

# Curriculum vitae

**PD Dr. med. Michael Schär MD**



## **CURRENT WORKING ADDRESS**

Department of Orthopedic Surgery and Traumatology  
Inselspital, University of Bern  
Freiburgstrasse  
3010 Bern

Phone: +41 31 632 21 11  
Email: michael.schaer@insel.ch

## **PERSONAL DETAILS**

Citizenship: Switzerland

Languages:	German	Mother Language	
	English		Fluent
	Spanish		Fluent
	French		Good

## EDUCATION

### Undergraduate

1984 – 1992 Basic school, Bern, Switzerland  
1992 – 1997 College in Bern, Graduate in Science  
1997 – 1999 Social Volunteer Service in Madrid, Spain

### Graduate

Oct 1999 – Nov 2005 Medical School, University of Bern, Bern, Switzerland  
  
Oct 2004 – Dec 2004 Internship in Orthopaedic Surgery  
Harvard Medical School, Children's Hospital, Boston, USA  
Supervisor: Prof. M. Millis  
  
Mar 2006 Federal physician's diploma awarded by the Swiss  
Confederation

### MD-Thesis

Mar 2006 "Anatomic considerations for the choice of surgical  
approach for hip resurfacing arthroplasty"  
Medical School, University of Bern, Bern, Switzerland  
Supervisor: Prof. R. Ganz

### Habilitation

Dec 2022 Privatdozent, University of Bern, Bern, Switzerland

### Postgraduate

Apr 2006 – Feb 2008 Resident  
Department of Otolaryngology, Head and Neck Surgery  
Inselspital Bern, University of Bern, Bern, Switzerland  
Chairman: Prof. R. Häusler  
  
Mar 2008 – Sep 2010 Resident  
Orthopaedics, Traumatology and General Surgery  
Spital Netz Bern, Ziegler, University of Bern, Bern,  
Switzerland  
Chief and supervisor: Prof. H. P. Nötzli  
  
Nov 2009 Basic federal examination in general surgery, Bern,  
Switzerland  
  
Oct 2010 – June 2011 Resident  
Orthopaedics and Traumatology  
Klinik Sonnenhof, Bern, Switzerland  
Supervisors: Prof. H. P. Nötzli  
  
June 2011 – Mai 2012 Research Fellow  
Department of Orthopaedic Surgery, Team Sports and Knee  
Inselspital Bern, University of Bern, Bern, Switzerland  
Supervisors: PD Dr. M. A. Zumstein

- Mai 2011 – Apr 2012 Consultant (20%)  
Department of Innovation, Shoulder and Knee  
Mathys AG, Bettlach, Switzerland
- Mai 2012 – Feb 2014 Research Fellow  
Department of Orthopaedic Surgery, Team Sports and Knee  
Hospital for Special Surgery, Cornell University, New York,  
USA  
Supervisor: Prof. Dr. Scott Rodeo
- Mar 2014 – Feb 2015 Clinical Resident and Research Fellow  
Department of Orthopaedic Surgery and Traumatology  
Inselspital Bern, University of Bern, Bern, Switzerland  
Supervisors: Prof. Dr. med. K. Siebenrock
- Mar 2015 – Jun 2016 Senior Physician (Oberarzt i.V. and Oberarzt)  
Department of Orthopaedic Surgery and Traumatology  
Team Shoulder and Elbow  
Bürgerspital, Solothurn, Switzerland  
Supervisor: PD Dr. Näder Helmy, Dr. Ulf Riede
- Jul 2016 – Dec 2016 Senior Physician (Oberarzt)  
Department of Emergency Medicine, UNZ,  
Inselspital, University of Bern, Bern, Switzerland  
Supervisor: Prof Dr. med. Exadactylos
- Jan 2017 – Aug 2019 Senior Physician (Oberarzt)  
Department of Orthopaedic Surgery and Traumatology  
Team Shoulder and Elbow  
Inselspital Bern, University of Bern, Bern, Switzerland  
Supervisors: Prof. Dr. med. K. Siebenrock, Prof. Dr. med M.  
Zumstein
- Sep 2019 – today Spitalfacharzt I (Stufe Leitender Arzt)  
Teamleader Shoulder, Elbow and Sportsmedicine  
Department of Orthopaedic Surgery and Traumatology  
Inselspital Bern, University of Bern, Bern, Switzerland

## **EDUCATIONAL ACTIVITIES /LECTURES**

- Oct 2003 – Feb 2004 Peer tutor for 1<sup>st</sup> year medical school students (15x2h)  
Medical School, University of Bern
- Apr 2006 – Mar 2008 Peer tutor for 4<sup>th</sup> and 5<sup>th</sup> year students:  
Physical examination in otolaryngology (20x2h)  
Dept. of Otolaryngology, University of Bern
- Apr 2010 – Sep 2011 Peer Tutor for 4<sup>th</sup>-6<sup>th</sup> year students:  
Current concepts in orthopaedics and traumatology (8x2h)  
Dept. of Orthopaedics and Traumatology, Spital Netz Bern  
Ziegler, University of Bern

