

Curriculum Vitae

Prof. Dr. med.

Claudio Rosso



c.rosso@arthro.ch

Mobile: + 41 76 571 09 78

PERSONAL DETAILS

Date of Birth: September 30, 1978

Place of Birth: Hamburg, Germany

Nationality: Switzerland (Basel), Italy (Venice) and Germany

Marital status: married

2 Daughters

Parents: Dr. rer. nat. Roswitha Omilian-Rosso, PhD, biologist and Silvio Rosso, merchant

EDUCATION AND POSTGRADUATE PROFESSIONAL EDUCATION

Medical Experience:

Since August 2021	President of Expert Group Shoulder and Elbow, Swiss Orthopaedics, member since 2015
Since December 2020	Professor of Orthopaedics at the University of Basel
Since May 2016	Medical Director ARTHRO Medics Ltd, #shoulder and elbow center, Basel, Switzerland
Since 2017	Board Examiner of Swiss Orthopaedics
Since May 2017	AGA Instructor (aga-online.de)
May 2016	Swiss Pain Medicine Diploma (SSIPM.ch)
May 2016-May 2018	Elbow Committee and Shoulder Scientific Committee ESSKA
Mar. 2015 – Apr. 2016	Head of Shoulder and Elbow Unit and Partner ALTIUS Swiss Sportmed Center
May 2015	Sports Medicine Diploma of the IOC (Internat. Olympic Committee)
Dec. 2014	Appointed Clinical Lecturer and Research Group Leader (Habilitation, PD Dr. med.) University of Basel, Switzerland
May- Dec. 2014	Head of Sports Orthopaedics and Sports Traumatology, University Hospital Basel
Since Sept. 2013	IOC-Diploma in Sports Medicine (Intern. Olympic Committee), 2y-program
Jan. – Dec. 2013	Clinical AGA-Shoulder Fellowship with Dr. Laurent Lafosse, Annecy, France
Aug. 2013	EFORT Clinical Visiting Fellowship with Prof. Jon JP Warner, MGH Shoulder Service
Jan. 2012 – Dec. 2014	Attending Surgeon (Consultant, Oberarzt) and Vice Head of Shoulder and Elbow Surgery at the University Hospital Basel, Switzerland
Aug. 2012	GOTS-Asia Travelling Fellow with 17 centers visited
Jan. 2012	Swiss Board-certified Orthopaedic and Trauma Surgeon by the Swiss Medical Association FMH
Jan. 2006 – Dec. 2011	Residency in Orthopaedic Surgery and Traumatology at the University Hospital Basel, Switzerland. Spine Surgery (Prof. Dr. med. B. Jeanneret), Pediatric Orthopaedic Surgery (Prof. Dr. med. Fritz Hefti), Emergency Room, General Surgery at the Canton`s Hospital Liestal (2006)
Sept. 2009- Dec. 2011	Postdoctoral Research Fellow Harvard Medical School, Center for Advanced Orthopaedic Studies, Beth Israel Medical Center (BIDMC), Boston, USA
Since July 2010	Deputy Chief Medical Swiss Karate Federation SKF
Jan. 2009	License of General Practitioner FMH
Since Nov. 2007	Head of outpatient clinic for Injuries in Martial Arts
Since Nov. 2005	Chief Medical and Tournament Physician of the Swiss Shotokan Karate-Do Federation
Feb. 2006	Doctorate at the University of Basel
1999 – 2005	Medical School, University of Basel, cum laude and Innsbruck, Austria

Didactic Abilities and Experience in Leadership:

Since 2018	Elected Member of the Faculty Meeting of the University of Basel, Switzerland
Since May 2018	Board Member European Shoulder Associates (ESA) of ESSKA
Since 2015	Co-Director of the Basel Elbow Course, since 2015
Since May 2016	CEO of ARTHRO Medics Ltd, #shoulder and elbow center, Basel, Switzerland
2014	Zimmer Leadership Excellence Program 2014
2013	Instructor (junior faculty) in 6 courses on arthroscopic Latarjet, instability surgery and rotator cuff surgery, Dr. Lafosse, Annecy, France
Sept 2011-Dec. 2018	Board member of the "Basisexamen Chirurgie" (General Surgery Exam)
Oct. 2010 – Nov. 2010	Lab Instructor and Tutor in Anatomy Harvard Medical School
Apr. 2003 – Sept. 2007	Lecturer in Principles of Medicine at the Woodtli Schools in Zürich, Switzerland
May 2006	Founder of the Swiss Shotokan Karate-Do Basel (SSKB), Vice Chief Instructor and President
Since Apr. 2005	Executive Committee of the Swiss Shotokan Karate-Do Federation

1985-1998:

July 1998	High School degree in Rheinfelden, Germany. Cum laude. Primary school in Biel-Benken, Switzerland School attendance 1988 - 1989 in Ney Jersey, U.S.A.
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AWARDS

- Excellence in Teaching Award Harvard Medical School 2010, Boston, MA, USA
- Poster Award Basic Science 2012: Deutscher Kongress für Orthopädie und Unfallchirurgie, October 2012
- Poster Award for Basic Science 2012, Swiss Society for Orthopaedic Surgery and Traumatology
- Award for paper with the "highest public interest" with: "Karate-Do- The Path of the Empty Hand" in: "Sportsortho-Sportstrauma" June 2013
- Sports Champion of Basel 2007 and 2008 as an award from the government of Basel, Switzerland
- High School Degree (Abitur) cum laude 1998
- Athlete of the year of the city of Rheinfelden, Germany 1993 and 1994
- Sports award from high school 1998
- Vice- World and European Champion Karate (W.S.K.-Federation)
- Twice German Vice Champion in Rowing

