

Curriculum vitae René El Attal

René El Attal, MD, Assoc. Prof

born 22.12.1972 in Innsbruck, Austria
married, 4 Kids

since 2019

**Head of Orthopedics and Trauma
Sportsmedicine
Akademisches Lehrkrankenhaus
Feldkirch**

since 2016

**Head of Traumatology
Sportsmedicine
Akademisches Lehrkrankenhaus
Feldkirch**

until 2016

**Leading Surgeon Traumatology Unit
Medical University Innsbruck**

05/2016

Assoc. Prof. Medical University Innsbruck

05/2000

Medical Doctor Degree

1992 - 2000

Medical Studies at „Leopold Franzens
Universität Innsbruck“

1990-1991

Austrian Armees

1990

MATURA BRG Adolf Pichler Platz, IBK

Board Member

AGA: Deutschsprachige Arbeitsgemeinschaft für Arthroskopie

AOTrauma: Arbeitsgemeinschaft für Osteosynthese.

EKA: European Knee Associates

ESSKA: European Society of Sports Traumatology Knee Surgery and Arthroskopy

ISPG: International Patellofemoral Study Group (USA)

ÖGU: Österreichische Gesellschaft für Unfallchirurgie

Rapid Recovery Expert Group: Netzwerk Fast-track Endoprothetik

Organized Congresses and Courses

V. Operationskurs Knie für Fortgeschrittene 02/2020
(Innsbrucker Instabilitätskurs), Innsbruck

Concepts and Innovations in Knee Surgery 07/2019
Wien, Austria

Patella International Feldkirch und Innsbruck 02/2019

Concepts and Innovations in Knee Surgery 07/2017
Villach am, Austria

Patella International Cadavercourse IV 02/2017
International advanced knee course on patella instability and arthritis
Linz und Innsbruck, Austria

IV. Operationskurs Knie für Fortgeschrittene 15.-16.02.2016
(Innsbrucker Instabilitätskurs), Innsbruck

Concepts and Innovations in Knee Surgery 07/2015
Velden am Wörthersee, Austria

Patella International Cadavercourse III 02/2015
International advanced knee course on patella instability and arthritis
Medical University Innsbruck

III. Operationskurs Knie für Fortgeschrittene 17.-18.02/2014
(Innsbrucker Instabilitätskurs), Innsbruck

Patella International Cadavercourse II – Cadaver workshop and live surgery
Innsbruck, Austria, 17.02.-18.02.2013

II. Operationskurs Kniekurs für Fortgeschrittene 02/2012
(Innsbrucker Instabilitätskurs), Innsbruck

IV. Innsbrucker Current Concepts Dinner Meeting, Arthrose, Villa Blanka, Innsbruck,
13.Oktober 2012

III. Innsbrucker Current Concepts Dinner Meeting, Wenn das Knie schmerzt, und was
wir dagegen tun können, Villa Blanka, Innsbruck, 15. Oktober 2011

Patella International Cadavercourse I – Cadaver workshop and live surgery
Innsbruck, Austria, 01.-02. September 2011,

II. Innsbrucker Current Concepts Dinner Meeting, Die patellofemorale Instabilität
Villa Blanka, Innsbruck, 13.Mai 2011

I. Operationskurs Kniekurs für Fortgeschrittene 09/2010
(Innsbrucker Instabilitätskurs), Innsbruck

I. Innsbrucker Current Concepts Dinner Meeting, Differenzierte Therapie bei
Bandverletzungen am Knie, Villa Blanka, Innsbruck, 06/2010

3. AO Trauma Masterkurs Polytrauma/MIPO 2010, Medical University Innsbruck

1st PFNA Cut-Out Study group Meeting 2009, Medical University Innsbruck

4th AO IM Nailing Experts` Symposium 2009, Medical University Innsbruck

AO Masters Course MIO and Co-Management of Geriatric Patients,
Innsbruck, Austria 2009

2nd AO Expert Family Nailing Symposium,
Innsbruck, Austria 2007

List of Publications

ACL reconstruction with adjustable-length loop cortical button fixation results in less tibial tunnel widening compared with interference screw fixation.

Mayr R, Smekal V, Koidl C, Coppola C, Eichinger M, Rudisch A, Kranewitter C, **Attal R**. Knee Surg Sports Traumatol Arthrosc. 2019 Aug 1. doi: 10.1007/s00167-019-05642-9.

Static patella tilt and axial engagement in knee extension are mainly influenced by knee torsion, the tibial tubercle-trochlear groove distance (TTTG), and trochlear dysplasia but not by femoral or tibial torsion.

