



SCIENTIFIC PAPER ONLINE MEETING

2ND INTERNATIONAL **KNEE DAY**

LECTURES, FREE PAPERS,
LIVE-OP AND WORKSHOPS

24 HOURS AROUND THE WORLD

**MARCH 18TH TO
MARCH 19TH 2021**

4PM TO 4PM UTC+1

supported by the
German Knee Society



OUR PAST COURSE 2020



60k
viewers in a
public viewing
event in **china**



2,317 views
from **60** countries

410 of intensive
LIVE LIVE LIVE scientific
minutes exchanges



56 scientific
experts
15 highlight
speakers

MAIN TOPICS 2021

Sportstrauma

Trauma

Arthroplasty

Osteotomy

Prevention

2ND INTERNATIONAL
KNEE DAY

Dear Ladies and Gentlemen

We invite you to join the international knee day part II. What a great opportunity to present your scientific work embedded in the surrounding of highlight speakers from all over the world. The concept of the first international knee day providing a mix of highlight lectures and free papers is supported this year by two new details: 14 live and re-live surgeries and a concept with 24 hours of presentations from all over the world.

This is a huge possibility for you to present your scientific work, prove your methods and strategies during the discussion and doublecheck the strengths and flaws of your paper before sending it for publication. Therefore, we are calling for abstracts for the

2ND INTERNATIONAL KNEE DAY – scientific paper online meeting!

After thorough review of your submitted paper, the accepted papers will be presented live online. All international highlight speakers that surround your presentation will be asked to serve as online faculty to comment on your paper. Be sure that this will be in a constructive and supportive way to hopefully improve your studies and work done! Lectures of world-known researchers as well as the live surgical demonstrations from all continents will additionally increase the audience from all over the world.

We would be more than happy if you will submit your scientific abstracts to be presented at the 2nd international knee day.

Best regards,

Wolf Petersen, Sven Scheffler, Thomas Stoffels, Thore Zantop

2ND INTERNATIONAL
KNEE DAY

PRE-SESSION | MARCH, 18TH 2021

Time is European standard time (UTC+1)

01:30 PM

Pre-Session

Moderation: Petersen, Wolf 

- 6' Introduction and welcome
Petersen, Wolf 
- 3'+3' Continuous meniscal suture technique of the knee
Rocha de Faria, José Leonardo 
- 3'+3' Comparative study of hamstring graft ACL reconstruction with the Tight-rope or interference screw by the anteromedial portal technique
Wei, Liwei 
- 3'+3' Treatment of Schatzker III tibial plateau fractures with arthroscopy
Wang, Yixuan 
- 3'+3' Clinical study on limited fixation of PRP on cartilage degenerated defect after microfracture for knee osteoarthritis with arthroscope
Gao, Wenxiang 
- 3'+3' Clinical efficacy of PRP in the treatment of patellofemoral arthritis in young adults
Yang, Yiwei 
- 3'+3' ApoB/ApoA1 ratio associated to the risk of knee osteoarthritis and related pain
Shi, Mingmin 
- 3'+3' Clinical outcome of arthroscopic combined with tibial osteotomy in the treatment of anterior cruciate ligament injury
Xingsheng, Du 

PRE-SESSION | MARCH, 18TH 2021

- 3'+3' All-inside reconstruction of anterior cruciate ligament with single-bundle autogenous peroneal longus tendon
Yang, Lanbo 
- 3'+3' Not all questions are created equal – weight of the Oxford Knee Score Questions
Klasan, Antonio 
- 3'+3' Treatment of medial collateral ligament injury in total knee arthroplasty
Kewei, Li 
- 3'+3' Accuracy of joint line reconstruction in TKA using different techniques of kinematic alignment
Tuecking, Lars-René 
- 3'+3' Management of patellar tendon disruption during TKA
Abcha, Oussama 
- 3'+3' Factors analysis affecting lower limb alignment after UKA
Sha, Yu 
- 3'+3' Digital photography used as educational tool for patients undergoing MUA for a stiff knee
Setia, Piyush 
- 3'+3' Evaluation of the effect of UKA in the elderly patients with medial knee osteoarthritis
Yan, Jingde 
- 3'+3' Patient-specific instrumentation assisted primary knee replacement for the treatment of knee osteoarthritis with extra-articular deformity
Luo, Xiaofei 