GRANTS AND FELLOWSHIPS

- AGA Shoulder Arthroscopy Fellowship 2013 at Dr. Laurent Lafosse
- EFORT Travelling Fellowship Prof. JP Warner, Boston, USA 2013
- SGOT Swiss Society for Orthopaedic Surgery and Traumatology - Individual Funding for the Shoulder Arthroscopy Fellowship 2013

- Freie Akademische Gesellschaft Basel – Shoulder Kinematics in an openMRI Setup - Project Funding 2012
- GOTS-Asia Fellowship 2012 – August/September 2012
- SGOT - Individual Research Fellowship 2010
- Lichtenstein-Foundation - Individual Research Fellowship 2010
- Swiss National Science Foundation (www.snf.ch) - Individual Fellowship 2009
- Swiss Accident Insurance Fund (www.suva.ch) – Multicenter Achilles Tendon Study - Project Grant 2009

QUALIFICATIONS

AGA Instructor (2017)

Swiss Pain Medicine Diploma SSIPM (2016)

Arthroscopist AGA (2013)

IACUC Working with Animals Training (2009)

Clinical Investigator Course of the University of Basel, Switzerland (2009)

ATLS Course (2007, 2012)

Basic Course in Sonography of the Abdomen (2006)

PUBLICATIONS AND RESEARCH FOCUS

Research Focus: Sports Related Injuries with a Focus on Shoulder Instability

Original Articles and Reviews (sorted chronologically)

1. **Rosso C**, Grezda K, Heuberer PR. Long head of the biceps intra-articular tenotomy using needle arthroscopy under local anesthesia: preliminary results and technical note. J Exp Orthop. 2022 Jul 22;9(1):70. doi: 10.1186/s40634-022-00508-5. PMID: 35867214; PMCID: PMC9307694.
2. Hohmann E, Glatt V, Tetsworth K; **Delphi Panel**. Subacromial Decompression in Patients With Shoulder Impingement With an Intact Rotator Cuff: An Expert Consensus Statement Using the Modified Delphi Technique Comparing North American to European Shoulder Surgeons. Arthroscopy. 2022 Apr;38(4):1051-1065. doi: 10.1016/j.arthro.2021.09.031. Epub 2021 Oct 14. PMID: 34655764.
3. Hurley ET, Matache BA, Wong I, Itoi E, Strauss EJ, Delaney RA, Neyton L, Athwal GS, Pauzenberger L, Mullett H, Jazrawi LM; **Anterior Shoulder Instability International Consensus Group**. Anterior Shoulder Instability Part I-Diagnosis, Nonoperative Management, and Bankart Repair-An International Consensus Statement. Arthroscopy. 2022 Feb;38(2):214-223.e7. doi: 10.1016/j.arthro.2021.07.022. Epub 2021 Jul 29. PMID: 34332055.

4. Hurley ET, Matache BA, Wong I, Itoi E, Strauss EJ, Delaney RA, Neyton L, Athwal GS, Pauzenberger L, Mullett H, Jazrawi LM; **Anterior Shoulder Instability International Consensus Group**. Anterior Shoulder Instability Part II-Latarjet, Remplissage, and Glenoid Bone-Grafting-An International Consensus Statement. *Arthroscopy*. 2022 Feb;38(2):224-233.e6. doi: 10.1016/j.arthro.2021.07.023. Epub 2021 Jul 29. PMID: 34332052.
5. Matache BA, Hurley ET, Wong I, Itoi E, Strauss EJ, Delaney RA, Neyton L, Athwal GS, Pauzenberger L, Mullett H, Jazrawi LM; **Anterior Shoulder Instability International Consensus Group**. Anterior Shoulder Instability Part III-Revision Surgery, Rehabilitation and Return to Play, and Clinical Follow-Up-An International Consensus Statement. *Arthroscopy*. 2022 Feb;38(2):234-242.e6. doi: 10.1016/j.arthro.2021.07.019. Epub 2021 Jul 29. PMID: 34332051.
6. Müller S, Schwenk T, de Wild M, Dimitriou D, **Rosso C**. Increased Construct Stiffness With Meniscal Repair Sutures and Devices Increases the Risk of Cheese-Wiring During Biomechanical Load-to-Failure Testing. *Orthop J Sports Med*. 2021 Jun 15;9(6):23259671211015674. doi: 10.1177/23259671211015674. PMID: 34189149; PMCID: PMC8209834.
7. Audigé L, Bucher HCC, Aghlmandi S, Stojanov T, Schwappach D, Hunziker S, Candrian C, Cunningham G, Durchholz H, Eid K, Flury M, Jost B, Lädermann A, Moor BK, Moroder P, **Rosso C**, Schär M, Scheibel M, Spormann C, Suter T, Wieser K, Zumstein M; ARCR_Pred Study Group, Müller AM. Swiss-wide multicentre evaluation and prediction of core outcomes in arthroscopic rotator cuff repair: protocol for the ARCR_Pred cohort study. *BMJ Open*. 2021 Apr 22;11(4):e045702. doi: 10.1136/bmjopen-2020-045702. PMID: 33888530; PMCID: PMC8070866.
8. **Rosso C**, Martetschläger F, Saccomanno MF, Voss A, Lacheta L; ESA DELPHI Consensus Panel, Beitzel K, Milano G. High degree of consensus achieved regarding diagnosis and treatment of acromioclavicular joint instability among ESA-ESSKA members. *Knee Surg Sports Traumatol Arthrosc*. 2021 Jul;29(7):2325-2332. doi: 10.1007/s00167-020-06286-w. Epub 2020 Sep 26. PMID: 32980887; PMCID: PMC8225517.
9. Cucchi D, Luceri F, Celli A, Menon A, Barco R, Wegmann K, Randelli P, Eygendaal D, Arrigoni P; **ESSKA Elbow and Wrist Committee 2016–2018**. Fracture Pattern Influences Radial Head Replacement Size Determination Among Experienced Elbow Surgeons. *Indian J Orthop*. 2020 Mar 18;54(5):539-547. doi: 10.1007/s43465-020-00039-0. PMID: 32843951; PMCID: PMC7429655.
10. Cucchi D, Arrigoni P, Luceri F, Menon A, Guerra E, Müller LP, Burger C, Eygendaal D, Wegmann K; **ESSKA Elbow and Wrist Committee 2016–2018**. Modified anteromedial and anterolateral elbow arthroscopy portals show superiority to standard portals in guiding arthroscopic radial head screw fixation. *Knee Surg Sports Traumatol Arthrosc*. 2019 Oct;27(10):3276-3283. doi: 10.1007/s00167-019-05411-8. Epub 2019 Mar 12. PMID: 30863912.
11. **Rosso C**, Vavken P. Komplikationsmanagement in der operativen Versorgung der glenohumeralen Schulterinstabilität; *Arthroscopie* 2020 . 33:162–170
12. **Rosso C**, Weber T, Dietschy A, de Wild M, Müller S. Three anchor concepts for rotator cuff repair in standardized physiological and osteoporotic bone: a biomechanical study. *J Shoulder Elbow Surg*. 2020 Feb;29(2):e52-e59.

