the Zermatt Hotspot. From here you can either walk, take a local e-taxi in Zermatt, or arrange a pickup with your hotel.

[Press here for parking information](#)

[Press here for general information about arriving to Zermatt](#)

Useful recommendations

Taxi's

E-Taxi & E-transportes Christophe

Tel. + 027 967 3535

E-mail: info@3535.ch

Web: <https://www.3535.ch/de/allgemein/home>

Good service, and the best rates – both in- and outside of Zermatt.

Abstract presentations

Please prepare your presentation(s) in due time and send this to europeankneesociety.secretariat@gmail.com, no later than Wednesday January 15, 2025, at 12.00.

The presentations will be uploaded in advance to the presentation PC at the venue.

Program - Wednesday, 15 January 2025

16.30 **Registration opens at The Backstage Hotel.**

17.30 – 17.40 **Welcome and housekeeping**

17.40 – 18.35 Session I: Primary total knee arthroplasty <i>Moderators: Jean-Noël Argenson & Stefano Campi</i>

17.40 – 17.46 Evaluation of a continuous series of 969 Individualized TKA
Michel Bonnin

17.46 – 17.54 The Learning Curve of a Custom Made, Individualised Total Knee Arthroplasty System
Antonio Klasan (New Active Member)

17.54 – 18.00 Do Cement Pockets Reduce the Risk of Revision for Tibial Loosening?
Benjamin Bloch

18.00 – 18.06 The effects of over- and under-stuffing the anterior knee compartment in primary TKA: a systematic review
Mo Saffarini

18.06 – 18.12 Type IIB spinopelvic imbalance is an independent risk factor for flexion contracture after knee arthroplasty
Matteo Innocenti

18.12 – 18.18 Mechanical evaluation of the KneeReviver device in knee joint distraction for tibiofemoral osteoarthritis treatment
Nico Verdonschot

18.18 – 18.35 Discussion

18.35 – 19.35 Session II: Unicompartmental Knee Arthroplasty <i>Moderators: Gareth Jones & Bernhard Christen</i>

18.35 – 18.41 Similar Functional Results in Patients outside the Classical Criteria for Medial Unicompartmental Knee Arthroplasty
Jean-Noël Argenson

18.41 – 18.47 Does the CPAK classification affect the results of unicompartmental knee arthroplasty? Short-term results of a retrospective series of consecutive cases.
Stefano Campi

18.47 – 18.53 UKA in morbidly obese patients with a minimal BMI of 35
Emmanuel Thienpont

18.53 – 18.59 The Effect of Bearing Dislocations, Tibial Periprosthetic Fractures, and Infections on Patient Reported Outcomes after Mobile-Bearing Medial Unicompartmental Knee Arthroplasty
Anders Troelsen

- 18.59 – 19.05 The Use of an Imageless Robotic System in Revision of Unicompartmental Knee Arthroplasty (UKA): Surgical Technique and Outcomes
Stefano MP Rossi
- 19.05 – 19.11 Revision of UKA to TKA: not always an easy revision to a straightforward primary!
Benjamin Bloch
- 19.11 – 19.35 Discussion
- 19.35 END OF SCIENTIFIC PROGRAM DAY 1**
- 20.00 Welcome Dinner for Active and International Members at Restaurant Du Pont**

Program - Thursday, 16 January 2025

08.00 – 08.05 Good morning and housekeeping

08.05 – 09.00 *Session III: Problematic knee arthroplasty*
Moderators: Andrea Baldini & Benjamin Bloch

08.05 – 08.11 Is a single dose of thromboembolic prophylaxis sufficient following outpatient hip and knee arthroplasty?

Kirill Gromov

08.11 – 08.17 Nocturnal Pain after Knee Arthroplasty

Emmanuel Thienpont

08.17 – 08.23 **BEST PAPER NOMMINEE:** The Role of soft tissue thickness in the “good-looking but painful TKA”: a retrospective analysis based on pre-operative CTscan evaluation

Matteo Innocenti

08.23 – 08.29 Differences in inflammatory mediators in synovial fluid in painful total knee arthroplasty might drive unexplained pain and can be modulated by intra-articular steroid administration

Nicholas Kalson

08.29 – 08.36 Prophylaxis for Complex Regional Pain Syndrome Recurrence with and without Vitamin C in Total Knee Arthroplasty: A Propensity Score Matched Analysis on 1,088 Patients

Philippe Hernigou

08.36 – 08.42 DAIR after PKA and TKA is associated with similar failure rates in the Swiss national arthroplasty registry SIRIS