- Oct 2010 – Apr 2011 Peer tutor for 4<sup>th</sup>-6<sup>th</sup> year students: Current concepts in orthopaedics and traumatology (4x2h)  
Dept. of Orthopaedics and Traumatology, Klinik Sonnenhof Bern, University of Bern
- Sep 2016 Schulteruntersuchung Offiziersschule der Mediziner
- Jan 2017 – today Peer tutor for 2<sup>nd</sup>-3<sup>rd</sup> year medical school students (15x2h/year) Medical School, University of Bern

### **SUPERVISOR OF SCIENTIFIC DISSERTATIONS**

- Oct 2012 – Oct 2017 Mid- and long term evolution of the clinical and radiological pathologies in the shoulder 8 resp. 15 years after completion of a professional handball career,  
Simone Dellenbach, University of Bern
- Oct 2012 – Dec 2018 A new reconstruction of the acromioclavicular joint using bi-resp. tripodal anchorage. Biomechanical comparison with a conventional reconstruction with Tight-Rope fixation  
Stefanie Jenni, University of Bern, Bern, Switzerland
- Feb 2012 – Aug 2019 Mid-term outcome of a new arthroscopic transosseous anchor free rotator cuff repair  
Andreas Schaer, University of Bern, Switzerland
- Jun 2019 – today Failed total shoulder arthroplasty in a syringomyelia patient  
Case report  
Kathi Zimdars, University of Bern, Switzerland

### **SUPERVISOR OF MD-PHD CANDIDATES**

- Jan 2019- today Slavko Corluka  
Development of a bioreactor of the human enthesis

### **ZUSÄTZLICHE LEHRLEISTUNG**

- Mar 2017 Ärztlicher Leiter, CAS Mastermodul  
Orthopädie/Traumatologie SVGS, Universität Bern, 4  
Lehrstunden, 21.03.2017 – 23.03.2017
- Seit 2018 Koordinator Blockunterricht gesamtes Inselspital Bern

## BIBLIOGRAPHY

### AWARDS

- 2016                    **Venel Preis**  
*Schweizerische Gesellschaft für Orthopädie und Traumatologie*  
Reduced Muscle Degeneration and Decreased Fatty Infiltration  
after Rotator Cuff Tear in a PARP-1 Knock-Out Mouse Model  
Künzler M, Nuss K, Karol A, **Schär M**, Hottiger M, Raniga S,  
Kenkel D, von Rechenberg B, Zumstein MA
- 2016                    **Perthes Preis**  
*Deutsche Vereinigung für Schulter- und Ellbogenchirurgie (DVSE)*  
Reduced Muscle Degeneration and Decreased Fatty Infiltration  
after Rotator Cuff Tear in a PARP-1 Knock-Out Mouse Model  
Künzler M, Nuss K, Karol A, **Schär M**, Hottiger M, Raniga S,  
Kenkel D, von Rechenberg B, Zumstein MA
- 2016                    **Charls S. Neer Award, Basic Research**  
*American Shoulder and Elbow Surgeons*  
Reduced Muscle Degeneration and Decreased Fatty Infiltration  
after Rotator Cuff Tear in a PARP-1 Knock-Out Mouse Model  
Künzler M, Nuss K, Karol A, **Schär M**, Hottiger M, Raniga S,  
Kenkel D, von Rechenberg B, Zumstein MA
- 2015                    **Best Poster Price, Basic Research**  
*Schweizerische Gesellschaft für Orthopädie und Traumatologie*  
Schär M, Ma R, Titan A, Carbone A, Carballo C, Gu W, Sisto M,  
Zumstein MA, Deng XH, Rodeo SA Bone Marrow Derived  
Mesenchymal Stem Cells Transduced With SOX-9 Improve  
Rotato Cuff Healing in a Rat Model.
- 2014                    **Aircast Award for Basic Science Research**  
*American Society for Sports Medicine*  
Ma R, Schaer M, Chen T, Sisto M, Voigt C, Ying L, Deng X,  
Rodeo S  
The Effect of Dynamic Changes in ACL Graft Force on Soft  
Tissue ACL Graft-Tunnel Incorporation.

### NOMINATED FOR AWARDS

- 2014                    **Best poster price**  
Fox A, **Schär M**, Wanivenhaus F, Chen T, Attia E, Binde N,  
Otero-Adran M, Gilbert S, Nguyen J, Chaudhury, S, Warren R,  
Rodeo SA  
Fluoroquinolones Impair Tendon Healing in a Rat Rotator Cuff  
Repair Model: A Preliminary Study  
Annual meeting, SECEC, Istanbul