13. Müller S, Flury, R, Zimmermann S, de Wild M, Fogerty S, Lafosse L, Bongiorno V, **Rosso C**; The new LassoLoop360° technique for biomechanically superior tissue grip. *Knee Surg Sports Traumatol Arthrosc.* 2019 Jun 28. doi: 10.1007/s00167-019-05604-1. [Epub ahead of print]
14. Cucchi D, Arrigoni P, Luceri F, Menon A, Guerra E, Müller LP, Burger C, Eygendaal D, Wegmann K; **ESSKA Elbow and Wrist Committee 2016–2018**. Modified anteromedial and anterolateral elbow arthroscopy portals show superiority to standard portals in guiding arthroscopic radial head screw fixation. *Knee Surg Sports Traumatol Arthrosc.* 2019 Mar 12. doi: 10.1007/s00167-019-05411-8. [Epub ahead of print]
15. Cucchi D, Guerra E, Luceri F, Lenich A, Nicoletti S, Randelli P, Wirtz DC, Eygendaal D, Arrigoni P; **ESSKA Elbow and Wrist Committee 2016–2018**. A combination of an anteromedial, anterolateral and midlateral portals is sufficient for 360° exposure of the radial head for arthroscopic fracture fixation. *Knee Surg Sports Traumatol Arthrosc.* 2019 Jan;27(1):319-325. doi: 10.1007/s00167-018-5077-1. Epub 2018 Aug 1.
16. Vavken P, **Rosso C**. Der schmerzende Ellbogen in der Praxis. *SWISS MEDICAL FORUM – SCHWEIZERISCHES MEDIZIN-FORUM* 2017;17(44):953–959
17. **Rosso C**, Nasr M, Walley KC, Harlow ER, Haghpanah B, Vaziri A, Ramappa A, Nazarian A, DeAngelis P. Glenohumeral Joint Kinematics following Clavicular Fracture and Repairs. *PLoS One.* 2017 Jan 6;12(1). PMID: 28060814
18. Vavken P, Sadoghi P, Palmer M, **Rosso C**, Mueller AM, Szoelloesy G, Valderrabano V. Platelet-Rich Plasma Reduces Retear Rates After Arthroscopic Repair of Small- and Medium-Sized Rotator Cuff Tears but Is Not Cost-Effective. *Am J Sports Med.* 2015 Mar 12. pii: 0363546515572777. [Epub ahead of print] PMID: 25767267.
19. **Rosso C**, Buckland DM, Polzer C, Sadoghi P, Schuh R, Weisskopf L, Vavken P, Valderrabano V. Long-term biomechanical outcomes after Achilles tendon ruptures. *Knee Surg Sports Traumatol Arthrosc.* 2015 Mar;23(3):890-8. PMID: 24162761.
20. M Buckland D, Sadoghi P, Wimmer MD, Vavken P, Pagenstert GI, Valderrabano V, **Rosso C**. Meta-analysis on biomechanical properties of meniscus repairs: are devices better than sutures? *Knee Surg Sports Traumatol Arthrosc.* 2015 Jan;23(1):83-9. PMID: 24841938.
21. **Rosso C.**, Cereatti, A. [shared first], Nazaria, A., DeAngelis, J.P., Ramappa, A.J., DellaCroce, U. (2015). Scapular Motion Tracking Using Acromion Skin Marker Cluster: In Vitro Accuracy Assessment. *Journal of Medical and Biological Engineering*, 35(1), 94-103.
22. **Rosso C.**, Mueller, A. M., McKenzie, B., Entezari, V., Cereatti, A., Della Croce, U., DeAngelis, J. P. (2014). Bulk effect of the deltoid muscle on the glenohumeral joint. *Journal of Experimental Orthopaedics*, 1(1), 14.
23. Szöllösy G, **Rosso C**, Fogerty S, Petkin K, Lafosse L. Subacromial spacer placement for protection of rotator cuff repair. *Arthrosc Tech.* 2014 Oct 6;3(5):e605-9. PMID: 25473615
24. Cereatti A, Calderone M, Buckland DM, Buettner A, Della Croce U, **Rosso C**. In vivo glenohumeral translation under anterior loading in an open-MRI set-up. *J Biomech.* 2014 Nov 28;47(15):3771-5. PMID: 25307436.

