MENSCHLICH
IN DER MEDIZIN.
IN DER BEGEGNUNG.

TIRM 2018
Anterior Cruciate Ligament: Regenerative potential and novel clinical proposals
Continental Arena Regensburg
November 30th - December 1st 2018
Dear colleagues,

The successful creation and implementation of regenerative medicine necessitates the constant exchange of information between basic scientists, clinicians (doctors, surgeons, sports therapists) and the medical industry to bring innovations to the clinic. The aim of the symposium is to provide a platform for this cross-talk and interdisciplinary discussion for those interested persons to develop and refine existing therapies.

Prof. Dr. med. P. Angele  
Prof. Dr. rer. nat. D. Docheva

Friday, November 30th 2018

09:00 Opening  
Docheva, Angele, Regensburg

Anatomy and physiology/pathophysiology of the ACL
Chair: Zantop T, Smigielski
09:15 Keynote: Ultrastructure and macroscopic morphology of ACL  
Smigielski, Warsaw
09:35 Normal and pathophysiologic ACL biomechanics and Gait  
Sigurdsson, Reykjavik
09:50 ACL biomechanics under physiological and pathological condition  
Stein, Frankfurt
10:05 MRI analysis of ACL under physiological and pathological condition  
Welsch, Hamburg
10:20 ACL insertion point configurations and their implications on treatment strategies  
Scheidt, Heidelberg
10:35 Coffee-Break

Cellular and molecular mechanisms of the ACL
Chair: Murray, Eischorr
11:00 Keynote: Biological aspects in ACL healing – is ligamentous remodeling possible?  
Schulte Tarazi, Nürnberg
11:20 Joint milieu and influence on ACL healing  
Rolfi, Bologna
11:35 Partial ACL rupture – classification and indication for trephination  
Eischhorn, Straubing
11:50 PRP for treating partial ACL ruptures  
Di Matteo, Bologna
12:05 A novel silk fiber-based scaffold for ACL regeneration – development and in vivo testing  
Teuschl, Wien
12:20 Ligament - Bone insertion – biomechanical and histological aspects (preclinical)  
Krüll, Münster
12:35 Ligament - Bone insertion – physiological and pathophysiologic implications (clinical)  
Weiler, Berlin
12:50 Lunch

ACL rupture and repair
Chair: Johnstone, Petersen, Weiler
13:50 Keynote: Bridge-Enhanced ACL Repair: Translating from Lab to the Clinic  
Murray, Boston
14:10 Myofibrilabolast – a candidate cells within the ACL  
Menetrey, Genf
14:25 The role of blood supply for ACL healing  
Steinert, Agatharied
Ligament preserving techniques  
Reflexion of the ACL – when, how?  
14:40 What do we have learned from history?  
Kröll, Basel
Mini battle: ACL preserving
15:00 My technique  
Schmitt, München
15:10 My technique  
Atechsang, Tübingen
15:15 Revision after ACL preservation: What tissue do we find?  
Herbert, Münster
15:30 Ligament bracing in complex knee injuries – what is different to isolated ligament injuries  
Frings, Hamburg
15:45 Coffee-Break
Prevention of ACL Injuries and Reruptures
Chair: Hewett, Williams
16:00 Keynote: Higher failure rate after anatomical ACL graft positioning – do we really have to respect anatomy?  
Williams, London
16:20 Knee factors for ACL Injuries  
Chomiak, Praha
16:35 Which structures protect the ACL?  
Eder, Donaustauf
16:50 Importance of nerve endings in the ACL  
Zeller, Regensburg
17:05 Medial Shelf Syndrome and association with traumatized – results of a histopathological Study  
Grevenstein, Köln
17:20 Mechanoreceptors in the ACL – what do we know?  
Brochhausen, Regensburg

Mini battle: Specific sport tests – what is necessary?  
17:35 Return to play  
Zantop C, Straubing
17:45 Back in action  
Hildebrandt, Innsbruck
17:55 Round table discussion  
Prevention programs  
FIFA 11+ and FIFA 11+kids  
Chomiak, Praha
18:25 VBG  
Krutsch, Regensburg
18:35 STOP X  
Petersen, Berlin
Dinner

Saturday, December 1st 2018

Conservative treatment of ACL injuries
Chair: Pedezzini, Lattmann
08:30 Does delayed ACL injury – can it be treated conservatively?  
Outcome and review of literature  
Hewett, Rochester
08:50 Keynote: ACL injury initiates posttraumatic OA regardless of surgical or non-surgical treatment. Potential strategies to reduce the long-term impact.  
Lohmander, Boston
09:10 Equipose and decision making issues for ACL injury – exploratory data from the ACL SNNAP trial  
Beard, Oxford
09:25 Do psychological aspects influence patient reported outcome and return to sport after ACL injury?  
Webster, Melbourne
09:40 Does delayed ACL reconstruction or treatment with exercise therapy alone influence prognostic factors for 5-year outcome?  
Lohmander, Lund
09:55 Criteria for conservative treatment of ACL instability  
Frobl, Lund
10:05 Criteria for surgical treatment of ACL instability  
Zantop T, Straubing
10:15 Round table discussion  
ACL rupture, what do we need for going conservative?  
10:35 Coffee-Break
Ligament substituting techniques  
Chair: Scheffler, Fleming
11:00 Keynote: Outcome after ACL reconstruction – results from the MOON cohort and MARS study group  
Spindler, Cleveland
11:20 Results and implications of the German ACL Registry  
Krutsch, Regensburg

11:35 Is a tendon appropriate for a ligament reconstruction – basic research aspects?  
Docheva, Regensburg
11:50 Graft-integration to the bone  
Weiler, Berlin
12:05 Sports specific implant choice for ACL reconstruction  
Efe, Marburg
12:20 Secondary prevention: How to prevent a re-rupture?  
Hoffmann, Donaustauf
12:35 Future perspectives: Do we need tissue engineered tendons or ligaments  
Steinert, Agatharied
12:50 Lunch

Failure of ACL reconstruction
Chair: Spindler, Mayr
13:50 Keynote: Strategies for minimizing post-traumatic osteoarthrits after ACL injury  
Fleming, Providence
14:10 Where does the ACL graft fail – in the tendon or at insertion?  
Scheffler, Berlin
Mini battle: How to perform the ACL revision?  
14:25 Single step revision  
Pederzini, Sassuolo
14:35 Staged revision  
Strobels, Straubing
14:45 Discussion with selected cases
14:50 Coffee-Break

Detecting comorbidities for ACL reconstruction failure and treatment
Chair: Strobels, Kröl
15:30 Keynote: Interaction between ACL, meniscus and cartilage – anatomy, stability and prevention of osteoarthritis  
Niemeyer, München
15:50 Measurement of rotational instability  
Mayr, München
16:05 Biomechanical aspects of anterolateral or posterolateral rotational instability of the knee  
Kittl, Münster
16:20 Influence of meniscus lesions  
Scheffler, Berlin
16:35 Cartilage and meniscus unit and implication to ACL insufficiency  
Brockmeyer, Hamburg
16:50 Axis deviation and ACL insufficiency – when should it be corrected?  
Dickorsch, Bamberg
17:05 Closing remarks  
Docheva, Angele, Regensburg
17:15 End of symposium