Kaiser P, Loth F, **Attal R**, Kummann M, Schuster P, Riechelmann F, Schlumberger M. Knee Surg Sports Traumatol Arthrosc. 2019 Jul 2. doi: 10.1007/s00167-019-05588-y.

Derotational femoral osteotomy changes patella tilt, patella engagement and tibial tuberosity trochlear groove distance.

Kaiser P, Konschake M, Loth F, Plaikner M, **Attal R**, Liebensteiner M, Schlumberger M. Knee Surg Sports Traumatol Arthrosc. 2019 Jun 18. doi: 10.1007/s00167-019-05561-9.

The anterolateral ligament and the deep structures of the iliotibial tract: MRI visibility in the paediatric patient.

Liebensteiner MC, Henninger B, Kittl C, **Attal R**, Giesinger JM, Kranewitter C. Injury. 2018 Oct 29. pii: S0020-1383(18)30645-4. doi:10.1016/j.injury.2018.10.040.

Temporary postoperative treatment with compartment-unloading knee braces or wedge insoles does not improve clinical outcome after partial meniscectomy.
Dammerer D, Fischer F, Mayr R, Giesinger J, El **Attal R**, Liebensteiner MC.
Knee Surg Sports Traumatol Arthrosc. 2018 Aug 22. doi:10.1007/s00167-018-5106-0.

Isolated medial patellofemoral ligament reconstruction for patella instability is insufficient for higher degrees of internal femoral torsion.
Kaiser P, Schmoelz W, Schöttle PB, Heinrichs C, Zwierzina M, **Attal R**.
Knee Surg Sports Traumatol Arthrosc. 2018 Jul 30. doi:10.1007/s00167-018-5065-5.

High complication rate following dynamic intraligamentary stabilization for primary repair of the anterior cruciate ligament.
Osti M, El **Attal R**, Doskar W, Höck P, Smekal V.
Knee Surg Sports Traumatol Arthrosc. 2018 Jul 21. doi:10.1007/s00167-018-5067-3.

Screw oversizing for anterior cruciate ligament graft fixation in primary and enlarged tibial tunnels: A biomechanical study in a porcine model.
Eichinger M, Schmoelz W, **Attal R**, Moroder A, Heinrichs CH, Smekal V, Mayr R.
Knee. 2018 Oct;25(5):774-781. doi: 10.1016/j.knee.2018.05.012. Epub 2018 Jun 7.

Rotationsfehlstellung des Femurs – Auswirkungen durch die Anwendung verschiedener CT-Messmethoden. Kaiser P, Jaschke W, **Attal R**.
Rofo. 2017 Dec;189(12):1168-1170. doi: 10.1055/s-0043-117889. Epub 2017 Nov 3. German.

Characteristics and outcome of patients with hypothermic out-of-hospital cardiac arrest: Experience from a European trauma center.
Ruttmann E, Dietl M, Kastenberger T, El **Attal R**, Ströhle M, Ulmer H, Mair P.
Resuscitation. 2017 Nov;120:57-62. doi: 10.1016/j.resuscitation.2017.08.242. Epub 2017 Sep 1.

Successful adaption of the Banff Patella Instability Instrument (BPII) 2.0 into German.
Becher C, **Attal R**, Balcarek P, Dirisamer F, Liebensteiner M, Pagenstert G, Schöttle P, Seitlinger G, Wagner D.
Knee Surg Sports Traumatol Arthrosc. 2017 Aug 7. doi: 10.1007/s00167-017-4673-9.

Tunnel widening after ACL reconstruction with aperture screw fixation or all-inside reconstruction with suspensory cortical button fixation: Volumetric measurements on CT and MRI scans.
Mayr R, Smekal V, Koidl C, Coppola C, Fritz J, Rudisch A, Kranewitter C, **Attal R**.
Knee. 2017 Oct;24(5):1047-1054. doi: 10.1016/j.knee.2017.06.007. Epub 2017 Jul 10.

Increased internal femoral torsion can be regarded as a risk factor for patellar instability - A biomechanical study.

Kaiser P, Schmoelz W, Schoettle P, Zwierzina M, Heinrichs C, **Attal R.**

Clin Biomech (Bristol, Avon). 2017 Aug;47:103-109. doi:

10.1016/j.clinbiomech.2017.06.007.

Treatment and outcome with traumatic lesions of the olecranon and prepatellar bursa: a literature review apropos a retrospective analysis including 552 cases.

Raas C, **Attal R**, Kaiser P, Popovscaia M, Zegg M.

Arch Orthop Trauma Surg. 2017 Jun;137(6):823-827. doi: 10.1007/s00402-017-2690-2. Epub 2017 Apr 26.