25. Mueller AM, **Rosso C**, Entezari V, McKenzie B, Hasebroock A, Cereatti A, Della Croce U, Nazarian A, Ramappa AJ, DeAngelis JP. The effect of supraspinatus tears on glenohumeral translations in passive pitching motion. *Am J Sports Med.* 2014 Oct;42(10):2455-62. PMID: 25201441
26. Dumont GD, Fogerty S, **Rosso C**, Lafosse L. The arthroscopic Latarjet procedure for anterior shoulder instability: 5-year minimum follow-up. *Am J Sports Med.* 2014 Nov;42(11):2560-6. PMID: 25117728.
27. **Rosso C**, Müller S, Buckland DM, Schwenk T, Zimmermann S, de Wild M, Valderrabano V. All-inside meniscal repair devices compared with their matched inside-out vertical mattress suture repair: introducing 10,000 and 100,000 loading cycles. *Am J Sports Med.* 2014 Sep;42(9):2226-33. PMID: 24966304.
28. **Rosso C**, Bongiorno V, Samitier G, Dumont GD, Szöllösy G, Lafosse L. Technical guide and tips on the all-arthroscopic Latarjet procedure. *Knee Surg Sports Traumatol Arthrosc.* 2014 May 10. [Epub ahead of print] PubMed PMID: 24817106.
29. Vavken P, Sadoghi P, Quidde J, Lucas R, Delaney R, Mueller AM, **Rosso C**, Valderrabano V. Immobilization in internal or external rotation does not change recurrence rates after traumatic anterior shoulder dislocation. *J Shoulder Elbow Surg.* 2014 Jan;23(1):13-9. PMID: 24090981.
30. **Claudio Rosso**, Sebastian Müller. Implants in treatment of meniscal tears and shoulder joint lesions- an overview. *European Cells and Materials* 27 (2014)
31. **Rosso C**, Gerometta A [shared first], Klouche S, Hardy P. Arthroscopic Bankart shoulder stabilization in athletes: return to sports and functional outcomes. *Knee Surg Sports Traumatol Arthrosc.* 2014 Apr 22. [Epub ahead of print] PubMed PMID: 24752535.
32. Luu AN, Anez-Bustillos L, Aran S, Araiza Arroyo FJ, Entezari V, **Rosso C**, Snyder BD, Nazarian A. Microstructural, densitometric and metabolic variations in bones from rats with normal or altered skeletal states. *PLoS One.* 2013 Dec 17;8(12):e82709. PMID: 24358219
33. Vo, A., Zhou, H., Dumont, G., Fogerty, S., & **Rosso, C.** (2013). Physical therapy and rehabilitation after rotator cuff repair: a review of current concepts. *Int J Phys Med Rehabil*, 1(142), 2.
34. **Rosso C**, Müller AM, Entezari V, Dow WA, McKenzie B, Stanton SK, Li D, Cereatti A, Ramappa AJ, DeAngelis JP, Nazarian A, Della Croce U. Preliminary evaluation of a robotic apparatus for the analysis of passive glenohumeral joint kinematics. *J Orthop Surg Res.* 2013 Jul 24;8:24 PMID: 23883431.
35. Vavken P, Sadoghi P, von Keudell A, **Rosso C**, Valderrabano V, Müller AM. Rates of radiolucency and loosening after total shoulder arthroplasty with pegged or keeled glenoid components. *J Bone Joint Surg Am.* 2013 Feb 6;95(3):215-21. PMID: 23389784.
36. **Rosso C**, Vavken P, Polzer C, Buckland DM, Studler U, Weisskopf L, Lottenbach M, Müller AM, Valderrabano V. Long-term outcomes of muscle volume and Achilles tendon length after Achilles tendon ruptures. *Knee Surg Sports Traumatol Arthrosc.* 2013 Jun;21(6):1369-77. PMID: 23370984.
37. Mueller AM, Entezari V, **Rosso C**, McKenzie B, Hasebroock A, Cereatti A, Della Croce U, Deangelis JP, Nazarian A, Ramappa AJ. The effect of simulated scapular winging on glenohumeral joint translations. *J Shoulder Elbow Surg.* 2013 Jul;22(7):986-92. PMID: 23313371.
38. **Rosso C**, Schuetz P, Polzer C, Weisskopf L, Studler U, Valderrabano V. Physiological Achilles tendon length and its relation to tibia length. *Clin J Sport Med.* 2012 Nov;22(6):483-7. PMID: 23011552.

39. Sadoghi P, **Rosso C**, Valderrabano V, Leithner A, Vavken P. The role of platelets in the treatment of Achilles tendon injuries. *J Orthop Res*. 2013 Jan;31(1):111-8. doi: 10.1002/jor.22199. Epub 2012 Aug 6. Review. Erratum in: *J Orthop Res*. 2013 Aug;31(8):1332. PMID: 22886696.
40. Calderone, M., Cereatti, A., **Rosso, C.**, Costantino, S., Conti, M., & Della Croce, U. (2013). Anatomical coordinate systems for high-resolution scapula and humerus models. *Gait & Posture*, (37), p24-S25.
41. **Rosso C**, Sadoghi P [shared first], Valderrabano V, Leithner A, Vavken P. Initial Achilles tendon repair strength--synthesized biomechanical data from 196 cadaver repairs. *Int Orthop*. 2012 Sep;36(9):1947-51. PMID: 22460821.
42. **Rosso C**, Kovtun K, Dow W, McKenzie B, Nazarian A, DeAngelis JP, Ramappa AJ. Comparison of all-inside meniscal repair devices with matched inside-out suture repair. *Am J Sports Med*. 2011 Dec;39(12):2634-9. PMID: 21997730.
43. Nazarian A, Araiza Arroyo FJ, **Rosso C**, Aran S, Snyder BD. Tensile properties of rat femoral bone as functions of bone volume fraction, apparent density and volumetric bone mineral density. *J Biomech*. 2011 Sep 2;44(13):2482-8. PMID: 21774935.
44. **C. Rosso**, Andreas Marc Müller, Vahid Entezari, William A. Dow, Brett McKenzie, Stacey Stanton, Daniel Li, Andrea Cereatti, Ugo Della Croce, Joseph P. DeAngelis, Ara Nazarian and Arun J. Ramappa. Preliminary Evaluation of a Robotic Apparatus for the Analysis of Passive Glenohumeral Joint Kinematics.. *Journal of Orthopaedic Surgery and Research*, July 15, 2013
45. M. Dieterich, H. Dieterich, H. Moch, **C. Rosso**. Re-excision Rates and Local Recurrence in Breast Cancer Patients Undergoing Breast Conserving Therapy. *Geburtsh Frauenheilk* 2012;72(11):1018-1023.
46. Entezari V, Trechsel BL, Dow WA, Stanton SK, **Rosso C**, Mueller AM, McKenzie B, Vartanians V, Cereatti A, Della Croce U, DeAngelis JP, Ramappa AJ, Nazarian A. Design and manufacture of a novel system to simulate the biomechanics of basic and pitching shoulder motion. *Bone Joint Res*. May 2012 1;1(5):78–85.

