



# Dr. Med. Gregory CUNNINGHAM

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- **Date and place of birth:** 01.01.1985, Bath (United Kingdom)
- **Nationalities:** Swiss, Australian
- **Languages:** *English, French:* mother tongues. *German:* spoken.

## UNIVERSITY EDUCATION

- Faculty of Medicine, University of Geneva (UNIGE), Switzerland (2004-2010): Federal Diploma of Medicine (2010)

## CURRENT AND PAST POSITIONS

- **Orthopaedic and Trauma surgeon specialized in Shoulder and Elbow**, private practice at Centre de l'Epaule, Geneva, Switzerland (Since 2017)
- **Consultant**, Shoulder and Elbow Team, Division of Orthopaedic and Trauma Surgery, Geneva University Hospitals, Switzerland (Since 2017)
- **Consultant**, Division of Orthopaedic and Trauma Surgery, Hopitale Neuchâtelois, Switzerland (Since 2019)
- **Chef de Clinique**, Division of Orthopaedic and Trauma Surgery, Geneva University Hospitals, Switzerland (2013-2017), **Shoulder and Elbow Team Leader** (2013-2014)
- **Médecin interne (resident)**, Division of Orthopaedic and Trauma Surgery, Geneva University Hospitals, Switzerland (2010-2013)

## SCIENTIFIC FELLOWSHIP

- 1-year AOA certified Fellowship with the **Sydney Shoulder Research Institute**, Australia (2015-2016).  
Mentors: Prof. D. SONNABEND, Dr A. YOUNG, Dr B. CASS, Dr J. HUGHES

## MD THESIS

- The cerebral origin of apprehension in gleno-humeral instability (*University of Geneva, 2015*)

## SPECIALIST EXAM

- Swiss National Board Examination in Orthopaedic and Trauma Surgery (FMH) (2015)
  - Score: MCQ: 90%, Oral: 92% for clinical cases discussion, 85% for dissection

## SOCIETIES AND AFFILIATIONS

- European Society for Shoulder and Elbow Surgery (SECEC/ESSSE)
  - Member of the Education Committee
- Swiss Society of Orthopaedics and Traumatology (Swiss Orthopaedics)
  - Member of the Shoulder and Elbow Expert Group
- Shoulder and Elbow Society of Australia (SESA)
- Geneva Society of Orthopaedic Surgery (SGCO)
- Geneva Medical Association (AMG)
- Swiss Medical Association (FMH)