## ORIGINAL ARTICLES

- 2022            **Schär MO**, Ma R, Demange M, Morgan M, Chen T, Douglas BJ, Dyke JP, Deng X, Rodeo S  
Use of small animal PET-CT imaging for in vivo assessment of tendon-to-bone healing: A pilot study  
J Orthop Surg (Hong Kong) Jan-Apr 2022;30(1): 23094990221076654. 2022
- 2021            Murphy R, Ambuehl B, **Schaer MO**, Weihs J, Moor BK, Zumstein MA  
BiPOD arthroscopically assisted bidirectional stabilisation technique for high-grade acromioclavicular joint injury: two-year clinical and radiological outcomes  
Arch Orthop Trauma Surg. 141(9): 1559-1565. 2021
- 2020            Titan A and **Schär MO** (have done equal of the work), Hutchinson I, Demange M, Chen T, Rodeo S  
Growth Factor Delivery to a Bovine Defect Using Leukocyte –Rich Platelet-Rich Concentrates on a Hyaluronic Acid Scaffold.  
Arthroscopy. May;36(5): 1431-1440.2020
- 2019            **Schaer MO**, Finsterwald M, Holweg I, Dimitriou D, Antoniadis A, Helmy N  
Migration analysis of a metaphyseal-anchored short femoral stem in cementless THA and factors affecting the stem subsidence.  
BMC Musculoskelet Disord. 2019 Dec 12;20(1):604.
- 2019            Ma R, **Schär MO**, Deng XH, Wang H, Chen T, Lebaschi A, Wada S, Rodeo S  
The Use of Human Placental-Derived Cells in a Preclinical Model of Tendon Injury  
J Bone Joint Surg Am. Jul 3;101(13):e6. 2019
- 2019            **Schär MO**, Jenni S, Fessel G, Snedeker JG, Scheibel M, Zumstein MA  
Biomechanical comparison of two biplanar and one monoplanar reconstruction techniques of the acromioclavicular joint  
Arch Orthop Trauma Surg. 2019 Jun;139(6):779-786.  
doi: 10.1007/s00402-019-03137-3. Epub 2019 Feb 9.
- 2018            Antoniadis A, Camenzind RS, **Schär MO**, Bergadano D, Helmy N  
Accuracy of tibial cuts with patient-specific instrumentation is not influenced by the surgeon's level of experience  
Knee Surg Sports Traumatol Arthrosc. 2018 Jun 5.  
doi: 10.1007/s00167-018-4992-5.
- 2018            Ma R, **Schär M**, Chen T, Sisto M, Nguyen J, Voigt C, Deng XH, Rodeo SA  
Effect of Dynamic Changes in Anterior Cruciate Ligament In Situ Graft Force on the Biological Healing Response of the Graft-Tunnel Interface.  
Am J Sports Med. 2018 Mar;46(4):915-923

- 2017 **Schär MO**, Dellenbach S, Pfirrmann CW, Raniga S, Jost B, Zumstein MA  
Many Shoulder MRI Findings in Elite Professional Throwing Athletes Resolve After Retirement: A Clinical and Radiographic Study.  
Clin Orthop Relat Res. 2018 Mar;476(3):620-631.
- 2017 Zumstein MA, Schiessl P, Ambuehl B, Bolliger L, Weihs J, Maurer MH, Moor BK, **Schaer M**, Raniga S  
New quantitative radiographic parameters for vertical and horizontal instability in acromioclavicular joint dislocations.  
Knee Surg Sports Traumatol Arthrosc. 2018 Jan;26(1):125-135.
- 2016 Kuenzler MB, Nuss K, Karol A, **Schär MO**, Hottiger M, Raniga S, Kenkel D, von Rechenberg B, Zumstein MA  
Neer Award 2016: reduced muscle degeneration and decreased fatty infiltration after rotator cuff tear in a poly(ADP-ribose) polymerase 1 (PARP-1) knock-out mouse model.  
J Shoulder Elbow Surg. 2017 May;26(5):733-744.
- 2016 De Beer J, **Schaer M**, Latendresse K, Raniga S, Moor BK, Zumstein MA.  
BiPOD Arthroscopic Acromioclavicular Repair Restores Bidirectional Stability  
Orthopedics. 2017 Jan 1;40(1):e35-e43.
- 2016 Kohl S, Evangelopoulos DS, **Schär MO**, Bieri K, Müller T, Ahmad SS.  
Dynamic intraligamentary stabilisation: initial experience with treatment of acute ACL ruptures.  
Bone Joint J. 2016 Jun;98-B(6):793-8
- 2015 Zumstein MA, Rumian A, Thélu ChE, Lesbats V, O'Shea K, **Schaer M**, Boileau P  
SECEC Research Grant 2008 II: Use of platelet- and leucocyte-rich fibrin (L-PRF) does not affect late rotator cuff tendon healing: a prospective randomized controlled study  
Journal of shoulder and Elbow Surgery
- 2015 **Schär MO**, Diaz-Romero J, Kohl S, Zumstein MA, Nestic D  
Platelet-rich concentrates differentially release growth factors and induce cell migration in vitro.  
Clinical Orthopedics and Related Research. 2015 May;473(5):1635-43. doi: 10.1007/s11999-015-4192-2.
- 2015 Ahmad SS, Gantenbein B, Evangelopoulos DS, **Schär MO**, Schwienbacher S, Kohlhof H, Kohl S  
Arthroplasty – current strategies for the management of knee osteoarthritis. Swiss Med Wkly. 2015 Feb 9;145:w14096.
- 2014 Fox A, **Schär M**, Wanivenhaus F, Chen T, Attia E, Binde N, Otero-Adran M, Gilbert S, Nguyen J, Chaudhury, S, Warren R, Rodeo SA  
Fluoroquinolones Impair Tendon Healing in a Rat Rotator Cuff

