



European
Knee
Society

The 2024 Combined Meeting of The Knee Society and the European Knee Society September 5-7, 2024

Rosewood Hotel, London, UK

Meeting Guide:

Sessions in orange combined TKS and EKS programming.

Sessions in blue are EKS.

Sessions in red are TKS.

PRELIMINARY PROGRAM

Thursday | September 5, 2024 – COMBINED PROGRAM



European
Knee
Society

12:30 – 12:35 PM		WELCOME AND OPENING REMARKS COMBINED KNEE SOCIETY & EUROPEAN KNEE SOCIETY
12:35 – 1:15 PM		SESSION I: ROBOTICS Moderators: <i>Robert T. Trousdale, MD and Fabio Catani, MD</i>
12:35 – 12:40 PM	1KS	Robotic-Assisted Primary Total Knee Arthroplasty Requires Fewer Soft Tissue Releases and Leads to Larger Reduction in Early Postoperative Pain Christopher L. Peters, MD
12:40 – 12:45 PM	1EKS	Learning Curve of Robotic Assisted TKA Within a Surgical Team a Prospective Study Of 100 Cases Jean-Noël A. Argenson, MD
12:45 – 12:50 P	2KS	2-year Outcome Results with Robotic Arm-Assisted Total Knee Replacement: Comparison to a Matched Set of Manual Instrument-Assisted Group Kenneth A. Gustke, MD
12:50 – 12:55 PM	2EKS	Image-Based Robotic System Reduces Significantly Revision Rates for UKA But Not for TKA Compared to Manual Technique and Conventional Navigation Respectively in A Specialized Arthroplasty Unit Bernhard Christen, MD, MHA

12:55 – 1:00 PM	3KS	A Comparison Of 90-Day Complication Rates Between Intra-Incisional and Extra-Incisional Tibial Pin Sites in Robotic Total Knee Replacement Steven B. Haas, MD
1:00 – 1:05 PM	3EKS	Robotic-Assisted Versus Conventional Total Knee Arthroplasty: A Systematic Review Of Comparative Level I and II Studies Up To April 2024 Jan M.K. Victor, MD, PhD
1:05 - 1:15 PM		DISCUSSION
1:15 – 2:00 PM		SESSION II: CORONAL PLANE ALIGNMENT IN TKA Moderators: <i>Francesco Benazzo, MD and David C. Backstein, MD, MEd, FRCSC</i>
1:15 – 1:20 PM	4EKS	The Definition of Kinematic Alignment for TKA Is Inconsistent and Ambiguous in Systematic Reviews and Meta-Analyses Mo Saffarini, MEng, MBA, FRSM
1:20 – 1:25 PM	4KS	Does Matching the Native Coronal Plane Alignment of the Knee (CPAK) Improve Outcomes in Modern Primary Total Knee Arthroplasty? R. Michael Meneghini, MD
1:25 – 1:30 PM	5EKS	Better Forgotten Joint Score and Similar Clinical Outcome of Kinematic Alignment Vs Mechanical Alignment. Preliminary Results of a Prospective Case Series Stefano Campi, MD, MSc
1:30 – 1:35 PM	5KS	Soft Tissue Similarities and Differences Across CPAK Phenotypes Need to Be Considered for Optimal TKA Planning Gwo-Chin Lee, MD
1:35 – 1:40 PM	6EKS	The Influence of CPAK Classification Changes on Early Postoperative Outcomes After TKA Paul Monk
1:40 – 1:45 PM	6KS	Clinical Outcome of Functional versus Mechanical Alignment in Robotic-Arm Assisted Total Knee Arthroplasty: A Randomised Controlled Trial Simon W. Young, MD, FRACS
1:45 – 1:50 PM	7EKS	Impact of Total Hip Arthroplasty on Coronal Limb Alignment in Patients Undergoing Total Knee Arthroplasty Vicente J. León-Muñoz, MD, PhD
1:50 – 2:00 PM		DISCUSSION
2:00 – 2:55 PM		SESSION III: UNICOMPARTMENTAL KNEE ARTHROPLASTY Moderators: <i>William A. Jiranek, MD and Justin Peter Cobb, MD, FRCS</i>
2:00 – 2:05 PM	7KS	The influence of Obesity on the Outcome of Unicompartmental Knee Arthroplasty William G. Hamilton, MD
2:05 – 2:10 PM	8EKS	The One-Year Trajectories of Patient Reported Outcomes Are 21 To 27 % Worse For TKA Compared with Medial UKA – A Propensity Score Matched Cohort Study with Implications for Contemporary Healthcare Anders Troelsen, MD, PhD