## SCIENTIFIC PUBLICATIONS

### MEDLINE INDEXED

1. Valsamis EM, Kany J, Bonneville N, Castricini R, Lädermann A, **Cunningham G**, et al. The Arthroscopic Latarjet: A Multi-Surgeon Learning Curve Analysis. *JSES* 2019 (accepted Oct 2019)
2. Lädermann A, Chih-Hao J, **Cunningham G**, et al. Neck Shaft Angle after Reverse Shoulder Arthroplasty. *OTSR* (accepted Dec 2019)
3. Taha ME, Schneider K, Clarke EC, O'Briain DE, Smith MM, **Cunningham G**, Cass B, Young AA. A biomechanical comparison of different suture materials commonly used for arthroscopic shoulder procedures. *Arthroscopy*. 2019 Nov 11. Epub ahead of print.
4. **Cunningham G**, Freebody J, Smith MM, Taha ME, Young AA, Cass B, Giuffre B. Comparative analysis of two glenoid version measurement methods in variable axial slices on 3D-reconstructed CT scans. 2018 May 16. pii: S1058-2746(18)30225-8. 2018 Apr 24. pii: S1058-2746(18)30157-5.
5. **Cunningham G**, Paulin-Nicodème E, Smith MM, Holzer N, Cass B, Young AA. The greater tuberosity angle: a new predictor for rotator cuff tear. *J Shoulder Elbow Surg*. 2018 Apr 24.
6. Lädermann A, Tirefort J, Zanchi D, Haller S, Charbonnier C, Hoffmeyer P, **Cunningham G**. Shoulder apprehension: a multifactorial approach. *EFORT Open Reviews*. 2018 Oct 24;3:550-557
7. Lädermann A, **Cunningham G**, Chagué S, Charbonnier C. Sexual Activities as Risk Factors of Rotator Cuff Lesions: A Prospective Cohort Study. *Sex Disabil*. 2018;36(4):305-311.
8. Öztürk M, **Cunningham G**, Holzer N. Management of a first-time dislocation in the athlete. *Rev Med Suisse*. 2018 Jul 11;14(613):1326-1331.
9. Vieira D, **Cunningham G**. Distal humerus fractures in the elderly: osteosynthesis or elbow arthroplasty ? *Rev Med Suisse*. 2017 Dec 13;13(587):2177-2183
10. Tirefort J, **Cunningham G**, Lädermann A. Reverse Fosbury Flop Tear of the Rotator Cuff. *Case Rep Orthop*. 2017;2017:3635897
11. Gamulin A, Lübbecke A, Belinga P, Hoffmeyer P, Perneger T, Zingg M, **Cunningham G**. Clinical and Radiographic Predictors of Acute Compartment Syndrome in Tibial Plateau Fractures: a Retrospective Cohort Study. *BMC Musculoskelet Disord*. 2017 Jul 18;18(1):307.
12. **Cunningham G**, Lädermann A. Redefining anterior shoulder impingement: a literature review. *Int Orthop*. 2018 Feb;42(2):359-366
13. Zanchi D, **Cunningham G**, et Al. Brain activity in the right-frontal pole and lateral occipital cortex predicts successful post-operative outcome after surgery for anterior glenohumeral instability. *Nature Sci Rep*. 2017 Mar 29;7(1):498.
14. Zanchi D, **Cunningham G**, Lädermann A, Oztürk M, Hoffmeyer P, Haller S. Structural white matter alterations in patients with shoulder apprehension. *Nature Sci Rep*. 2017 Feb 8;7:42327.
15. **Cunningham G**, Benchouk S, Kherad O, Lädermann A. Comparison of arthroscopic and open Latarjet with a learning curve analysis. *Knee Surg Sports Traumatol Arthrosc*. 2016 Feb;24(2):540–5.
16. Lädermann A, Denard PJ, Chagué S, **Cunningham G**, Charbonnier C. Does surgery for instability of the shoulder truly stabilize the glenohumeral joint?: A prospective comparative cohort study. *Medicine (Baltimore)*. 2016 Aug;95(31):e4369.
17. **Cunningham G**, Zanchi D, Emmert K, Kopel R, Van De Ville D, Lädermann A, et al. Neural Correlates of Clinical Scores in Patients with Anterior Shoulder Apprehension. *Med Sci Sports Exerc*. 2015 Dec;47(12):2612–20.
18. **Cunningham G**, Lädermann A, Denard PJ, Kherad O, Burkhart SS. Correlation Between American Shoulder and Elbow Surgeons and Single Assessment Numerical Evaluation Score After Rotator Cuff or SLAP Repair. *Arthroscopy*. 2015 Sep;31(9):1688–92.
19. Öztürk M, **Cunningham G**, Holzer N, Hoffmeyer P. Shoulder arthroplasty: the situation in 2014. *Rev Med Suisse*. 2014 Dec 17;10(455):2398–402.
20. Lädermann A, Stimec BV, Denard PJ, **Cunningham G**, Collin P, Fasel JHD. Injury to the axillary nerve after reverse shoulder arthroplasty: an anatomical study. *Orthop Traumatol Surg Res*. 2014 Feb;100(1):105–8.
21. Haller S, **Cunningham G**, Lädermann A, Hofmeister J, Van De Ville D, Lovblad K-O, et al. Shoulder apprehension impacts large-scale functional brain networks. *AJNR Am J Neuroradiol*. 2014 Apr;35(4):691–7.
22. **Cunningham G**, Seghrouchni K, Ruffieux E, Vaudaux P, Gayet-Ageron A, Cherkaoui A, et al. Gram and acridine orange staining for diagnosis of septic arthritis in different patient populations. *Int Orthop*. 2014 Jun;38(6):1283–90.