- Repair Model: A Preliminary Study  
American Journal of Sports Medicine, Accepted (November 2014)
- 2014 Naal, FD, **Schär M**, Miozzari H, Nötzli H  
Sports and Activity Levels After Open Surgical Treatment of Femoroacetabular Impingement  
American Journal of Sports Medicine, 2014 Apr 29;42(7)
- 2014 Zumstein MA, Rumian A, Lesbats V, **Schaer M**, Boileau P  
Increased vascularization during early healing after biologic augmentation in repair of chronic rotator cuff tears using autologous leukocyte- and platelet-rich fibrin (L-PRF): a prospective randomized controlled pilot trial.  
J Shoulder Elbow Surg. 2014 Jan;23(1):3-12. doi: 10.1016/j.jse.2013.08.017.
- 2013 Ahmad S, Huber K, Evangelopoulos D, Kleer B, Kohlhof H, **Schär M**, Eggli S, Kohl S  
The Cement Prosthesis-Like Spacer: An Intermediate Halt on the Road to Healing;  
ScientificWorldJournal. 2013 Sep 30;2013:763434. doi: 10.1155/2013/763434.
- 2012 Naal FD, Miozzari HH, **Schär M**, Noetzli HP  
Sports activity five years after surgical hip dislocation for the treatment of femoroacetabular impingement.  
American Journal of Sports Medicine 2012 May; 218:66-76.
- 2005 Nork SE, **Schär M**, Pfander G, Beck M, Djonov V, Ganz R, Leunig M  
Anatomic considerations for the choice of surgical approach for hip resurfacing arthroplasty.  
Orthop Clin North Am. 2005 Apr; 36(2):163-70, viii.

## REVIEW ARTICLES

- 2021 Abel J, Zumstein MA, Bolliger L, **Schär MO**  
Plättchenkonzentrate in der Behandlung von Rotatorenmanschettenläsionen  
Obere Extremität, Springer Verlag, 16, 94-107. 2021
- 2021 Fox AJX, Fox OJK, **Schär MO**, Chaudhury S, Warren RF, Rodeo SA.  
The glenohumeral ligaments: Superior, middle, and inferior: Anatomy, biomechanics, injury, and diagnosis.  
Clin Anat. Wiley-Blackwell-Verlag, Mar:34(2):283-296. 2021
- 2018 Abel J, Zumstein MA, Bolliger L, **Schär MO**  
[Current aspects and new techniques in dislocation of the shoulder joint].  
Orthopäde. 2018 Feb;47(2):158-167.



- 2017 Zumstein MA, Lädermann A, Raniga S, **Schär MO**  
The Biology of Rotator Cuff Healing  
SOFCOT 2016
- 2014 **Schär M**, Rodeo SA, Zumstein MA  
Biologics in Shoulder Surgery  
Shoulder and Elbow
- 2013 **Schaer M**, Rodeo, Zumstein  
Intraoperative biological augmentation of tendons and entheses  
Arthroskopie, Band 26, Heft 2, Mai 2013 Online
- 2012 Schaer A, **Schaer M**, Zumstein MA  
Influence of chronic, structural changes of the muscle-tendon unit  
on the indication and technique of rotator cuff reconstruction  
Oper Orthop Traumatol. 2012 Nov;24(6):527-35. doi:  
10.1007/s00064-012-0159-6.
- 2011 **Schaer M**, Schober M, Boileau P, Zumstein MA  
Biologically based strategies to augment rotator cuff tears  
Int J Shoulder Surg. 2012 Apr;6(2):51-60. doi: 10.4103/0973-  
6042.96995.
- 2011 **Schaer M**, Zumstein MA  
Arthroscopic techniques of the biceps tenodesis.  
Leading Opinions Orthopädie & Rheumatologie 2/2011; 19-23
- 2011 Schober M, **Schaer M**, Boileau P, Zumstein MA  
The biology of the healing of rotator cuff tears. Obere Extremität  
(2011) 6: 125-136, June 01, 2011