Review Articles with small or no Impact Factor (sorted chronically)

Abstracts/Posters:

1. **Stopped counting 2018**
2. ESSKA Conference 2018, Glasgow / AGA Conference 2018, Linz / SECEC Conference, Geneva: Biomechanical comparison of Three Anchors for Rotator Cuff Repair in Standardized Physiological and Osteoporotic Bone - introducing 1000 loading cycles: S. Müller, T. Weber, M. de Wild, **C.Rosso**
3. SECEC Conference 2015, Milan: Biomechanical Comparison between a New Lasso-Loop 360 and the Modified Double Lasso-Loop Technique for Arthroscopic Suprapectoral Biceps Tenodesis: **C. Rosso**, S. Müller, R. Flury, S. Zimmermann, M. De Wild, L. Lafosse, V. Bongiorno

4. SECEC Conference 2014, Istanbul: Arthroscopic Bankart in Athletes: Return to Sports and Functional Outcomes at 2 Years Mean Follow-Up: **Rosso C**, Gerometta A, Klouche S, Hardy P
5. AGA Conference 2014, Innsbruck, 3rd Poster Place: In-Vivo Glenohumeral Translation under External Loading in an Open-MRI Setup. Haeni D, Cereatti A, Jacsxens M, Calderone M, Buckland D, Büttner A, Della Croce U, Valderrabano V, Müller AM, **Rosso C**.
6. AGA Conference 2014, Innsbruck: Arthroscopic Bankart in Athletes: Return to Sports and Functional Outcomes at 2 Years Mean Follow-Up: **Rosso C**, Gerometta A, Klouche S, Hardy P
7. AGA Conference 2014, Innsbruck: Bulk Effect of the Deltoid Muscle on the Glenohumeral Joint in a Full Torso Cadaveric Model of the Throwing Shoulder. Rosso C., et al.
8. AGA Conference 2014, Innsbruck: All-inside Meniscal Repair Devices Compared with Their Matched Inside-Out Vertical Mattress Suture Repair: Introducing 10,000 and 100,000 Loading Cycles. Mueller S, Buckland D, Schwenk T, Zimmermann S, de Wild M, Valderrabano V, **Rosso C**.
9. GOTS Conference 2014, Munich: Arthroscopic Latarjet: Pearls and Pitfalls. **Rosso C**, Bongiorno V, Fogerty S, Boyle S, Lafosse L.
10. GOTS Conference 2014, Munich: Meta-Analysis on Biomechanical Properties of Meniscus Repairs: Which is better, sutures or devices? **Rosso C**, Wimmer MD, Buckland D, Sadoghi P, Vavken P, Pagenstert G, Valderrabano V.
11. SGOT Conference 2014, St. Gallen: Meta-Analysis on Biomechanical Properties of Meniscus Repairs: Which is better, sutures or devices? **Rosso C**, et al.
12. SGOT Conference 2014, St. Gallen: Glenohumeral Translations under External Loading in an Open-MRI Setup. Cereatti A, Calderone M, Buckland D, Büttner A, Della Croce U, Valderrabano V, Mueller AM, **Rosso C**.
13. ESSKA Conference 2014, Amsterdam: Bulk Effect of the Deltoid Muscle on the Glenohumeral Joint in a Full Torso Cadaveric Model of the Throwing Shoulder. Rosso C., et al.
14. ESSKA Conference 2014, Amsterdam: Preliminary Evaluation of a Robotic Apparatus for the Analysis of Passive Glenohumeral Joint Kinematics, Rosso C., et al.
15. AAOS 2014, New Orleans: Biomechanical Properties of Meniscus Repairs. Are Devices better than Sutures? A MetaAnalysis. **Rosso C**, Buckland DM, Sadoghi P, Wimmer MD, Vavken P, Valderrabano V
16. ISB (International Society of Biomechanics) Conference 2013, Brazil. Rated under top 10 international abstracts: In-vivo Glenohumeral Translation under External Loading in an open-MRI Setup. A. Cereatti, M. Calderone, D. Buckland, AM Müller, U. Della Croce, **C. Rosso**
17. AAOS 2013, Chicago: Swiss Multi-Center Achilles Tendon Rupture Trial: Calf Muscle Volume at 7.5 Years of Follow-Up. **Rosso C** et al. – alternate poster presentation
18. AAOS 2013, Chicago: Achilles Tendon Length and its Relation to Tibia Length. **Rosso C** et al. – alternate poster presentation
19. Poster Award Basic Science: Deutscher Kongress für Orthopädie und Unfallchirurgie, October 2012
Rosso C, et al. *Comparison of All-Inside Meniscal Repair Devices with Matched Inside-Out Suture Repair.*
20. Poster Deutscher Kongress für Orthopädie und Unfallchirurgie, October 2012:
Rosso C, et al. *Evaluation of a Robotic Apparatus for the Analysis of Passive Glenohumeral Joint Kinematics.*