2:10 – 2:15 PM	8KS	Early Physical Activity Recovery in Unicompartmental Knee Arthroplasty is more comparable to Total Hip Arthroplasty than Total Knee Arthroplasty: A Prospective Longitudinal Study Jeremy M. Gililland, MD
2:15 – 2:20 PM	9EKS	Identifying Patients Suitable for Partial Knee Replacement Using Artificial Intelligence Gareth Jones, PhD, FRCS
2:20 – 2:25 PM	9KS	Comparing Functional Recovery Between Total and Unicompartmental Knee Arthroplasty: A Prospective Apple Health Kit Study Michael P. Bolognesi, MD
2:25 – 2:30 PM	10EKS	Navigated Versus Conventional Medial Unicompartmental Knee Arthroplasty: Minimum 18 Years Clinical Outcomes and Survivorship of The Original Cartier Design Francesco Benazzo, MD
2:30 – 2:35 PM	11EKS	10-Year Survival of Cementless Oxford Medial UKA - A Report Of 4000 Cases Andrew Price, DPhil, FRCS(Orth)
2:35 – 2:40 PM	10KS	Mid-term Outcomes of the Fixed Bearing Lateral Unicompartmental Knee Replacement, with a Spherical Femoral Component Christopher A.F. Dodd, MB, ChB, FRCS
2:40 – 2:45 PM	12EKS	No Clinical Outcome Differences Between Robotic-Assisted Unicompartmental and Total Knee Arthroplasty for The Treatment of Medial Knee Osteoarthritis Fabio Catani, MD
2:45 – 2:55 PM		DISCUSSION
2:55 – 3:10 PM		BREAK
3:10 – 4:00 PM		SESSION IV: THE PATELLOFEMORAL ARTICULATION Moderators: David Barrett, BSc, FRCS and William J. Maloney, MD
3:10 – 3:15 PM	11KS	Femoral Rotation Planning in Robotic-Assisted Total Knee Arthroplasty: A Retrospective Comparison of Automated versus Manual Femoral Rotation Planning Jess H. Lonner, MD
3:15 – 3:20 PM	13EKS	Individualised Total Knee Arthroplasty Results in Lower and Less Variable Patellar Tilt Compared to Off-the-Shelf Total Knee Arthroplasty Michel P. Bonnin, MD, PhD
3:20 – 3:25 PM	12KS	Revisiting The Universal Femoral Component: Midterm Outcomes of a Modern Design Aaron A. Hofmann, MD
3:25 – 3:30 PM	14EKS	Dynamic In Vivo Measurement of Patellofemoral Forces in The Native and Replaced Knee – Reproducible Individual Native Patterns Observed, Significant Overstuffing of TKR Revealed David Barrett, BSc, FRCS

3:30 – 3:35 PM	13KS	Radiographic and Clinical Comparisons of a Modern Symmetrical versus Assymetrical Implant Design in Primary Total Knee Arthroplasty Christopher E. Pelt, MD
3:35 – 3:40 PM	15EKS	Decoupling of the Patello-Femoral Compartment from The Tibio-Femoral Compartment in Patient-Individual TKA Significantly Decreases the Rate of Patellar Releases Carsten O. Tibesku, MD
3:40 – 3:45 PM	14KS	A Femoral Component Designed for Kinematic Alignment Improves the Forgotten Joint Score Keith R. Berend, MD
3:45 – 3:50 PM	16EKS	What Is the Ideal Indication for Primary Combined Medial Plus Patellofemoral (Bi-Com) Knee Arthroplasty? Tilman Calliess, MD, PhD
3:50 – 4:00 PM		DISCUSSION
4:00 – 4:45 PM		SESSION V: PAIN MANAGEMENT AND OUTPATIENT SURGERY Moderators: Richard Iorio, MD and Emmanuel Thienpont, MD, PhD
4:00 – 4:05 PM	15KS	What is the Safest and Most Effective Dose of Intravenous Dexamethasone for Primary Total Knee Arthroplasty? Results of a Multicenter Randomized Controlled Trial Craig J. Della Valle, MD
4:05 – 4:10 PM	17EKS	ATX-101 Provides Sustained Pain Relief for Three Weeks in Patients Undergoing TKA: Results of A Multicentre Double-Blind RCT Hemant G. Pandit, FRCS, DPhil (Oxon)
4:10 – 4:15 PM	16KS	The Significant Financial Burden Associated with Custom Peri-Articular Injection Cocktail Preparations in Total Joint Arthroplasty William J. Long, MD
4:15 – 4:20 PM	18EKS	Revisiting Selection Criteria for Outpatient Joint Arthroplasty Kirill Gromov, MD, PhD
4:20 – 4:25 PM	17KS	Use Caution with Perioperative NSAIDs in Diabetic TKA Patients William Macaulay, MD
4:25 – 4:30 PM	19EKS	Early Advancements in Public Multicenter Implementation of Day-Case Hip and Knee Arthroplasty – Insights from Denmark Martin Lindberg-Larsen, MD, PhD
4:30 – 4:35 PM	20EKS	There Is No Increased Risk Following Total Knee Arthroplasty for Patients with Obstructive Sleep Apnea (OSA) Friedrich Boettner, MD
4:35 – 4:45 PM		DISCUSSION