## PUBLISHED BOOK SECTIONS

- 2015 Zumstein MA, Abeysekera N, Pellegrino P, Moor B, **Schär MO**  
Ultrastructure and Pathoanatomy of the Rotator Cuff  
in: G.I. Bain et al. (eds.), *Normal and Pathological Anatomy of the  
Shoulder*, DOI 10.1007/978-3-662-45719-1\_21, © ISAKOS 2015
- 2014 Ma R, **Schaer M**, Hogan M, Demange M, Rodeo SA.  
The use of orthobiologics in sports medicine: The clinical  
application of platelet-rich plasma and stem cell therapy.  
DeLee & Drez's Orthopaedic Sports Medicine: Principles and  
Practice; 2014; 4<sup>th</sup> edition
- 2014 **Schaer MO**, Rodeo SA.  
Biology of injury and repair of soft tissues of the shoulder  
Springer-Verlag London, Soulder Arthroscopy G. Milano (ed.)  
DOI 10.1007/978-1-4471-5427-3\_5,
- 2012 Boileau P, **Schaer M**, Rumian A, Brassart N, Bugnas B, Zumstein  
MA

Only dependent Arthroscopic transosseous equivalent Double-Row Rotator Cuff Repair leads to Medial Failurs  
Shoulderarthroscopy & arthroplasty -Current Concepts 2012

- 2011 Zumstein MA, Moineau G, **Schaer M**, Boileau P  
Les facteurs de croissance dans la cicatrisation de la coiffe des rotatoeurs. p. 90 – 98. Monographie AFCP, Sofcot, Elsevier-Masson, France

## **PUBLISHED ABSTRACTS**

- 2013 Zumstein MA, **Schaer M**  
Growth factor application in rotator cuff repair: state of the art and future perspectives, Symposium (Instructional Course Lecture), ICSES 2013, Nagoya Japan, SSY-1-2
- 2012 Zumstein MA, **Schaer M**, Boileau P  
Growth factor application in rotator cuff repair: state of the art and future perspectives, SECEC-ESSE, Dubrovnik, Croatia, p 16 - 20
- 2011 **Schaer M**, Boileau P, De Beer J, Zumstein MA  
Acute and chronic type III – VI AC joint dislocations: stabilization techniques, SECEC instructional course lectures, page 1-3

## PRESENTATIONS

### INVITED PRESENTATIONS

8. Sep 2022      **Schär M**  
ICL lecture: Radiographic evaluation of AC instability  
SECEC annual conference, Dublin, Sept 2022
28. Sep 2021      **Schär M**  
Injektionen subacromial – die Rolle von autologen Blut- und  
Zellprodukten oder doch noch Kortison?  
DVSE Webinar live event: Subacromiale Pathologien
13. Sep 2019      **Schär M**  
Biologische Aspekte der Sehnenheilung  
ICL, AGA, Mannheim, Deutschland, Sept 2019
21. Mar 2019      **Schär M**  
Biologics in Rotator Cuff Repair  
Refixation Update 2019, Münster, Deutschland, 21.-23.03.2019
20. Mai 2017      **Schär M**  
Platelet concentrates growth factor release and impact on cell  
migration,  
14. Konferencji Naukowej, Ustroń, Polen, 19-21. Mai 2017
4. Okt 2017      **Schär M**  
Biologische Augmentation Schulter  
Schulterkurs München, Deutschland, 2.-4.10.2017
18. Feb 2017      **Schär M**  
Orthobiologics: Only an academic item?  
Refixation Update 2017, Münster, Deutschland, 16.-18.02.2017
16. Sep 2016      **Schär M**  
Instructional Course Lecture (ICL)  
Intraoperative biologische Augmentation an Sehnen im Bereich  
der Schulter (IK12-356)  
Presenter: **Schär M**  
33. AGA Kongress, Basel, Schweiz
15. Sep 2016      **Schär M**  
Behandlung der Schulterinstabilität (OP01-593)  
Vortrag OP Personal  
Presenter: **Schär M**  
33. AGA Kongress, Basel, Schweiz
- Mar 2015      **Schär M**  
Annual Course: Refixation Update 2012, Münster, Germany  
Rotator Cuff: Basic science-Update 2015

- Oct 2014      Zumstein M, **Schaer M**  
Scaffolds in Rotator Cuff Repair  
Presenter: Zumstein M  
SPOT inForma, Portugal
- Sep 2014      Ma R, **Schaer M**, Sisto M, Chen T, Voigt C, Ying L, Deng XH,  
Rodeo SA  
Presenter: **Schaer M**  
The interaction between ACL graft strain and graft tunnel  
incorporation: An experience with a small animal ACL  
reconstruction model  
31. AGA Kongress 2014
- Sep 2014      Ma R, **Schaer M**, Sisto M, Chen T, Wang H, Ying L, Deng XH,  
Rodeo SA  
Presenter: **Schär M**  
The Use of Human Placental-Derived Adherent Stromal Cells  
Improves Tendon Healing in a Preclinical Model of Tendon Injury  
31. AGA Kongress 2014
- Jul 2011      Annual Course of the Swiss Sports Medicine Society, Leukerbad,  
Switzerland  
Physical Examination of the Shoulder
- March 2012    Annual Course: Refixation Update 2012, Münster, Germany  
Rotator Cuff: Basic science-Update 2012
- March 2012    IMUKA 2012, Maastricht, Netherlands  
Platelet rich plasma (PRP) and ACL