PROGRAM | MARCH, 18TH 2021

Time is European standard time (UTC+1)

04:00 PM

Opening

Moderation: Petersen, Wolf  | Scheffler, Sven  | Stoffels, Thomas  | Zantop, Thore 

Opening Ceremony

04:15 PM

Session 1 – Total Knee Arthroplasty

Moderation: Petersen, Wolf  | Stoffels, Thomas 

Online chair: Hirschmann, Michael T.  | Rossi, Roberto 



TKA – alignment in TKA

Hirschmann, Michael T. 

Does measuring the medial gap before bone resection in TKA provide optimum gap adjustment and prevent bone recutting?

Serbest, Sancar 

TKA – tips & tricks for TKA in valgus knee

Rossi, Roberto 

3D-surface scan based validated new measurement technique of femoral joint line reconstruction in TKA

Savov, Peter 

PROGRAM | MARCH, 18TH 2021

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Femoro-patellar overstuffing after TKA – evaluation of the functional outcome

Abcha, Oussama 

Robotic-assisted UKA – a review

Liu, Guojie 

05:30 PM

Live Surgical Demonstration

Moderation: Diermeier, Theresa 

Online chair: Ettinger, Max 



Smith+Nephew



Innovation in knee surgery – robotic assisted unicondylar knee

Ettinger, Max 

Interactive Q&A with surgeon

06:20 PM

Anterolateral

Moderation: Petersen, Wolf  | Scheffler, Sven 

Online chair: Sonnery-Cottet, Bertrand 



Combined Samba ACL and ALL reconstruction*

Sonnery-Cottet, Bertrand 

Interactive Q&A with surgeon

PROGRAM | MARCH, 18TH 2021

Time is European standard time (UTC+1)

07:05 PM

Session 2 – Sports Traumatology

Moderation: Scheffler, Sven  | Zantop, Thore 

Online chairs: Lind, Martin  | Seil, Romain 



Meniscus ramp lesion – what's new?

Seil, Romain 

Postoperative septic knee arthritis following ACL reconstruction leads to increased knee instability and osteoarthritis compared to a matched control group

Pfeiffer, Thomas 

MCL: reconstruction vs. repair – ligament bracing

Lind, Martin 

Incidence of apple bite fractures in 116 MRI scans with ACL injuries and their concomitant injuries

Kolb, Jan Philipp 



One Step scaffold based cartilage regeneration with Hyalofast

Petersen, Wolf 



Kaplan fibers injuries in ACL deficient and ACL reconstructed knees – redefining the structure on MRI and risk assessment using injury patterns

Iordache, Edna 

PROGRAM | MARCH, 18TH 2021

Time is European standard time (UTC+1)

08:20 PM

Live Surgical Demonstration

Moderation: Diermeier, Theresa 

Online chair: Höher, Jürgen 



SmithNephew



All around meniscal repair – latest innovations to reconstruct complex meniscal tears

Höher, Jürgen 

Interactive Q&A with surgeon

09:10 PM

Minced Cartilage

Moderation: Scheffler, Sven  | Zantop, Thore 

Online chair: Salzmänn, Gian 



Autologous minced cartilage implantation for treatment of chondral and osteochondral lesions in knee joint*

Salzmänn, Gian 

Interactive Q&A with surgeon

PROGRAM | MARCH, 18TH 2021

Time is European standard time (UTC+1)

09:45 PM

Meniscal Repair

Moderation: Scheffler, Sven  | Zantop, Thore 

Online chair: van Dijck, Robbert 



Meniscal repair options using the NanoScope™ System*
van Dijck, Robbert 

Interactive Q&A with surgeon



10:30 PM

Session 3 – ACL Prevention

Moderation: Petersen, Wolf  | Stoffels, Thomas 

Online chairs: Bode, Gerrit  | Hewett, Timothy E.  | Webster, Kate 

ACL prevention – new aspects in 2021

Hewett, Timothy E. 