Do we still need autopsy in times of modern multislice computed tomography?-

Missed diagnoses in the emergency room.

Euler SA, Kastenberger T, **Attal R**, Rieger M, Blauth M, Petri M.

Arch Orthop Trauma Surg. 2017 Jan;137(1):43-47. doi: 10.1007/s00402-016-2588-4.

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Kaiser P, **Attal R**, Kammerer M, Thauerer M, Hamberger L, Mayr R, Schmoelz W.

Significant differences in femoral torsion values depending on the CT measurement technique.

Arch Orthop Trauma Surg. 2016 Sep;136(9):1259-64. doi: 10.1007/s00402-016-2536-3.

Liebensteiner MC, Ressler J, Seitlinger G, Djurdjevic T, **El Attal R**, Ferlic PW.

High Femoral Anteversion Is Related to Femoral Trochlea Dysplasia.

Arthroscopy. 2016 May 18. pii: S0749-8063(16)00263-2.

Heinrichs CH, Schmoelz W, Mayr R, Keiler A, Schöttle PB, **Attal R.**

Biomechanical evaluation of a novel dynamic posterior cruciate ligament brace.

Clin Biomech (Bristol, Avon). 2016 Mar;33:20-5.

Bunner A., **Attal R.**

What is the best salvage procedure for cut-out after trochanteric fractures with the PFNa or TFN?- a multicenter study.

Injury. 2016 Feb;47(2):432-8.

Lill M, **Attal R**, Rudisch A, Wick MC, Blauth M, Lutz M.

Does MIPO of fractures of the distal femur result in more rotational malalignment than ORIF? A retrospective study.

Eur J Trauma Emerg Surg. 2015 Nov 10.

Attal R, Mayr R, Heinrichs C, Eichinger M, Schmoelz W. (2015): Biomechanical Comparison of 2 Anterior Cruciate Ligament Graft Preparation Techniques for Tibial Fixation: Response. Am J Sports Med. Sep;43(9):NP38-9.

Mayr R, **Attal R**, Zwierzina M, Blauth M, Schmoelz W.(2015): Effect of additional fixation in tibial plateau impression fractures treated with balloon reduction and cement augmentation. Clin Biomech (Bristol, Avon). Oct;30(8):847-51

Mayr R, Heinrichs CH, Eichinger M, Smekal V, Schmoelz W, **Attal R.** (2015): Preparation techniques for all-inside ACL cortical button grafts: a biomechanical study. *Knee Surg Sports Traumatol Arthrosc.* Apr 19. [Epub ahead of print]

Mayr R, Heinrichs CH, Eichinger M, Coppola C, Schmoelz W, **Attal R.** (2015): Biomechanical comparison of 2 anterior cruciate ligament graft preparation techniques for tibial fixation: adjustable-length loop cortical button or interference screw. *Am J Sports Med.* Jun;43(6):1380-5.

Kreutziger J, Rafetseder A, Mathis S, Wenzel V, **El Attal R,** Schmid S. (2015): Admission blood glucose predicted haemorrhagic shock in multiple trauma patients. *Injury.* Jan;46(1):15-20.

Höntzsch D, Schaser KD, Hofmann GO, Pohlemann T, Hem ES, Rothenbach E, Krettek C, **Attal R** (2014): Evaluation of the Effectiveness of the Angular Stable Locking System in Patients with Distal Tibial Fractures Treated with Intramedullary Nailing. A Multicenter Randomized Controlled Trial
Journal of Bone and Joint Surgery Am, Nov 19;96(22):1889-97.

Mathis S, Kellermann S, Schmid S, Mutschlechner H, Raab H, Wenzel V, **El Attal R,** Kreutziger J. (2014): Modified McPeck score in multiple trauma patients. Prospective evaluation of a points system for recording follow-up factors.
Anaesthesist. May;63(5):387-93.

Attal R, Maestri V, Doshi HK, Onder U, Smekal V, Blauth M, Schmoelz W. (2014) The influence of distal locking on the need for fibular plating in intramedullary nailing of distal metaphyseal tibiofibular fractures.
Bone Joint J. Mar;96-B(3):385-9.

Haug LC, Glodny B, Deml C, Lutz M, **Attal R** (2013): A new radiographic method to detect dorsally penetrating screws when using volar locking plates in distal radial fractures. The dorsal horizon view
Bone Joint J. Aug;95-B(8):1101-5.