23. Lädermann A, Lubbeke A, Stern R, **Cunningham G**, Bellotti V, Gazielly DF. Risk factors for dislocation arthropathy after Latarjet procedure: a long-term study. *IntOrthop*. 2013 Jun;37(6):1093–8.
24. Holzer N, **Cunningham G**, Duthon V, Graf V, Ziltener J-L, Hoffmeyer P. Rehabilitation after rotator cuff repair: developments and recommendations. *Rev Med Suisse*. 2013 Dec 18;9(411):2376–9.
25. **Cunningham G**, Lädermann A, Guerne P-A. Large paralabral cyst in the axilla. *Joint Bone Spine*. 2012 Dec;79(6):627.
26. **Cunningham G**, Hoffmeyer P. Posterior dislocation of the shoulder, challenges in diagnosis and management. *Rev Med Suisse*. 2011 Dec 21;7(322):2489–93.

## OTHER PUBLICATIONS

1. Kruse L, Falconer T, Dimmick S, Balestro JC, **Cunningham G**, Cass B, Young AA. Early Sling Discontinuation Following Rotator Cuff Repair. *Techniques in Shoulder & Elbow Surgery*. 2018 Sep;19(3):106-110.
2. **Cunningham G**, Lädermann A. Subscapularis Management in Reverse Shoulder Arthroplasty. *Leading Opinions*. 2018.
3. Uckay I, Agostinho A, Landelle C, Coppens E, **Cunningham G**, Pittet D. Incidence of Propionibacterium acnes infection in orthopedic and trauma surgery. *Antimicrob Resist Infect Control*. 2015 Jun 16;4(Suppl 1):O28.
4. **Cunningham G**, Lädermann A, Haller S, Hoffmeyer P. L'apprehension dans l'instabilité gléno-humérale. *Forum Med Suisse* 2015;15(03):55-57
5. Holzer N, **Cunningham G**, Lädermann A, Gazielly D. Latarjet-Patte Triple-locking Procedure for Recurrent Anterior Instability. *Techniques in Shoulder & Elbow Surgery*. 2013 Sep;14(3):63–8.
6. **Cunningham G**, Lädermann A, Peter R. Advantages of the Junbluth Forceps in Open Reduction Internal Fixation of Glenoid Fractures: A Report of 1 Case. *Techniques in Orthopaedics*. 2012 Dec;27(4):269–74.
7. **Cunningham G**, Lädermann A. Tendon of the Long Head of The Biceps Brachii: Tenotomy versus Tenodesis? *Leading Opinions*. 2011;2:16–8.

## SCIENTIFIC PRESENTATIONS

### INTERNATIONAL PODIUM PRESENTATIONS

- EUSSER 2019 (Den Bosch): Shoulder apprehension, is it really instability? *Keynote plenary speaker*
- ICSES 2019 (Buenos Aires): Shoulder apprehension, is it in the brain ? *guest speaker*
- ESSR 2019 (Geneva): Shoulder Instability Symposium, *invited organiser, moderator, and speaker*
- SESA 2018 (Perth): The Greater Tuberosity Angle: A New Predictor for Rotator Cuff Tear
- SESA 2018 (Perth): Correlation analysis of the Vault and Friedman's angle
- SICOT 2018 (Montreal): Examination of the Instability Patient, *guest speaker*
- EUSSER 2018 (Geneva): Surgical Solutions for the Degenerative Gleno-Humeral Joint, *guest speaker*
- BESS 2017 (Coventry): The Origins of Shoulder Apprehension, *guest speaker*
- EFORT 2017 (Vienna): Are Pendular Shoulder Exercises Worthwhile?
- EFORT 2017 (Vienna): The Greater Tuberosity Angle: A New Predictor for Rotator Cuff Tear
- AAOS 2017 (San Diego): Are Codman Pendulum Exercises Worthwhile, *nominated for Global Perspective Award Session*
- Royal North Shore Shoulder Symposium 2016 (Sydney): Electricity in the shoulder
- Royal North Shore Shoulder Symposium 2015 (Sydney): Role of component version in reverse shoulder arthroplasty
- SECEC 2014 (Istanbul): Is apprehension in the Brain?
- EFORT 2014 (London): Is apprehension in the Brain?
- AOSSMTF 2014 (Geneva): The cerebral origin of shoulder apprehension.