21. Poster Award Basic Science: Swiss Orthopaedic Society Annual Meeting, Basel, July 2012.
Rosso C, et al. *Evaluation of a Robotic Apparatus for the Analysis of Passive Glenohumeral Joint Kinematics*.
22. AGA Yearly Meeting 2012: Klein M, Valderrabano V, **Rosso C**. *CRPS-ähnlicher Verlauf nach OSG Distorsion: Ein Case Report*
23. GOTS Yearly Meeting 2012: 3 Posters
 - a. **C. Rosso**, P. Schuetz, C. Polzer, L. Weisskopf, U. Studler, V. Valderrabano. *Physiological Achilles Tendon Length*.
 - b. **C. Rosso**, AM Mueller, B. McKenzie, V. Entezari, A. Ceratti, J. DeAngelis, V. Valderrabano, U. Della Croce, A. Ramappa, A. Nazarian. *The Role of the Deltoid Muscle in Basic and Pitching Shoulder Motions using a Cadaveric Model*.
 - c. **C. Rosso**, AM Mueller, W. Dow, B. McKenzie, V. Entezari, A. Cereatti, J. DeAngelis, V. Valderrabano, A. Ramappa, A. Nazarian, U. Della Croce. *Development of an Accurate Shoulder and Throwing Model – A Cadaveric Kinematic Study*.
24. Orthopaedic Research Society Meeting 2012: A. M. Mueller, **C. Rosso**, B. McKenzie, A. Cereatti, U. Della Croce, J. P. DeAngelis, A. J. Ramappa, A. Nazarian. *Validation and Implementation of a System to Simulate the Biomechanics of Basic and Pitching Shoulder Motion using a Cadaveric Model*.
25. Orthopaedic Research Society Meeting 2012: **C. Rosso**, K. Kovtun, W. Dow, B. McKenzie, A. Nazarian, J. P. DeAngelis, A. J. Ramappa. *Comparison of All-Inside Meniscal Repair Devices with Matched Inside-Out Suture Repair*.
26. Swiss Orthopaedic Society Annual Meeting, Lausanne, 2011: A. Nazarian, F. J. Araiza Arroyo, **C. Rosso**, S. Aran, B. D. Snyder. *Tensile Properties of Rat Bone as Functions of Bone Volume Fraction, Apparent Density and Volumetric Bone Mineral Density*.
27. Orthopaedic Research Society Meeting 2011: F. J. Araiza Arroyo, **C. Rosso**, A. Nazarian, B. D. Snyder. *Tensile Properties of Rat Bone as Functions of Bone Volume Fraction, Apparent Density and Micro-CT based Bone Mineral Density*.

Book Articles

1. **Claudio Rosso**, Patrick Vavken: Biological augmentation in rotator cuff repair: growth factors in: Massive and Irreparable Rotator Cuff Tears. Springer, Eds.: N. Gomes, L. Kovacic, F. Martetschläger, G. Milano. ISBN 978-3-662-61662-3,
2. **C. Rosso**, F. Martetschläger MA Zumstein: Rationale for indicating surgery in acute acromioclavicular joint dislocations in: ICL book ESSKA 2020
3. Holgersom N, **Rosso C**, Oh L: Sports Injuries in Throwing Athletes: Introduction; Zupanc O. et al. (2018) Sports Injuries in Throwing Athletes. In: Kerkhoffs G.M.M.J., Haddad F., Hirschmann M.T., Karlsson J., Seil R. (eds) ESSKA Instructional Course Lecture Book. Springer, Berlin, Heidelberg
4. Die Sehne, Kapitel 4 „Sehnenprobleme der Rotatorenmanschette“, A. M. Müller & **C. Rosso**, 2017, ISBN 978-3-11-042728-8

5. Sports Injuries to the Shoulder and Elbow. Chapter 20. Traumatic Anterior Shoulder Instability: Part II. Bony Bankart lesions: Small vs. Large Lesions. L. Lafosse, S. Fogerty, **C. Rosso**. Sports Injuries to the Shoulder and Elbow, Springer 2015, pp. 205-216.
6. Current Concepts in Achilles Tendinopathy. Chapter Biomechanics of the Achilles Tendon (English), p 25-34, DJO Publications, 2010, ISBN 978-0-9558873-2-1
7. Fuss und Sprunggelenk und Sport (Foot and Ankle and Sports) editors: V. Valderrabano, M. Engelhardt, H.-H. Küster]. Chapter Achilles tendon injuries. Chapter Martial Arts and chapter Beach Volleyball (German), ISBN 978-3-7691-1258-0

MAJOR ORAL PRESENTATIONS (ONLY NATIONAL AND INTERNATIONAL)

- | | |
|-------------------|--|
| Since 2015 | Major talks on elbow pathologies, instructor and co-director of the Basel Elbow Course |
| May 2022 | ATHENS Shoulder Course: Acute dislocations. Which are the keys for a successful treatment? |
| Aug 2022 | Munich International Shoulder and Elbow Course: <ul style="list-style-type: none"> - Arthroscopic SSC and Biceps - "Simple" elbow dislocation |
| Aug 2022 | AGA Conference Vienna: <ul style="list-style-type: none"> - Box Ring on Frozen Shoulder - AGA Expertensprechstunde |
| Aug 2022 | SECEC Conference Dublin. ICL: Arthroplasty for proximal humerus fracture |
| Apr 2022 | ESSKA Conference Paris: <ul style="list-style-type: none"> - Chairing 2 sessions - ICL: The valgus extension overload syndrome. Definition and treatment - ICL: How to manage failed Latarjet procedure - AC joint reconstruction; following the ESA ESSKA consensus |
| Sept 2021 | AGA Conference Innsbruck: Needle Arthroscopy |
| Apr 2021 | eRSA Online Course |
| Apr 2021 | ICL ESSKA Online Conference: Rationale for indication in acute acromioclavicular joint dislocations. |
| Apr 2021 | ICL ESSKA Online Conference: posterior shoulder instability |
| CoVid-19 Pandemic | |
| Apr 2020 | LIMA MedEd Online Meeting: Talk on stemless reverse shoulder replacement |
| Jan 2020 | ATHENS Shoulder Course: Considerations for AC joint injuries. Controversies and Consensus. |
| Nov 2019 | ESSKA Specialty Days, Madrid: 3 talks on shoulder: "biological augmentation in rotator cuff repair", "Biomechanical comparison of three anchor concepts", invited moderation on rotator cuff free presentations, lead of DELPHI procedure on AC joint instability |