4:50 – 5:35 PM		SESSION VI: ASEPTIC REVISION TKA Moderators: <i>Andrea Baldini, MD, PhD and Thomas P. Sculco, MD</i>
4:50 – 4:55 PM	18KS	Unexpected Positive Cultures in Aseptic Revision Knee Arthroplasty: Prevalence and Outcomes at Mid-term Follow-up Fares S. Haddad, FRCS
4:55 – 5:00 PM	21EKS	Construct Stability of Revision Total Knee Arthroplasty with Tibial Cones: 2-Years of Radiostereometric Analysis (RSA) Gijs van Hellemond, MD
5:05 – 5:10 PM	19KS	Rotating Hinge Revision Total Knee Arthroplasty with and Without Porous Cone Adjunct Fixation Brett R. Levine, MD, MS
5:10 – 5:15 PM	22EKS	EndoProsthetic Replacement for Non-Oncological (EPRO) Conditions Study: A UK Multicentre Study into Clinical Outcomes of Distal Femoral Replacements Jeya Palan, PhD, FRCS (Tr&Orth)
5:15 – 5:20 PM	20KS	Novel Morphometric Revision Total Knee Arthroplasty System Demonstrates Excellent Results at Early Follow-up David G. Lewallen, MD
5:20 – 5:25 PM	21KS	The Definition and Diagnostic Criteria for Flexion Instability after Total Knee Arthroplasty is Highly Variable in the Published Literature James A. Browne, MD
5:25 – 5:35 PM		DISCUSSION
5:35 PM		CONCLUSION & ANNOUNCEMENTS COMBINED MEETING

Friday | September 6, 2024 – COMBINED PROGRAM



7:30 – 7:35 AM		WELCOME AND OPENING REMARKS COMBINED MEETING KNEE SOCIETY & EUROPEAN KNEE SOCIETY
7:35 – 8:20 AM		SESSION VII: ANATOMY AND SOFT TISSUE BALANCING IN TKA Moderators: Jay R. Lieberman, MD and Jan M.K. Victor, MD, PhD
7:35 – 7:40 AM	22KS	Is Valgus Knee Alignment Associated with Hypoplasia of the Lateral Femoral Condyle? Henry D. Clarke, MD
7:40 – 7:45 AM	23EKS	PCL Retained Is Safe in Medial Pivot TKA—A Prospective Randomized Trial Nicolaas C. Budhiparama, MD, PhD
7:45 – 7:50 AM	23KS	NEW MEMBER PRESENTATION Effect Of Partial and Complete PCL Sectioning in Medial Congruent TKA on Femoral Rollback and Posterior Sag: A Computational Study Peter K. Sculco, MD
7:50 – 7:55 AM	24EKS	Joint Line Obliquity Angle Is Significantly Affected by Hip Abduction and Adduction Federica Rosso, MD
7:55 – 8:00 AM	24KS	Three-dimensional Morphology of the Knee and Its Implication for Modern TKA Thorsten M. Seyler, MD
8:00 – 8:05 AM	25EKS	Coronal Anatomy of The Knee: Correlation of Different Imaging Modalities Emmanuel Thienpont, MD, PhD
8:05 – 8:10 AM	25KS	Total Knee Arthroplasty Femoral Flexion Angle Distribution and Range of Motion James D. Slover, MD
8:10 – 8:20 AM		DISCUSSION
8:20 – 9:10 AM		SESSION VIII: GAIT, ACTIVITY, AND REHAB Moderators: Jean-Noël A. Argenson, MD and Michael A. Mont, MD
8:20 – 8:25 AM	26EKS	Activity After Arthroplasty: Top Walking Speed Reflects Patient Benefit Justin Peter Cobb, MD, FRCS
8:25 – 8:30 AM	26KS	Comparing Gait to PROMs in Total Knee Arthroplasty Jonathan M. Vigdorichik, MD
8:30 – 8:35 AM	27EKS	Does Arthrogenic Muscle Inhibition Exist Before and After Knee Arthroplasty? Sebastien Parratte, MD, PhD
8:35 – 8:40 AM	28EKS	When Is It Safe to Return to Driving After Total Knee Replacement, A Tertiary Centre Experience Benjamin Bloch, BSc, MBBS, FRCS (Tr&Orth)