### NATIONAL/REGIONAL PODIUM PRESENTATIONS

- Congrès Médical 2019 (Lausanne): The greater tuberosity angle, *guest speaker, moderator*
- OTC Basic Nailing and External Fixation Course 2019 (Thun): humerus fracture, *guest speaker*

- Symposium autour des pathologies de l'épaule 2019 (Geneva) : Quoi de neuf en chirurgie de l'épaule ? *organiser, moderator, and speaker*
- Réseau Romand de Formation Post-graduée MPR : Journée de l'épaule 2019 (Geneva) : L'appréhension dans l'instabilité glénohumérale, *guest speaker*
- Le Cyborg face au Handicap, EPFL/UNIL international conference 2019 (Yverdon) : la cyborgisation du patient et du chirurgien, *guest speaker*
- SSOT 2017 (St Gallen): The Greater Tuberosity Angle
- Physiogène Scientific Day 2017 (Geneva): L'appréhension dans l'instabilité glénohumérale, *guest speaker*
- Journée Romande de Rééducation de l'Épaule 2015 (Geneva): The frozen shoulder
- Atelier Rééducation de l'Épaule 2014 (Geneva): The frozen shoulder
- Journée Romande de l'Orthopédie 2014 (Geneva): Total elbow replacement for distal humerus fracture.
- HUG Innovation Day 2013: Le substrat neurologique de l'appréhension.
- SSOT 2013 (Lausanne): Value of GRAM and Acridine staining in predilection of septic arthritis.
- SSOT 2013 (Lausanne): Correlation between ASES and SANE scores in RC and SLAP repair.
- Mains Libres symposium 2012 (Lausanne): Luxations postérieures de l'épaule, *invited speaker*

## **POSTERS (NATIONAL AND INTERNATIONAL)**

- AAOS 2019 (Las Vegas): The Greater Tuberosity Angle: a new predictive marker for rotator cuff tear
- ESSR 2019 (Geneva): Shoulder stabilization technique using the medial glenohumeral ligament in patients with Buford complex: a report on three cases.
- SSOT 2018 (Montreux): Shoulder stabilization technique using the medial glenohumeral ligament in patients with Buford complex: a report on three cases.
- SECEC 2017 (Berlin): Are Pendular Shoulder Exercises Worthwhile?
- SECEC 2017 (Berlin): Correlation analysis of the Vault and Friedman's angle
- SECEC 2017 (Berlin): The Greater Tuberosity Angle: a new predictive marker for rotator cuff tear
- SSOT 2017 (St Gallen): Correlation analysis of the Vault and Friedman's angle
- SSOT 2017 (St Gallen): Are Pendular Shoulder Exercises Worthwhile?
- EFORT 2017 (Vienna): Correlation analysis of the Vault and Friedman's angle, selected for presentation
- SSOT 2015 (Lausanne): Selective supraspinatus atrophy due to suprascapular nerve compression
- AAOS 2014 (New Orleans): Correlation between ASES and SANE score after rotator cuff or SLAP repair, selected for presentation
- SECEC 2012 (Dubrovnik): Injury to the Axillary Nerve After Reverse Shoulder Arthroplasty: An Anatomic Study
- SSOT 2012 (Basel): Injury to the Axillary Nerve After Reverse Shoulder Arthroplasty: An Anatomic Study
- SSOT 2011 (Lausanne): Supraspinatus rupture at the myotendinous junction : an unrecognized phenomenon
- SSOT 2011 (Lausanne): Injury of the suprascapular nerve during Latarjet procedure
- SSOT 2011 (Lausanne): Arthroscopic management of sequelae of proximal humerus fractures.