## PRESENTATIONS/MEETINGS

14. Sep 2017    **Schär M**  
A Pilot Study Examining The Feasibility And Safety Of Using Bone  
Marrow Aspirate Concentrate In Improving Rotator Cuff Tendon  
Healing Following Arthroscopic Rotator Cuff Repair, SECEC  
Annual conference, Berlin, Deutschland, 13.-16. September
2. Jun 2017    **Schär M**  
A Pilot Study Examining The Feasibility And Safety Of Using Bone  
Marrow Aspirate Concentrate In Improving Rotator Cuff Tendon  
Healing Following Arthroscopic Rotator Cuff Repair  
18th EFORT Congress, Wien, Österreich, Freitag, 2. Juni 2017,  
08:15
18. Mär 2017    **Schär M**  
Is Bone Marrow Concentrate Harvested During Arthroscopy from  
the Humeral Head as Good as Concentrate Harvested from the  
Iliac Crest? International Symposium on Ligaments and Tendons-  
XVI, San Diego, USA, 18. März 2017

- Sep 2016 **Schär M**, Künzler M, Ihn H, Akeda M, McGarry M, Zumstein MA, Lee TQ  
 Presenter: **Schär M**  
 Effect of Capsule Repair on Rotational and Varus Stability in PLRI Reconstruction  
 Closed Meeting SECEC, Antwerpen, Belgium
- Sep 2016 **Schär M**, Carballo, C, Ying, L; Xiangyu, G; Rudchenko, S; Warren, Russell; Rodeo S  
 Presenter: **Schär M**  
 Is Bone Marrow Concentrate Harvested During Arthroscopy From The Humeral Head As Good As Concentrate Harvested From The Iliac Crest?  
 33. AGA Kongress, Basel, Schweiz
- Sep 2016 **Schär M**, Völkle D, Zumstein MA, Raniga S, Mini O, Nyffeler R  
 Presenter: **Schär M**  
 Long-term results of coracoclavicular screw fixation of neer type II distal clavicle fractures (FV03-200)  
 33. AGA Kongress, Basel, Schweiz
- Sep 2016 **Schär M**, Ma R, Titan A, Sisto M, Deng XH, Rodeo SA  
 Presenter: **Schär M**  
 Fibrin Glue Does Not Improve Rotator Cuff Healing in a Rat Model (RD03-215)  
 33. AGA Kongress, Basel, Schweiz
- Sep 2016 **Schär M**, Ma R, Titan A, Sisto M, Deng XH, Rodeo S  
 Presenter: **Schär M**  
 Do Bone Marrow Derived Mesenchymal Stem Cells Transduced With Sox-9 Improve Rotator Cuff Healing? (RD03-231)  
 33. AGA Kongress, Basel, Schweiz
- Sep 2016 **Schär M**, Schär A, Zumstein MA, Charles H  
 Presenter: **Schär M**  
 Mid-term outcome of a new arthroscopic transosseous anchor free rotator cuff repair (FV15-216)  
 33. AGA Kongress, Basel, Schweiz
- Jul 2016 **Schär M**, Carballo, C, Ying, L; Xiangyu, G; Rudchenko, S; Warren, Russell; Rodeo S  
 Presenter: **Schär M**  
 Is Bone Marrow Concentrate Harvested During Arthroscopy From The Humeral Head As Good As Concentrate Harvested From The Iliac Crest?  
 Annual Meeting of the Swiss Society of Orthopedic Surgeons Geneva
- Jul 2016 **Schär M**; Fleck, M; Camenzind, R; Antoniadis, A; Helmy, N  
 Presenter: **Schär M**  
 Factors Influencing The Stem Migration Rate After Implantation Of A Short-Stem Hip Implant  
 Annual Meeting of the Swiss Society of Orthopedic Surgeons Geneva