8:40 – 8:45 AM	28KS	Which Medications Are Effective in Reducing Risk of Arthrofibrosis After Total Knee Arthroplasty? Mark Spangehl, MD
8:45 – 8:50 AM	29EKS	Mobility Characteristics in Individuals with and Without an Indication for Knee Arthroplasty: An Explorative Analysis Koen Defoort
8:50 – 8:55 AM	29KS	A Workflow-Efficient Approach to Pre- and Post-operative Assessment of Weightbearing 3D Knee Kinematics Scott S. Banks, PhD
8:55 – 9:00 AM	30EKS	Standards Of Care in Joint Replacement Surgery: A Stakeholders' Analysis Perspective; Results from an International Multicenter Study Stefano Marco Paolo Rossi, MD
9:00 – 9:10 AM		DISCUSSION
9:10 – 9:25 AM		BREAK
9:25 – 10:05 AM		SESSION IX: TAKE HOME POINTS FROM NATIONAL REGISTRIES Moderators: <i>Scott M. Sporer, MD and Christopher A.F. Dodd, MB, ChB, FRCS</i>
9:25 – 9:30 AM	A	UK NJR: Timothy Wilton – MA FRCS
9:30 – 9:35 AM	B	USA AJRR: James I. Huddleston, III, MD
9:35 – 9:40 AM	C	SCANDINAVIAN REGISTRIES: Anders Troelsen, MD, PhD
9:40 – 9:45 AM	D	NZ REGISTRY: Simon W. Young, MD, FRACS
9:45 – 9:50 AM	E	Dutch LROI: Gijs van Hellemond, MD
9:50 – 9:55 AM	F	ODEP: Andrew Porteous, MBChB, FRCS(Ed), FRCS(Tr&Ortho), MSc(Ortho Engin)
9:55 – 10:05 AM		DISCUSSION
10:05 – 10:50 AM		SESSION X: INFECTION Moderators: <i>Gijs van Hallemond, MD and Charles L. Nelson, MD</i>
10:05 – 10:10 AM	31EKS	Increased Risk of Early Revision for Knee Arthroplasty Performed for Indications Other Than Osteoarthritis Abtin Alvand, PhD, FRCS(Tr&Orth)
10:10 – 10:15 AM	30KS	Long-Term Results of Two-stage Exchange for PJI Following TKA: Low Rates of Failure in 463 Knees at 10 Years Matthew P. Abdel, MD
10:15 – 10:20 AM	32EKS	One And Two-Stage TKA Revisions as Effective Strategies to Treat Periprosthetic Knee Chronic Infection. A Cohort of 218 TKA Revisions with A Minimum Follow Up of 24 Months Sébastien Lustig, MD, PhD

10:20 – 10:25 AM	31KS	Repeat Two-Stage Exchange Arthroplasty for Recurrent Periprosthetic Knee Infection: Results of 87 Cases Daniel J. Berry, MD
10:25 – 10:30 AM	32KS	Treatment Success of Seven-Day Intra-Articular Antibiotic Irrigation for the Treatment of Chronic Periprosthetic Joint Infection: A Prospective Randomized Phase II Comparative Study Bryan D. Springer, MD
10:30 – 10:40 AM		HOT TOPIC: PRIMER ON PHAGE THERAPY Sébastien Lustig, MD, PhD
10:40 – 10:50 AM		DISCUSSION
10:50 – 11:10 AM		PRESIDENTIAL GUEST SPEAKER: PROFESSOR JOHN SKINNER
11:10 – 11:20 AM		DISCUSSION
11:20 AM– 12:25 PM		LUNCH
12:25 – 1:05 PM		SESSION XI: CEMENTLESS ARTHROPLASTY Moderators: Steven J. MacDonald, MD, FRCSC and Friedrich Boettner, MD
12:25 – 12:30 PM	33KS	Survivorship of Modern Cementless Total Knee Arthroplasty: Analysis from the Canadian Joint Replacement Registry Richard W. McCalden, MD
12:30 – 12:35 PM	33EKS	The Effect of Bone Relaxation on The Simulated Pull-Off Force of a Cementless Femoral Knee Implant Nico Verdonschot
12:35 – 12:40 PM	34KS	Migration of Cementless Tibial Baseplates Appears to Be Related to Bone Mineral Density David J. Mayman, MD
12:40 – 12:45 PM	35KS	Adoption Of Uncemented Knees Has Led to A Worse 5-year TKA Survivorship in Michigan David C. Markel, MD
12:45 – 12:50 PM	36KS	Early Subsidence of Cementless Unicompartmental Knee Replacement Tibial Components Does Not Compromise 5-Year Clinical Outcomes David W. Murray, MD, FRCS
12:50 – 12:55 PM	37KS	High Early Failure Rate of a Novel Cementless Unicompartmental Knee Arthroplasty Adolph V. Lombardi, Jr., MD, FACS
12:55 – 1:05 PM		DISCUSSION
1:05 PM – 1:55 PM		SESSION XII: POLYETHYLENE AND NEW TECHNOLOGY Moderators: Michel Bonnin, MD, PhD and Robert L. Barrack, MD
1:05 – 1:10 PM	38KS	Multicenter Randomized Clinical Trial of HXLPE vs. Conventional PE in 500 Primary TKAs at 10 Years Mark W. Pagnano, MD