Persistent quadriceps activation failure reduces in ACL reconstructed patients submitted to strength training based on force steadiness and visual feedback

Velasques Stoelben, Karine 

ACL re-injury – what should patients know about ACL re-injury risk prior to return to sport

Webster, Kate 



PROGRAM | MARCH, 18TH 2021

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IFP delays functional recovery and is associated with elevation of inflammatory cytokines level in the synovial fluid in ACLR patients

Nakagawa, Yusuke 

Injury prevention – strategy in german elite soccer

Bode, Gerrit 

Functional and isokinetics analysis of patients submitted to the reconstruction of the quadricipital tendon with modified pulvertaft weave technique

Rocha de Faria, José Leonardo 



ACL rehabilitation – data assessment with wearable sensors

Höher, Jürgen 

Interactive Q&A

Petersen, Wolf 



PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

12:10 AM

Session 4 – Osteotomy

Moderation: Musahl, Volker  | Previgliano, Juan Pablo 

Online chairs: Clatworthy, Mark  | Getgood, Alan  | Petersen, Wolf 



High tibia osteotomy – return to sports after osteotomy

Musahl, Volker 

Effect of bone marrow aspirate concentration clinical results used with open wedge high tibial osteotomy

Kaya, Özgür 

Unstable knee – tips for realignment osteotomy

Getgood, Alan 



Interactive Re-Live Surgical Demonstration – anterior closed wedge osteotomy for slope reduction

Petersen, Wolf 



Functional outcome of high tibial osteotomy in patients with medial compartment osteoarthritis using dynamic axial fixator

Yadav, Amit Kumar 

TKA – strategy after osteotomy

Clatworthy, Mark 

Simultaneous arthroscopic and partial fibullectomy in patients with knee osteoarthritis and varus knee

Álvarez López, Alejandro 

PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

01:35 AM

Session 5 – Quadriceps ACL Reconstruction

Moderation: Musahl, Volker  | Previgliano, Juan Pablo 

Online chair: Xerogeanes, John 



Quadriceps tendon – why I like it so much?

Musahl, Volker 

Quadriceps tendon autograft and lateral extra-articular tenodesis are becoming increasingly popular in revision ACL reconstruction

Winkler, Philipp 

Anterior oblique ligament description in the knee anteromedial compartment

Horita, Melanie Mayumi 



Re-Live Surgical Demonstration – Quadriceps ACL reconstruction – european approach

Petersen, Wolf 



Re-Live Surgical Demonstration – Quadriceps ACL reconstruction – improving harvest, preparation and fixation*

Xerogeanes, John 

Interactive Q&A with surgeon

Biomechanical comparison of the fixation configurations of soft tissue quadriceps tendon graft using a suspensory button

Kamada, Kohei 

PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

03:05 AM

Session 6 – JOSSM



Moderation: Kuroda, Ryosuke 🇯🇵 | Scheffler, Sven 🇩🇪

Online chairs: Ikeuchi, Masahiko 🇯🇵 | Koga, Hideyuki 🇯🇵 | Kuroda, Ryosuke 🇯🇵 | Nakase, Junsuke 🇯🇵 | Saito, Hidetomo 🇯🇵

Diagnostics – ultrasonic imaging of the knee

Nakase, Junsuke 🇯🇵

Tibial tunnel coalition is not rare but can be avoided in the anatomic double-bundle ACL reconstruction

Hoshino, Yuichi 🇯🇵

Knee pain – how to control?

Ikeuchi, Masahiko 🇯🇵

CT scan assessment of femoral tunnel location in ACL reconstruction performed during the initial phase of the learning curve

K.S Kandari, Anirudh 🇮🇳

Meniscus – how to preserve?

Koga, Hideyuki 🇯🇵

One stage arthroscopic treatment for 35 cases of multiple ligament injuries of the knee joint

Cao, Guorui 🇨🇳

All around osteotomy

Saito, Hidetomo 🇯🇵

PROGRAM | MARCH, 19TH 2021

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MRI one year after hamstring autograft ACL reconstruction can identify those at higher risk of graft failure

Klasan, Antonio 🇪🇸

ACL augmentation – tips & tricks for single bundle using semi-t graft

Zantop, Thore 🇩🇪

Arthroscopic surgery for recurrent dislocation of patella in the skeletally immature adolescents