- Jul 2016 Camenzind, R; **Schär, M**; Antoniadis, A; Helmy, N  
 Presenter: Camenzind R  
 The Anatomical Restored Femoroacetabular Offset Does Not Correlate With Clinical Results Of A Short-Stem In Combination With A Monoblock Pressfit Cup For THA  
 Annual Meeting of the Swiss Society of Orthopedic Surgeons Geneva
- Sep 2015 **Schär M**, Ma R, Sisto M, Gu W, Titan A, Deng XH, Rodeo S  
 Presenter: **Schär M**  
 Fibrin Glue Does Not Improve Rotator Cuff Healing in a Rat Model SECEC, Milano
- Jun 2015 Schär M, Ma R, Titan A, Carbone A, Carballo C, Gu W, Sisto M, Zumstein MA, Deng XH, Rodeo SA  
 Bone marrow derived mesenchymal stem cells transduced with SOX-9 improve rotator cuff healing in a rat model.  
 75. Jahreskongress Swiss Orthopaedics, Basel, Schweiz, Juni 24-26, 2015. Jahresbericht 2015, Universitätsklinik für Orthopädische Chirurgie und Traumatologie
- Jun 2015 Schär M, Ma R, Titan A, Sisto M, Gu W, Zumstein MA, Deng XH, Rodeo SA  
 Fibrin glue does not improve rotator cuff healing in a rat model.  
 75. Jahreskongress Swiss Orthopaedics, Basel, Schweiz, Juni 24-26, 2015.
- Jun 2014 Ma R, Sisto M, Chen T, Voigt C, Ying L, Deng XH, Rodeo SA  
 Presenter: **Schaer M**  
 The interaction between ACL graft strain and graft tunnel incorporation: An experience with a small animal ACL reconstruction model  
 Annual Meeting of the Swiss Society of Orthopedic Surgeons 2014, Abstract ID 6649, Abstract Nr. FM02
- Jun 2014 Ma R, **Schaer M**, Sisto M, Chen T, Wang H, Ying L, Deng XH, Rodeo SA  
 Presenter: **Schär M**  
 The Use of Human Placental-Derived Adherent Stromal Cells Improves Tendon Healing in a Preclinical Model of Tendon Injury  
 Annual Meeting of the Swiss Society of Orthopedic Surgeons 2014, Abstract ID 6647, Abstract Nr. FM07
- Mar 2014 Subramony S, Qu D, Ma R, **Schaer M**, Guo E, Doty S, Rodeo SA, Lu H  
 In Vitro Optimization and In Vivo Evaluation of a Multi-Phased Nanofiber-Based Synthetic ACL Scaffold  
 ORS New Orleans, 2014. Paper No. 0116
- Mar 2014 Ma R, **Schaer M**, Chen T, Sisto M, Ying L, Deng XH, Rodeo SA.  
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- Feb 2014 Fox AJ, **Schaer M**, Wanivenhaus F, Chen T, Attia E, Binder N, Otero-Adran M, Gilbert S, Nguyen J, Chaudhury S, Warren R, Rodeo S  
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- Feb 2014 Ma R, **Schaer M**, Rodeo S  
The Effect of ACL In Situ Graft Force on the Biologic Healing Response of the ACL Graft-Tunnel Interface  
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- Oct 2013 **Schaer M**, Dellenbach S, Pfirrmann C, Jost B, Zumstein M  
Clinical and Radiographical Mid- and Long-term Evolution in the Throwing Shoulder 6.8 resp. 21 Years after Completion of a Professional Handball Career  
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- Sept 2013 **Schaer M**, Romero-Diaz J, Kohl S, Zumstein M, Nestic D  
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ICRS, Istanbul, Turkey, 2013 Presentation Nr. 11.4.2
- June 2013 **Schaer M**, Dellenbach S, Pfirrmann Ch, Jost B, Zumstein M  
Clinical and Radiographical Mid- and Long-term Evolution in the Throwing Shoulder 6.8 resp. 21 Years after Completion of a Professional Handball Career  
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- June 2013 **Schaer M**, Romero-Diaz J, Kohl S, Zumstein M, Nestic D  
A comparative study of growth factor release from L-PRF and L-PRP and their effect on migration of mesenchymal stem cells and endothelial cells  
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- June 2013 Naal F, **Schär M**, Miozzari H, Nötzli HP  
Sports and activity levels after open treatment of femoroacetabular impingement  
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- Jul 2012 **Schaer M**, Voelkle D, Zumstein M, Mini O, Nyffeler R.W.  
Coracoclavicular Screw Fixation of Neer Type II Distal Clavicle Fractures: Long-term Results  
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- 2007 **Schaer M**, Candreia C, Zbären P  
*Lymphnode Recurrence of Thyroid Carcinoma*  
94th spring congress of the Swiss Otolaryngology, Head and Neck Surgery Society Switzerland, 2007

## POSTER PRESENTATIONS

- Nov 2022 Erdbrink S, Flückiger R, Wangler S, Moser H, Schär MO  
Implantation of a wrist spanning plate for complex distal radius fractures  
4th Swiss Orthogeriatrics Day 2022, Basel, Schweiz
- Sep 2016 Helmy N, Fleck M, Camenzind R, Antoniadis A, **Schär M**  
Factors influencing the stem migration rate after implantation of a short-stem hip implant (P03-228)  
33. AGA Kongress, Basel, Schweiz
- Jun 2015 **Schär M**, Ma R, Titan A, Carbone A, Carballo C, Gu W, Sisto M, Zumstein MA, Deng XH, Rodeo SA  
Bone marrow derived mesenchymal stem cells transduced with SOX-9 improve rotator cuff healing in a rat model. SECEC 2015, Mailand, Italien, September 16-19, 2015.
- Jun 2014 **Schaer M**, Ma R, Sisto M, Demange M, Deng XH, Rodeo SA  
Use of Small Animal Multi-Modality Imaging for in Vivo Assessment of Tendon-to-Bone Healing  
Annual Meeting of the Swiss Society of Orthopedic Surgeons 2014, Abstract ID 6657, Abstract Nr. P75
- March 2014 Fox AJ, **Schaer M**, Wanivenhaus F, Chen T, Attia E, Binder N, Otero-Adran M, Gilbert S, Nguyen J, Chaudhury S, Warren R, Rodeo S  
Fluoroquinolones Impair Tendon-Bone Healing in a Rat Rotator Cuff Repair Model  
ORS New Orleans, USA, Poster No. 1373
- March 2014 Frawley R, Hutchinson I, **Schar M**, Demange M, Torzilli P, Warren R, Maher S, Chen T, Rodeo SA  
Quantification Of The Chemotactic Effects Of Platelet Rich Fibrin And Blood Clot In A Novel One-Dimensional Explant Diffusion Model: Simulating A Meniscal Interface In Vitro  
ORS, New Orleans, USA, Poster No. 0465
- March 2014 **Schaer M**, Ma R, Sisto M, Demange M, Chen T, Deng XH, Rodeo SA  
Use Of Small Animal Multi-modality Imaging For In Vivo Assessment Of Tendon-to-Bone Healing  
ORS, New Orleans, USA, Poster No. 1132
- March 2014 Ma R, **Schaer M**, Chen T, Sisto M, Voigt V, Ying L, Deng XH, Rodeo SA  
The Effect of Anterior Cruciate Ligament In Situ Graft Force on Graft-Tunnel Incorporation Following Reconstruction  
ORS, New Orleans, USA, Poster No. 1359