1:10 – 1:15 PM	39KS	In Vivo Oxidation and β -carotene Absorption of Contemporary Tibial Liners and Implications on Long-Term TKA Failure Joshua J. Jacobs, MD
1:15 – 1:20 PM	34EKS	Advancing Precision in Total Knee Arthroplasty: Introducing a Validated Classification for Evaluating Bone Resection Accuracy in Image-Based Robotic-Assisted Surgery versus Conventional Techniques Cecile Batailler, MD, PhD
1:20 – 1:25 PM	40KS	NEW MEMBER PRESENTATION Identifying Sources of Error in Computer Navigated Total Knee Arthroplasties Using Sensitivity Analyses Brent A. Lanting, MD
1:25 – 1:30 PM	35EKS	A Novel Classification of Knee Function Using the ROSA Robotic Knee System. A Consecutive Case Series of 150 Cases Identifies Nine Categories, Based on The Difference of Medial and Lateral Laxity in 0 And 90 Degrees of Flexion Eleftherios Tsiridis, MD, PhD, FACS, FRCS
1:30 – 1:35 PM	41KS	Full Motion Arc, Laxity-Based Planning for Total Knee Arthroplasty: The Next Milestone for Enabling Technology James I. Huddleston, III, MD
1:35 – 1:40 PM	36EKS	Lower Demand on Staff and Better Operating Room Efficiency When Performing Individualised Versus Off-The-Shelf Total Knee Arthroplasty Tarik Ait Siselmi, MD
1:40 – 1:45 PM	42KS	Augmented Reality Surgical Guidance System Provides Precise Alignment in Total Knee Arthroplasty Michael J. Taunton, MD
1:45 – 1:50 PM	43KS	What Are Patients' Perceptions on the Optimal Age and Experience of their Arthroplasty Surgeon? Robert T. Trousdale, MD
1:50 – 2:00 PM		DISCUSSION
2:00 – 2:05 PM		CLOSING REMARKS / COMBINED MEETING ADJOURNED

Friday | September 6, 2024 – EUROPEAN KNEE SOCIETY ONLY



Members of The Knee Society are welcome to attend

2:05 - 2:15 PM		BREAK
2:15 – 2:45 PM		SESSION I: TKA OUTCOMES Moderators: Nicolaas C. Budhiparama, MD, PhD and Nele Arnout
2:15 – 2:20 PM		No Clinical and Functional Benefit After Medial Congruent Compared to Ultra Congruent Knee Arthroplasty at 1-year Follow-up Andreas Halder, MD
2:20 – 2:25 PM		Trochlear Anatomy Modification After Total Knee Arthroplasty. The Role of Implant Orientation in Robotic-Assisted Inverse Kinematic Alignment Technique Eleftherios Tsiridis, MD
2:25 – 2:30 PM		Accuracy of Handheld Instruments for Kinematic Alignment and Intraoperative Control System Joaquin Moya-Angeler, MD
2:30 – 2:35 PM		What Is the Impact of The EKS Fellowship Program on the Participating Fellows' Practise? Mustafa Akkaya, MD
2:35 - 2:50 PM		DISCUSSION
2:50 – 3:30 PM		SESSION II: COMPLICATIONS Moderators: Ashok Rajgopal, MD and Andrew Porteous, MBChB, FRCS(Ed), FRCS(Tr&Ortho), MSc (Ortho Engin)
2:50 – 2:55 PM		Long-term postoperative opioid use in orthopaedic patients Jose Smolders, MD
2:55 – 3:00 PM		A Novel Technique of Using the Quadriceps Tendon Autograft to Treat Patellar Tendon Disruption Following Total Knee Replacement” Ashok Rajgopal, MD
3:00 – 3:05 PM		Clinical Outcomes Following DAIR Procedures for Knee and Hip Periprosthetic Joint Infection – Does Bactisure Improve Outcome? Benjamin Bloch, MD
3:05 – 3:10 PM		Is There a Relationship Between Soft Tissue Mantle of Lower Extremity and Acute Periprosthetic Joint Infection of the Knee? Mustafa Akkaya, MD
3:10 – 3:15 PM		Define The Incidence of CRPS (Complex Regional Pain Syndrome) According to The Internationally Accepted Budapest Diagnostic Criteria Defined by The IASP For the Study of Pain) In Patients Following Primary TKR (Total Knee Replacement) Jonathan Phillips, MD
3:15 – 3:30 PM		DISCUSSION
3:30 - 3:50 PM		BREAK