Bernhard Christen

08.42 – 09.00 Discussion

09.00 – 09.45 *Session IV: Revision knee arthroplasty I*
Moderators: Sebastien Lustig & Francesco Benazzo

09.00 – 09.06 Consensus statement on problematic knee replacement and revision knee replacement: A collaboration between EKS and BASK

Andrew Porteous

09.06 – 09.12 **BEST PAPER NOMMINEE:** Automatic detection of aseptic loosening in total knee arthroplasty using deep learning: an AI proof-of-concept study

Petra Heesterbeek

- 09.12 – 09.18 Accuracy of Digital Radiographic Preoperative Planning for Revision Total Knee Arthroplasty when using a Zonal Fixation Algorithm
Andrea Baldini
- 09.18 – 09.24 Patient reported outcome measures (PROM) from aseptic revision after total knee arthroplasty
Kirill Gromov
- 09.24 – 09.30 Gain in Range of Motion after Revision Total Knee Arthroplasty for Severe Stiffness with a Rotating Hinge Implant.
Simon van Laarhoven
- 09.30 – 09.45 Discussion
- 09.45 – 10.00 Coffee break**

<p>10.00 – 10.45 <i>Session V: Revision knee arthroplasty II</i> <i>Moderators: Andrew Porteous & Gijs van Hellemond</i></p>

- 10.00 – 10.06 Extensor mechanism allograft after total knee arthroplasty: an effective procedure but with a significant risk of complications.
Cecile Batailler
- 10.06 – 10.12 Efficiency of implant removal in total knee arthroplasty revision
Andrea Baldini
- 10.12 – 10.18 Antiseptics' Concentration, Combination, and Exposure Time on Bacterial and Fungal Biofilm Eradication
Giovanni Balato
- 10.18 – 10.26 What Is the Most Reliable Concordance Rate of Preoperative Synovial Fluid Aspiration and Intraoperative Biopsy to Detect Periprosthetic Joint Infection in Knee, Hip and Shoulder Arthroplasty?
Mustafa Akkaya (New Active Member)
- 10.26 – 10.32 **BEST PAPER NOMMINEE:** Seriate "Ad Interim" Knee Aspiration with the spacer in place. Are We Doing the Right Thing in Managing PJI?
Giovanni Balato
- 10.32 – 10.45 Discussion

<p>10.45 – 11.15 Keynote: The history of EKS Emmanuel Thienpont & Johan Bellemans</p>
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- 11.15 – 11.30 Coffee break**

11.30 – 12.30 Session VI: Alignment and kinematics I <i>Moderators: Michael Hirschmann & Vicente León-Munoz</i>
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- 11.30 – 11.36 Using the osteoarthritis initiative (OAI) dataset to assess the validation and interobserver reliability of the coronal plane alignment of the knee (CPAK) phenotypic classification
Gareth Jones
- 11.36 – 11.42 Windswept deformity of the knee: prevalence and predictive factors in osteoarthritic and healthy populations
William Colyn
- 11.42 – 11.48 CPAK type III valgus knees exhibit lateral pivot motion during squatting
Geert Peersman
- 11.48 – 11.54 Is There Really a Medial Pivot in the Normal Knee? A Robotic Cadaveric Study on 68 Human Specimens
Sebastien Parratte
- 11.54 – 12.00 **BEST PAPER NOMMINEE:** A navigation-based analysis of native knee collateral ligament elongation patterns: CPAK classification subgroups exhibit phenotype-specific ligament behaviour
Geert Peersman
- 12.00 – 12.08 Which Configuration Restores Native Knee Kinematics and Ligament Balance: Bi-Unicompartmental, Bi-Cruciate Retaining, or Posterior-Stabilized Total Knee Prostheses?
Thomas Neri (New Active Member)
- 12.08 – 12.30 Discussion
- 12.30** **END OF SCIENTIFIC PROGRAM DAY 2**
- 20.00** **10TH ANNIVERSARY DINNER AT THE BACKSTAGE HOTEL**

Program - Friday, 17 January 2025

08.00– 09.00 EKS General assembly - Active and International Members ONLY

Agenda:

- President talk – Anders Troelsen (10 minutes)
- Membership affairs – Nick London (10 minutes)
- Report from the treasurer – Sebastien Parratte (5 minutes)
- Report from fellowships – Sebastien Lustig (5 minutes)
- Report from communication – Stefano MP Rossi (5 minutes)
- Report from research + Status on the Delphi Consensus – Thomas Heyse (10 minutes)