- Sept 2019 AGA Conference Mannheim, invited lecture for an ICL on shoulder instability “Remplissage”
- July 2019 Dutch Elbow Society Meeting: Key Note Speaker, instructor and lecturer on elbow arthroscopy and arthroscopic arthrolysis
- June 2019 International Elbow Course Munich, ArthroLab: Instructor and talks on elbow arthroscopy and distal biceps
- June 2019 BESS (British Elbow and Shoulder Society): Two Masterclass debates on shoulder instability pro Latarjet
- May 2019 DVSE (German Association for Shoulder and Elbow Surgery): “My best and complex case in elbow surgery”
- Jan. 2019 Athens Shoulder Course: talk on Bankart repair in shoulder instability
- Oct. 2018 ESA-ESSKA Closed Meeting, Athens:
- Moderation on ACJ instability
 - Talk: **Rosso, C**: Imaging and classifications for ACJ pathologies: What makes sense for which pathology?
 - Talk: **Rosso, C**: Definition of the term "chronic" in ACJ instability: What do we know?
 - Lead consensus meeting: **Rosso C**, Beitzel K
- Sept. 2018 SECEC Conference, Geneva:
- Moderation on Shoulder Instability
 - Talk: **Rosso, C**: Shoulder and elbow injuries in martial arts – a Swiss perspective
 - Talk: **Rosso, C**: Stemless RSA: is it a reliable choice for primary?
- June 2018 Swiss Orthopaedics Conference, Montreux: Biomechanical comparison of Three Anchors for Rotator Cuff Repair in Standardized Physiological and Osteoporotic Bone—introducing 1000 loading cycles: Sebastian Müller, Timo Weber, Alain Dietschy, Michael de Wild, **Claudio Rosso**
- May 2018 ESSKA Conference Glasgow: several talks and moderations on shoulder and elbow pathologies
- June 2018 Swiss Orthopedics Conference Montreux: Biomechanical comparison of Three Anchors for Rotator Cuff Repair in Standardized Physiological and Osteoporotic Bone - introducing 1000 loading cycles: S. Müller, T. Weber, M. de Wild, **C.Rosso**
- May. 2016 AGA-Instructor Course Elbow and Shoulder Arthroscopy, Vienna
- Sept. 2014 AGA Conference 2014: Meta-Analysis on Biomechanical Properties of Meniscus Repairs: Which is better, sutures or devices? Wimmer MD, Buckland D, Sadoghi P, Vavken P, Valderrabano V, **Rosso C**
- June 2014 GOTS Conference 2014, Munich: Arthroscopic Bankart Shoulder Stabilization: Return to Play. **Rosso C**, Gerometta A, Klouche S, Hardy S.
- June 2014 Swiss Society of Orthopaedic Surgery and Traumatology Annual Meeting, St. Gallen, 2014:
- talk: Biomechanical testing of meniscal implants: Introducing 10k and 100k cycles

- 2 Posters
- June 2014 German Speaking Society of Orthopaedic-Traumatologic Sports Medicine GOTS
 - talk: 2 year follow-up after Bankart Repair – Return to Sports, speaker
 - 2 Posters
- May 2014 ESSKA Conference. Reviewer course. How can we improve our journal? An author`s and reviewer`s perspective. + 2 Posters
- May 2014 Keynote lecture [Meet the Expert] Implants. Passive implants in Orthopaedic Surgery, what can we improve?
- Mar. 2014 American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting 2014:
 1. The Arthroscopic Latarjet Procedure - An Update. **Rosso C**, Bongiorno V, Boyle S, Lafosse L (talk)
 2. Meta-Analysis on Biomechanical Properties of Meniscus Repairs. Are Devices better than Sutures? Alternate Poster presentation. **Rosso C.**, et al.
- Nov. 2013 Annecy Arthroscopic Arthroplasty Shoulder Academy (AAASA):
“Surgical Technique: from Simple to Complex Cuff Repairs”
- Sept. 2013 AAASA meeting: “The role of the suprascapular nerve in rotator cuff”
- Aug. 2013 International Society of Biomechanics Conference 2013:
 - In Vivo Glenohumeral Translation under External Loading in an Open-MRI Setup. Last Author, nominated for best international abstract in shoulder.
- Mar. 2013 AAOS Annual Meeting 2013:
 1. Physiological Achilles Tendon Length and its Relation to Tibia Length. Rosso C, et al. (see above, original article) (talk)
 2. Swiss Multi-Center Achilles Tendon Rupture Trial: Calf Muscle Volume at 7.5 Years Follow-Up. Rosso C, et al. (Alternate poster presentation)
- Feb. 2013 AAASA meeting 2013: “Le nerf suprascapulaire dans les rupture de la coiffe”. Talk in French
- Oct. 2012 Chair at the DKOU Conference: Tendon Transfers in Foot and Ankle Surgery
- Oct. 2012 Invited Speaker 2. Symposium Sportmedizin und Sporttraumatologie, Davos, Switzerland
- June 2012 Swiss Orthopaedic Society Annual Meeting, Basel, 2012. 3 Talks:
 1. „Physiological Achilles Tendon Length“
 2. „The Role of the Deltoid Muscle in Basic and Pitching Shoulder Motions using a Cadaveric Model“
 3. „SMART-Trial: Clinical and Radiological Outcomes after 7.5 of Follow-Up“
- June 2012 Invited Speaker GOTS Summer Meeting 2012, Salzburg, Austria
“Comparison of All-Inside Meniscal Repair Devices with Matched Inside-Out Suture Repair”
- Feb. 2012 American Academy of Orthopaedic Surgeons annual meeting 2012: Comparison of All-Inside Meniscal Repair Devices with Matched Inside-Out Suture Repair.
- Feb. 2012 „Pro-Exzentrik: Behandlung der Achillessehnentendinopathie“
- Sept. 2011 AGA Conference, Regensburg, Germany. „Comparison of all-inside meniscal repair devices with matched inside-out suture repair“