Tan, Honglue 🇨🇳

Anatomic individualized double-bundle ACL reconstruction

Kuroda, Ryosuke 🇯🇵

Analysis of failure of implant fixation after open reduction internal fixation of proximal tibial fractures

Madi, Saad 🇩🇪

PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

05:35 AM

Session 7 – Indian Arthroscopy Society

Moderation: Oberoi, Ips  | Zantop, Thore 

Online chairs: Sundarrajan, SR  | Thonse, Chirag 

Ramp lesion – techniques to treat

Oberoi, Ips 

Isolated deep MCL tear – an easily missed injury and cause of persistent medial side knee pain

Gahlot, Nitesh 

MCL – repair and reconstruction techniques

Sundarrajan, SR 

Arthroscopic pie-crusting release of the posteromedial complex of the knee for surgical treatment of medial meniscus injury

Tan, Honglue 

Lateral extra-articular tenodesis – indications and techniques

Thonse, Chirag 

Effect of the location of acute anterior cruciate ligament rupture on bone bruises

Li, Ming 



PROGRAM | MARCH, 19TH 2021

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06:45 AM

Session 8 – Chinese Orthopaedics and Trauma by Gloryren

Moderation: Petersen, Wolf  | Zantop, Thore 

Online chairs: Chen, Shiyi  | Wu, Xinbao 

Meniscus injury repair

Yin, Zhanhai 

Comparative study on the effect of patellar denervation in UKA

Zhang, Zhanfeng 

Role of limb alignment in the treatment of knee ligament injury

Wu, Weigang 

Arthroscopic meniscopectomy combined with distal femoral osteotomy for lateral meniscus injury with genu valgus deformity

Yan, Lei 

Constraint level in total knee – how to select?

Wang, Jinliang 

Arthroscopic reconstruction of MPFL combined with medial displacement of lateral hemitibial tuberosity for treatment of recurrent dislocation of patella

Wang, Xiao 

High-grade pivot-shift phenomenon and anterior cruciate ligament reconstruction

Quan, Songtao 

A comparative study on all inside technique with traditional technique in anterior cruciate ligament reconstruction

Zhen, Dong 

Re-Live Surgical Demonstration – medial open wedge osteotomy

Petersen, Wolf 



PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

08:15 AM

Session 9 – Singapore Orthopaedics Association



Moderation: Petersen, Wolf | Scheffler, Sven

Online chairs: Hui, James | Lee, Dave | Lie, Denny

New frontiers in meniscus and cartilage repair

Lee, Dave

Anterior cruciate ligament reconstruction with ribbon graft under arthroscopy by three portals

Li, Ming

Trochleoplasty – technique and outcome

Hui, James

Arthroscopic tuck-net suture fixation of anterior cruciate ligament tibial avulsion fractures

Guo, Qi

Subchondroplasty – treatment for bone marrow lesions in the arthritic knee

Lie, Denny



Re-Live Surgical Demonstration – value of the Subchondroplasty® procedure in your knee practice

Scheffler, Sven



PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

09:50 AM

Session 10 – Meniscus and Meniscal



Moderation: Scheffler, Sven | Zantop, Thore

Online chairs: Bozkurt, Murat | Imhoff, Andreas B. | Margheritini, Fabrizio

Varus cartilage and anterior instability - italian approach

Margheritini, Fabrizio

Failures and complications with MPFL reconstruction – an experience with 215 patients

Setia, Piyush

Patella resurfacing – indication and strategy

Imhoff, Andreas B.

Ramp lesions in anterior cruciate ligament deficient knees

Ozeki, Nobutake

Instability of the posterior horn of the lateral meniscus – a comparison between two arthroscopic diagnostic tests

Jacquet, Christophe

Meniscus – save or replace?