09.00 – 09.15	EKS Traveling Fellowship 2024 Report William Colyn, Elliot Sappey-Marinier, Enejd Veizi & Hideki Ueyama
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09.15 – 09.30 Coffee break

09.30 – 10.30	Session VII: Alignment and kinematics II <i>Moderators: Sebastien Parratte & Geert Peersman</i>
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09.30 – 09.36 Development of a Machine Learning Model for Determining Alignment in Knees Following Total Knee Arthroplasty
Martin Faschingbauer

09.36 – 09.42 **BEST PAPER NOMMINEE:** Three-compartment phenotype concept (3D-FKP) of total knee arthroplasty alignment - Mismatch between distal femoral, posterior femoral and tibial joint lines in 83% of non-osteoarthritic and 88.8% of osteoarthritic knees
Michael Hirshmann

09.42 – 09.48 Associations Between REAL Classification, CPAK Phenotypes, Alignment Severity and Surgical Management in Personalized Robotic-Assisted Total Knee Arthroplasty
Eleftherios Tsiridis

- 09.48 – 09.54 The Basics about Functional Alignment in Total Knee Arthroplasty - How Does it Work?
Antonio Klasan
- 09.54 – 10.00 Coronal plane alignment in patients undergoing total knee arthroplasty - a study based on arthroplasty registry data
Michael Liebensteiner
- 10.00 – 10.08 Effect of total knee replacement performed with mechanical alignment versus kinematic alignment on the hip and ankle joint
Joaquin Moya-Angeler (New Active Member)
- 10.08 – 10.30 Discussion

<p>10.30 – 11.25 <i>Session VIII: Alignment and kinematics III</i> <i>Moderators: Fabio Catani & Thomas Luyckx</i></p>

- 10.30 – 10.36 Handheld computer-navigated constrained total knee arthroplasty for complex extra-articular deformities
Martin Pietsch
- 10.36 – 10.42 Validation of Robotic Measurements for Total Knee Arthroplasty Coronal Alignment: A Radiographic Comparison
Martin Faschingbauer
- 10.42 – 10.48 Functional Alignment in Knee Arthroplasty Minimizes Impact on Ankle Alignment: Role of MPTA and LDFA Preservation
Rudy Sangaletti
- 10.48 – 10.54 Excellent Results of Restricted kinematic alignment Total knee Arthroplasty at Minimum Ten-Year Follow-up
Gautier Beckers
- 10.54 – 11.00 Unrestricted Functional knee positioning without soft tissue release: does tibial implant with more than 3° varus result in worse outcomes?
Sebastien Lustig
- 11.00 – 11.06 Patient-reported outcome measures following individualised TKA are not affected by the degree of preoperative coronal varus or valgus laxity
Elliot Sappey-Marinier
- 11.06 – 11.25 Discussion

<p>11.25 – 12.25 <i>Session IX: Alignment and kinematics IV</i> <i>Moderators: Michel Bonnin & Johan Bellemans</i></p>

- 11.25 – 11.31 Is there any relationship between CPAK phenotypes and femoral rotation?
Vicente León-Munoz
- 11.31 – 11.37 The impact of Aligement philosophy in TKA on trochlear Anatomy restoration is strongly linked to the LDFA
Thomas Luyckx
- 11.37 – 11.43 Femoral component rotational alignment is patient-specific in robotic-assisted total knee arthroplasty performed with a tibia-based functional alignment
Fabio Catani
- 11.43 – 11.49 Medial Deviation of a 6° Prosthetic Trochlear Groove After Kinematically Aligned TKA Occurs in Four Types of Coronal Plane Alignment of the Knee (CPAK) and Decreases the Forgotten Joint Score
Elliot Sappey-Marinier
- 11.49 – 11.55 Patello-femoral kinematics in robotic-arm assisted total knee arthroplasty
Fabio Catani
- 11.55 – 12.01 Posterior lateral and distal lateral resections influence post-operative patellar tilt in robotic-assisted total knee arthroplasty
Marco Pungitore
- 12.01 – 12.25 Discussion

12.25 – 12.35	Best Paper voting
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12.35 – 12.40 CLOSING REMARKS OF EKS CLOSED MEETING 2025

SAVE THE DATE
18-19 OF SEPTEMBER 2025

European Knee Society

**EKS OPEN MEETING
COPENHAGEN**
Bella Sky Conference & Event Hotel

www.europeankneesociety.com