Innerhofer P, Westermann I, Tauber H, Breikopf R, Fries D, Kastenberger T, **El Attal R,** Strasak A, Mittermayr M. (2013): The exclusive use of coagulation factor concentrates enables reversal of coagulopathy and decreases transfusion rates in patients with major blunt trauma.
Injury. Feb;44(2):209-16.

Erhart S, Kammerlander C, **El-Attal R,** Schmoelz W. (2012): Is augmentation a possible salvage procedure after lateral migration of the proximal femur nail antirotation?
Arch Orthop Trauma Surg. Nov;132(11):1577-81.

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Arch Orthop Trauma Surg. Oct;132(10):1445-50.

Krappinger D, Zegg M, Jeske C, **El Attal R**, Blauth M, Rieger M. (2012): Hemorrhage after low-energy pelvic trauma. J Trauma Acute Care Surg. 2012 Feb;72(2):437-42.

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Oper Orthop Traumatol. Apr;24(2):131-9.

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Rommens PM, **El Attal R**, Hansen M, Kuhn S. (2011) Intramedullary nailing of proximal tibia fractures. Oper Orthop Traumatol. Dec;23(5):411-22.

Tauber H, Innerhofer P, Breitkopf R, Westermann I, Beer R, **El Attal R**, Strasak A, Mittermayr M.(2011): Prevalence and impact of abnormal ROTEM(R) assays in severe blunt trauma: results of the 'Diagnosis and Treatment of Trauma-Induced Coagulopathy (DIA-TRE-TIC) study'. Br J Anaesth. Sep;107(3):378-87.

Nienaber U, Innerhofer P, Westermann I, Schöchl H, **Attal R**, Breitkopf R, Maegele M. (2011):

The impact of fresh frozen plasma vs coagulation factor concentrates on morbidity and mortality in trauma-associated haemorrhage and massive transfusion. Injury. Jul;42(7):697-701.

Smekal V, Irenberger A, **Attal RE**, Oberladstaetter J, Krappinger D, Kralinger F. (2011): Elastic stable intramedullary nailing is best for mid-shaft clavicular fractures without comminution: Results in 60 patients.

Injury. Apr;42(4):324-9.

Rosenberger RE, Bale RJ, Kneisl C, Krappinger D, **Attal R**. (2010): Two dimensional fluoroscopic navigation in posterior cruciate ligament reconstruction. A preclinical cadaveric study. Arch Orthop Trauma Surg. Aug;130(8):971-6.

Attal R, Blauth M. (2010): Unaufgebohrte Marknagelung. Orthopäde. Feb;39(2):182-91.

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Rosenberger RE, Fink C, Quirbach S, **Attal R**, Tecklenburg K, Hoser C. (2008): The immediate effect of navigation on implant accuracy in primary mini-invasive unicompartmental knee arthroplasty. Knee Surg Sports Traumatol Arthrosc. Dec;16(12):1133-40.

T.J. Luger, **R. Attal**, G. Grömer, C. Schneider, J. Oberladstätter, M. Wagner, C. Fink und T. Haas. (2008): Prehospital medical care service during a Winter Universiade – a dynamic approach. Notfall und Rettungsmedizin, Volume 11, Number 3/ May

M. Reinhold, C. Bach, L. Audigé, R. Bale, **R. Attal**, M. Blauth and F. Magerl (2008): Comparison of two novel fluoroscopy-based stereotactic methods for cervical pedicle screw placement and review of the literature. Eur Spine J. Apr;17(4):564-75.

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Krappinger D, Kralinger FS, **Attal R**, Hackl W, Haid C. (2007): Modified Prusik knot versus whipstitch technique for soft tissue fixation in anterior cruciate ligament reconstruction: a biomechanical analysis. Knee Surg Sports Traumatol Arthrosc. Apr;15(4):418-23.

Rosenberger RE , Fink C , Bale RJ , Kovacs P , **El Attal R** , Hoser C. (2006):
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talus. Oper Orthop Traumatol. Oct;18(4):300-16.

Rieger M, Mallouhi A, **El Attal R**, Kathrein A, Knop C, Blauth M, Jaschke W. (2006):
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Falkensammer B, **El Attal R**, Mullauer B, Sarcletti M, Parson W, Dierich MP. (2002):
Loss of zidovudine related mutations in the reverse transcriptase gene of HIV after
switching therapy.
Eur J Med Res. Sep 30;7(9):379-86.

Reviewer for Scientific Journals

since 2004 AOTS (Archives of Orthopaedic and Trauma Surgery)

since 2010 Der Unfallchirurg

since 2014 AJSM (American Journal of Sports Medicine)

since 2018 KSSTA (Knee Surgery Sports Traumatology Arthroscopy)