3:50 – 4:20 PM	SESSION III: UNI/Bi-COMP Moderators: <i>Martin W. Roche, MD and Gareth Jones</i>
3:50 – 3:55 PM	Robotic-Assisted Unicompartmental Knee Replacement in Octagenarians: A Propensity-Matched Cohort Study Matteo Innocenti, MD
3:55 – 4:00 PM	Lateral Unicompartmental Knee Arthroplasty Achieves Excellent Knee Function and Implant Survival at A Minimum Follow-Up of 2 Years Wenzel Waldstein, MD
4:00 – 4:05 PM	Different Joint Laxity Patterns Do Not Influence the Clinical Outcomes in Robotic-Assisted Medial Unicompartmental Knee Replacement Matteo Innocenti, MD
4:05 – 4:10 PM	Long-term Outcome of Bicompartamental Knee Arthroplasty Emmanuel Thienpont, MD, PhD
4:10 – 4:20 PM	DISCUSSION
4:20 – 5:00 PM	SESSION IV: ALIGNMENT/KINEMATICS Moderators: <i>Paul Monk and William Jackson, FRCS</i>
4:20 – 4:25 PM	Significant Variability in Cartilage Thickness Between Worn and Unworn Side in Total Knee Arthroplasty: Calipered, MRI and Robotic-Assisted Assessment Antonio Klasan, MD
4:25 – 4:30 PM	The Art of Compromise in Total Knee Arthroplasty: An Analytical Model to Reconcile Limb Alignment, Articular Resurfacing and Soft Tissue Balance Philip Winnock de Grave, MD
4:30 – 4:35 PM	The Role of TKA Design on Knee Stability and Kinematics – A Biomechanical Study Angela Brivio, MD
4:35 – 4:40 PM	Anterior Femoral Offset Is a Flawed Measurement of Patellofemoral Overstuffing Antonio Klasan, MD
4:40 – 4:45 PM	Perception of Knee Alignment in TKA For Varus and Valgus Osteoarthritis Friedrich Boettner, MD
4:45 – 5:00 PM	DISCUSSION
5:00 - 5:15 PM	BREAK
5:15 – 6:00 PM	EUROPEAN KNEE SOCIETY – GENERAL ASSEMBLY

Saturday | September 7, 2024 – THE KNEE SOCIETY ONLY

Members of the European Knee Society are welcome to attend the session beginning at 8:00 AM



7:00 – 8:00 AM		THE KNEE SOCIETY'S BREAKFAST AND BUSINESS MEETING
8:00 – 8:05 AM		Welcome Back
8:05 – 8:50 AM		SESSION XIII: OBESITY AND OTHER COMORBIDITIES Moderators: <i>Keith R. Berend, MD and Gwo-Chin Lee, MD</i>
8:05 – 8:10 AM	44KS	NEW MEMBER PRESENTATION Trends, Demographics, and Outcomes for Glucagon-Like Peptide -1 Agonist Use in Total Knee Arthroplasty: an 11-year perspective. Claudette M. Lajam, MD
8:10 – 8:15 AM	45KS	Preoperative Glucagon-Like Peptide-1 (GLP-1) Agonist Medication In Total Knee Arthroplasty Increases Aspiration and Periprosthetic Joint Infection Risk: A Propensity Score-Matched Cohort Study Antonia F. Chen, MD
8:15 – 8:20 AM	46KS	Increased Waist Circumference is Associated with Severe Postoperative Complications Following Total Knee Arthroplasty Michael A. Mont, MD
8:20 – 8:25 AM	47KS	The Influence of Bariatric Surgery on Early Complications of Obese Patients Undergoing Elective Total Joint Replacement Alejandro Gonzalez Della Valle, MD
8:25 – 8:30 AM	48KS	Morbid Obesity is Associated with Increased rates of DVT but Not PE in Patients Receiving Aspirin Monotherapy After Total Joint Arthroplasty Charles L. Nelson, MD
8:30 – 8:35 AM	49KS	Preoperative Anemia as a Predictor of Periprosthetic Joint Infection following Total Knee Arthroplasty: A Continuous Variable Analysis Jay R. Lieberman, MD
8:35 – 8:40 AM	50KS	Preoperative Colonoscopy results in an Increased Risk of Revision Total Knee Arthroplasty (TKA) following TKA for Osteoarthritis Emil H. Schemitsch, MD, FRCSC
8:40 – 8:50 AM		DISCUSSION
8:50 – 9:45 AM		SESSION XIV: INFECTION AND REVISION SURGERY Moderators: <i>Matthew P. Abdel, MD and Craig J. Della Valle, MD</i>
8:50 – 8:55 AM	51KS	Determining the Diagnostic Thresholds of Synovial Markers in Acute Periprosthetic Joint Infection: A Multicenter Retrospective Study Jason M. Jennings, MD