- Sept. 2011 GOTS Winter Meeting, Basel, Switzerland
„Typical Foot and Ankle Injuries in Sports“
 FAME Specialty Day (Forum für Advanced Medical Education), Basel, Switzerland
- Aug. 2011 *“Injuries in Martial Arts, Verletzungen bei Kampfsportarten”*
 GOTS Summer Meeting, Engelberg, Switzerland
- Jul. 2011 *“Comparison of All-Inside Meniscal Repair Devices with Matched Inside-Out Suture Repair”*
 Swiss Orthopaedic Society, Annual Meeting, Lausanne, Switzerland
- Jul. 2011 *“Implementation and Validation of a System to Simulate the Biomechanics of Basic and Pitching Shoulder Motion using a Cadaveric Model”*
 Swiss Orthopaedic Society, Annual Meeting, Lausanne, Switzerland
- Jun. 2011 *“Comparison of All-Inside Meniscal Repair Devices with Matched Inside-Out Suture Repair”*
 Society for Orthopaedic Traumatologic Sports Medicine (GOTS) Annual Meeting, Munich, Germany
- Dec. 2010 *“Advances in the Development of an Accurate Throwing Model”*
 Center for Advanced Orthopaedic Studies, Harvard Medical School, Boston, USA
- Feb. 2010 *“The Development of an Accurate Throwing Model”*
 New England Shoulder and Elbow Society Meeting Yearly Conference, Jay Peak, USA
- Jan. 2010 *“Shoulder Biomechanics”*
 Center for Advanced Orthopaedic Studies, Harvard Medical School, Boston, USA
- June 2009 GOTS Annual Meeting, Munich, Germany:
“Injuries in Martial Arts”
“Tendon problems around the hip”
- April 2008 *“Sports Injuries”*
 SILAMED, Zurich, Switzerland
- Sept. 2007 *“Margins in Oncoplastic Operations”*
 Expert Meeting on breast surgery, Germany
- June 2006 *“Margins in Oncoplastic Mamma Surgery”*
 Swiss Gynecologist Congress, Switzerland
- Sept. 2004 *“Role of the Pathologist in Oncoplastic Operations”*
 German Gynecologist Conference, Co-speaker: Prof. H. Moch

LINGUISTIC KNOWLEDGE

German: very good oral and written knowledge

English: very good oral and written knowledge

Italian: very good oral and written knowledge

French: good oral and good written knowledge (1 year fellowship in France)

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MEMBERSHIPS / EDITORIAL BOARDS / REVIEWER

Swiss Orthopaedics (www.swissorthopaedics.ch), Full member

- President of Shoulder and Elbow Expert Group since 2021, member since 2015

- Board Examiner since 2017

European Society for Surgery of the Shoulder and Elbow [SECEC](http://secec.org) (secec.org), Ordinary member

European Society of Sports Traumatology , Knee Surgery and Arthroscopy ESSKA (www.esska.org)

- Elbow Committee 2016-2018

- ESA (European Shoulder Associates) Board Member since 2018

German Speaking Society for Arthroscopy [AGA](http://aga-online.de) ([www.aga-online.de](http://aga-online.de))

German society of Shoulder and Elbow Surgery DVSE (dvse.info)

Society for Orthopaedic Traumatologic Sports Medicine [GOTS](http://www.gots.org) (www.gots.org)

Associate Member Orthopaedic Research Society (www.ors.org)

Swiss Medical Association [FMH](http://www.fmh.ch) (www.fmh.ch)

Swiss Association for Residents and Attending Physicians [VSAO](http://www.vsao.ch) (www.vsao.ch)

Alumni University of Basel, Switzerland

Swiss Shotokan Karate-Do Federation [SSKF](http://www.karate-sskf.ch) (www.karate-sskf.ch)

Swiss Shotokan Karate-Do Basel [SSKB](http://www.shotokanschweiz.ch) (www.shotokanschweiz.ch)

Editorial Board for KSSTA (Knee Surgery, Sports Traumatology, Arthroscopy) since 2013, IF 2.9

Reviewer for American Journal of Sports Medicine, since May 2014, IF 4.4

Reviewer for Journal of Orthopaedic Research, 2012-2020, IF 2.8

HOBBIES

Karate – the way of the empty hand - as a sport and a way of living

- Black belt (3. Dan)
- Vice-World champion and Vice-European Champion W.S.K.-Federation (2007- 2010)
- Co-Founder of the Swiss Shotokan Karate-Do Federation (SSKF)
- Founder and Vice Chief Instructor Swiss Shotokan Karate-Do Basel (SSKB)

Rowing

- Twice German Vice-Champion in Skiff (Single) (1996 and 1994)

Diving: SSI Advanced Open Water Diver

REFERENCES

Many, depending on the field.

Upon request.