- Feb 2014      Ma R, Schaer M, Rodeo S  
Use of Human Placental-derived Adherent Stromal Cells Improves Healing in a Preclinical Model of Tendon Injury  
AAOS 2014, New Orleans, USA, Poster Nr. P459
- Nov 2013      **Schaer M**, Romero-Diaz J, Kohl S, Zumstein M, Nestic D  
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Day of Science, Inselspital, University of Bern, Switzerland 2013
- April 2013     **Schaer M**, Voelkle D, Zumstein MA, Mini O, Nyffeler R  
Bosworth Screw Fixation of Acute Instable Clavicular Fractures: Long-Term Results in 25 Patients  
ICSES, Nagoya, Japan, 2013  
Poster Nr: SPO-3-30
- April 2013     **Schaer M**, Zumstein MA, Schaer A, Hugues CH  
Mid-Term Outcome of a New Arthroscopic Transosseous Anchor Free Rotator Cuff Repair  
ICSES, Nagoya, Japan, 2013  
Poster Nr: SPO-5-11
- April 2013     **Schaer M**, Jenni S, Fessel G, Snedeker J, de Beer J, Scheibel M, Zumstein M  
Stabilization of the Acromioclavicular Joint Dislocation Using a Double-Tight-Rope Technique with Acromioclavicular Fiber-Tape Cerclage and a Bipodal Technique with Poly- and Fiber-Tape: Biomechanical Comparison of These Two Newly Developed Techniques  
ICSES, Nagoya, Japan, 2013  
Poster Nr: SPO-7-10
- Dec 2012      **Schaer M**, Zumstein MA, Schaer A, Hugues CH  
Mid-Term Outcome of a New Arthroscopic Transosseous Anchor Free Rotator Cuff Repair  
Lille, France, 2013
- Sept 2012     **Schaer M**, Voelkle D, Zumstein MA, Mini O, Nyffeler R  
*Bosworth screw fixation of acute instable clavicular fractures: Long-term results*  
SECEC-ESSE, Lyon, France, 2012. Poster Nr: 0243

## MEMBERSHIPS

- Jun 2022 – today    Swiss Orthopedics (Schweizerische Gesellschaft für Orthopädie)  
Vorstandsmitglied

Société Européenne pour la Chirurgie de l'Epaule et du Coude  
European Society for Surgery of the Shoulder and the Elbow  
Member

AGA - Gesellschaft für Arthroskopie und Gelenkchirurgie  
Member

GOTS, Gesellschaft für Orthopädisch-Traumatologische  
Sportmedizin  
Ordinary Member

2021 – today Berner Gesellschaft der Orthopädischen Chirurgen (BGO)  
Ordinary Member

### **JOURNAL REVIEWER**

The American Journal of Sports Medicine IF: 6.203, Ranking: 3/81

Journal of Shoulder and Elbow Surgery IF: 3.019, Ranking: 28/81

### **VORSITZE**

16. Mai 2019 Basic Science  
DVSE Jahreskongress 2019, St. Gallen

17. Sep 2017 Freie Vorträge Schulter: Bizeps  
Wambacher M, Schär MO.  
33. AGA Kongress, Basel, Schweiz, 17. Sept 2016

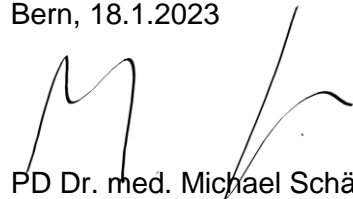
### **INSTRUKTOR**

Sept 2019 Instruktor Medacta Learning Center in Genf

Okt 2017 Schulterkurs München, Deutschland, 2.-4.10.2017

Feb 2017 Refixation Update 2017, Münster, Deutschland, 16.-1  
8.02.2017

Bern, 18.1.2023



PD Dr. med. Michael Schär