8:55 – 9:00 AM	52KS	NEW MEMBER PRESENTATION Mononuclear Phagocyte Gene Expression Suppresses the Neutrophil Response and May Obscure the Accurate Diagnosis of Infection Derek F. Amanatullah, MD, PhD
9:00 – 9:05 AM	53KS	Intraosseous Vancomycin Reduces the Rate of Periprosthetic Joint Infection Following Aseptic Revision Total Knee Arthroplasty Stephen Incavo, MD
9:05 – 9:10 AM	54KS	NEW MEMBER PRESENTATION PLG0206, an Antimicrobial Peptide, May be Promising in Treatment of Acute Periprosthetic Joint Infection. Kenneth L. Urish, MD, PhD
9:10 – 9:15 AM	55KS	Management of Total Knee Arthroplasty Periprosthetic Joint Infection with Concomitant Extensor Mechanism Disruption and Soft Tissue Defect – The Knee Arthroplasty Terrible Triad David C. Backstein, MD, MEd, FRCSC
9:15 – 9:20 AM	56KS	Revision Total Knee Arthroplasty for Juvenile Idiopathic Arthritis: Implant Survivorship and Clinical Outcomes the Second Time Around Mark P. Figgie, MD
9:20 – 9:25 AM	57KS	Novel Patellar Reconstruction with a Trabecular Metal-Backed Component and Screw Fixation: A Case Series Carlos Higuera-Rueda, MD
9:25 – 9:30 AM	58KS	Closed-Incision Negative-Pressure Therapy versus Standard Dressing after Revision Arthroplasty: A Comparative Study Thomas P. Sculco, MD
9:30 – 9:35 AM	59KS	Short-Term Follow-Up of Anatomical Metaphyseal Cone in Revision Total Knee Arthroplasty Roberto Rossi, MD
9:35 – 9:45 AM		DISCUSSION
9:45 – 10:30 AM		SESSION XV: PROMS AND PATIENT OUTCOMES Moderators: Michael P. Bolognesi, MD and Daniel J. Berry, MD
9:45 – 9:50 AM	60KS	Patient-Reported Outcomes Collection and Mandatory CMS Inpatient TKA PRO-Performance Measures: How to Optimize the Process Richard Iorio, MD
9:50 – 9:55 AM	61KS	Collection of Knee Patient-Reported Outcome Measures, Will Patients Respond to Another Email? C. Anderson Engh, Jr., MD
9:55 – 10:00 AM	62KS	Large Language Model Utility for Inferring Patient Outcomes Nicholas J. Giori, MD
10:00 – 10:05 AM	63KS	Optimizing The Value of Patient Reported Outcomes in Total Knee Surgery S. David Stulberg, MD

10:05 – 10:10 AM	64KS	Comparing Generic Patient Reported Outcome Measures After Total Knee and Total Ankle Arthroplasty: A Propensity Score Matched Study William A Jiranek, MD
10:10 – 10:15 AM	65KS	NEW MEMBER PRESENTATION Data Banking: Approach to Linking Clinical Pain and Function and Anatomy in the Knee Simon C. Mears, MD, PhD
10:15 – 10:20 AM	66KS	Factors That Predict Patient Outcomes 5-Years Following TKA David C. Ayers, MD
10:20 – 10:30 AM		DISCUSSION

10:30 – 11:20 AM	SESSION XVI: TECHNOLOGY, IMPLANTS, AND SURGICAL TECHNIQUE Moderators: <i>Christopher L. Peters, MD and Mark W. Pagnano, MD</i>	
10:30 – 10:35 AM	67KS	Does Computer Navigation or Robotics Improve the Mid-Term outcomes following Primary Total Knee Arthroplasty? An Analysis from the American Joint Replacement Registry Scott M. Sporer, MD, MS
10:35 – 10:40 AM	68KS	Robot Assisted Total Knee Arthroplasty in Severe Varus Deformity: A Prospective Comparative Study with Navigation Assisted Total Knee Arthroplasty Rajesh N. Maniar, MD
10:40 – 10:45 AM	69KS	Patient Satisfaction and Functional Outcomes Following Customized Total Knee Arthroplasty in Patients Aged 55 Years and Younger Tom Minas, MD, MS
10:45 – 10:50 AM	70KS	Robotic TKA More Reliably Achieves Sagittal Alignment Targets Compared to Manual Instrumentation Robert L. Barrack, MD
10:50 – 10:55 AM	71KS	NEW MEMBER PRESENTATION Functional Outcomes and Survivorship of Condylar Stabilized Total Knee Arthroplasty Designs: An Analysis of the American Joint Replacement Registry (AJRR) Harpal S. Khanuja, MD
10:55 – 11:00 AM	72KS	Effect Of Simulated PCL Fiber Release on Compartmental Contact Forces in Cruciate Retaining Total Knee Arthroplasty: A Computational Study Geoffrey H. Westrich, MD
11:00 – 11:05 AM	73KS	Wear, Titanium Material Transfer, and Electrocautery Damage are Common Damage Modes in Retrieved Cobalt Chrome Molybdenum Femoral Knee Components Steven M. Kurtz, PhD
11:05 – 11:10 AM	74KS	Staged Bilateral Total Knee Arthroplasty- Postoperative Ramifications Once Second Side Is Performed Fred D. Cushner, MD