Bozkurt, Murat

PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

11:05 AM

Meniscus Transplantation

Moderation: Scheffler, Sven  | Stoffels, Thomas 

Online chair: Kong Hwee, Lee 



Medial meniscus transplant using bone plugs*

Kong Hwee, Lee 

Interactive Q&A with surgeon

11:40 AM

Meniscus Centralization

Moderation: Scheffler, Sven  | Stoffels, Thomas 

Online chair: Koga, Hideyuki 



Meniscus centralization*

Koga, Hideyuki 

Interactive Q&A with surgeon

PROGRAM | MARCH, 19TH 2021

Time is European standard time (UTC+1)

12:20 PM

Session 11 – Cartilage/PCL

Moderation: Petersen, Wolf  | Zantop, Thore 

Online chair: Lattermann, Christian  | Alentorn-Geli, Eduard 



Cartilage – consensus statement on scaffolds

Lattermann, Christian 

Clinical outcomes of single-stage microfracture with hyaluronic acid scaffold for knee chondral defects remain good at 48 months

Tay, Adriel 



Re-Live Surgical Demonstration – Minced cartilage with Chondro-Gide – the way forward in one-step cartilage repair?

Petersen, Wolf 

Geistlich
Surgery

Arthroscopic outside-in technique vs. inside-out technique at 120° of knee flexion for the rupture of posterior cruciate ligament

Gao, Shiji 

PCL update 2021

Alentorn-Geli, Eduard 



Re-Live Surgical Demonstration – PCL reconstruction using hamstring grafts – surgical approach using posteromedial portal technique

Zantop, Thore 

STORZ
KARL STORZ – ENDOSKOPE

Interactive Q&A with surgeon

Typical MRI-pattern suggests peak maturation of the ACI graft 2 years after third-generation ACI – a systematic review

Iordache, Edna 

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02:25 PM

Session 12 – Total Knee Arthroplasty



Moderation: Petersen, Wolf  | Zantop, Thore 

Online chairs: Hube, Robert  | Nehrer, Stefan  | von Roth, Philipp 

TKA – bone defect reconstruction

Hube, Robert 

Does patient-specific factors or alignment influence TKA clinical and functional outcomes?

Leite, Maria 

Artificial Intelligence in knee osteoarthritis diagnostic

Nehrer, Stefan 

Measuring appropriate need for UKA – results of the MANUKA study

Klasan, Antonio 

TKA revision – step-by-step surgical technique

von Roth, Philipp 

Patient satisfaction after TKA – experience of Tashkent Medical Academy

Madrakhimov, Sarvar 

03:35 PM

Best Paper Award

Moderation: Petersen, Wolf  | Scheffler, Sven  | Stoffels, Thomas  | Zantop, Thore 

Best Paper Award

03:45 PM

Farewell

Moderation: Petersen, Wolf  | Scheffler, Sven  | Stoffels, Thomas  | Zantop, Thore 

Farewell and future announcements

HIGHLIGHT SPEAKER

 Eduard Alentorn-Geli	 Hideyuki Koga	 Gian Salzmann
 Gerrit Bode	 Lee Kong Hwee	 Sven Scheffler
 Murat Bozkurt	 Ryosuke Kuroda	 Romain Seil
 Mark Clatworthy	 Christian Lattermann	 Shiyi Chen
 Theresa Diermeier	 Dave Lee	 Bertrand Sonnery-Cottet
 Max Ettinger	 Denny Lie	 Thomas Stoffels
 Alan Getgood	 Martin Lind	 SR Sundarrajan
 Timothy E. Hewett	 Fabrizio Margheritini	 Chirag Thonse
 Michael Hirschmann	 Volker Musahl	 Robbert van Dijck
 Jürgen Höher	 Junsuke Nakase	 Philipp von Roth
 Robert Hube	 Stefan Nehrer	 Kate Webster
 James Hui	 Ips Oberoi	 Weigang Wu
 Masahiko Ikeuchi	 Wolf Petersen	 Xinbao Wu
 Andreas B. Imhoff	 Juan Pablo Previgliano	 John Xerogeanes
 Jinliang Wang	 Roberto Rossi	 Thore Zantop
	 Hidetomo Saito	 Zhanhai Yin
	 Songtao Quan	

INFORMATION

Chairmen

Wolf Petersen, Sven Scheffler, Thore Zantop

Technical and organizational chair

Thomas Stoffels

Dates

24 hours around the world

March 18TH 4pm to March 19TH 2021 4pm UTC+1

Participation fee

Unlimited Ticket: 149.00 €

Unlimited Ticket (discount for members of partner societies): 99.00€

All prices incl. VAT

Registration

Please use the online registration under www.knee-day.com

Organization

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