11:10 – 11:20 AM		DISCUSSION
SESSION XVII: CEMENTLESS TKA AND BONE HEALTH		
Moderators: <i>Steven B. Haas, MD and David G. Lewallen, MD</i>		
11:20 – 11:25 AM	75KS	Cementless TKA Using an Ultra-Conforming Tibial Bearing: Outcomes at Minimum 5-year Follow-up John B. Meding, MD
11:25 – 11:30 AM	76KS	Postoperative Recovery Time Affects Joint Mechanics and Implant Fixation Timothy M. Wright, PhD
11:30 – 11:35 AM	77KS	Multi-Center RSA Study of a Novel Cementless Total Knee Replacement Douglas D.R. Naudie, MD, FRCSC
11:35 – 11:40 AM	78KS	Bone Quality, Surgical Preparation and the Stability of Cementless Tibial Trays During Functional Activities Philip C. Noble, PhD
11:40 -11:45 AM	79KS	Chronic Ethanol Consumption Impairs Osseointegration in a Murine Tibial Implant Model Mathias P.G. Bostrom, MD
11:45 – 11:50 AM	80KS	Early Results of Cementless Total Knee Arthroplasty following High Tibial Osteotomy James Howard, MD
11:50 – 11:55 AM	81KS	10-Year Follow Up for a New 3D Printed Cementless Total Knee Arthroplasty William J. Hozack, MD
11:55 AM – 12:00 PM	82KS	Correlations of Trabecular Bone Image Texture Features Between MRI and CT Hollis G. Potter, MD
DISCUSSION		
BREAK AND BOXED LUNCH		
SESSION XIX: THE CLINICAL PRACTICE OF ORTHOPAEDICS		
Moderators: <i>Bryan D. Springer, MD and William G. Hamilton, MD</i>		
12:30 – 12:35 PM	83KS	Primary Total Knee Arthroplasty Performed in 2022-23 by Candidates for ABOS Board Certification and Recertification: Prosthesis Type, Fixation, and Technique Kevin L. Garvin, MD
12:35 – 12:40 PM	84KS	Delaying the Inevitable? An Analysis of Utilization and Costs in the Year Prior to and Following Total Knee Arthroplasty P. Maxwell Courtney, MD
12:40 – 12:45 PM	85KS	NEW MEMBER PRESENTATION The Impact of Out-of-Pocket Spending on Postoperative Service Utilization after Total Knee Arthroplasty Chad A. Krueger, MD

12:45 – 12:50 PM	86KS	Comparison of Platelet-Rich plasma to Corticosteroid Injections in Patients who have Mild to Moderate Knee Osteoarthritis: A Double-Blinded, Randomized, Control Trial Ronald E. Delanois, MD
12:50 -12:55 PM	87KS	The Safety and Efficacy of Orally Administered Aspirin and Ketamine for Acute Pain Management After Total Knee Arthroplasty: A Pilot Study Amar S. Ranawat, MD
12:55 – 1:00 PM	88KS	Does The Use of a Tourniquet Influence Five-Year Outcomes Following Total Knee Arthroplasty? Results of a Randomized Controlled Trial Ran Schwarzkopf, MD, MSc
1:00 – 1:10 PM		DISCUSSION
1:10 – 2:10 PM		SESSION XX: ALIGNMENT AND SOFT TISSUE Moderators: Antonia F. Chen, MD and Adolph V. Lombardi, Jr., MD, FACS
1:10 – 1:15 PM	89KS	The Effects of Releasing the Arcuate Complex on Intracompartmental Pressures and Alignment in Robotic Valgus TKR's Martin W. Roche, MD
1:15 – 1:20 PM	90KS	Knee Adductor Moment during Stair Descent Relies more on Surgical Alignment than Implant Design William M. Mihalko, MD, PhD
1:20 – 1:25 PM	91KS	Outcomes of Medial Pivot Total Knee Arthroplasty (MP-TKA) Based on Preoperative Coronal Deformity C. Lowry Barnes, MD
1:25 – 1:30 PM	92KS	Greater Medial Laxity Leads to Inferior Postoperative Clinical Symptoms and Function after Total Knee Arthroplasty: A Multi-center Study Shuichi Matsuda, MD, PhD
1:30 – 1:35 PM	93KS	Tibial Components Placed in Constitutional Varus Following TKA: A Minimum 5-year Survivorship Analysis Arthur L. Malkani, MD
1:35 – 1:40 PM	94KS	Articulation and Axial Rotations of Normal and CR TKA Knees During Flexion Guoan Li, PhD
1:40 – 1:45 PM	95KS	A Total Knee Arthroplasty Design to achieve Anatomic Femoral-Tibial Kinematics Peter S. Walker, PhD
1:45 – 1:50 PM	96KS	PSL (Patient Specific Lateral Laxity) Gap Balancing Technique James V. Bono, MD
1:50 – 1:55 PM	97KS	The Quadriceps Vector Has the Same Direction in Knees of People from India as in Caucasian and Japanese People Despite Different Bone Morphology J. David Blaha, MD
1:55 – 2:00 PM	98KS	Examining the Associations Between Morphologic Knee Features with Demographics and Walking Gait Kinematics in Patients Awaiting Robotic-Assisted Knee Arthroplasty Michael J. Dunbar, MD, PhD, FRCSC

2:00 – 2:10 PM		DISCUSSION
2:10 PM		CLOSING REMARKS AND ADJOURN