

MARC-OLIVIER GAUCI

MD, PhD, HDR



Born on the 20th of February 1986 in Nice
French
Married, 2 child (2019, 2023)
RPPS: 10100814382

Position:

Hospital practitioner, (Orthopaedic surgery), IULS, CHU of Nice
Head of the Shoulder Unit
President of the French Computer Assisted Orthopedic Society (CAOS-France)
Research referent for the IULS
Head of the ICARE research unit, IBV (INSERM/University Côte d'Azur)
Coordinator of the [FHU Plan & Go](#) (2023-2027)
Scientific Referent Health Data Warehouse project (PACA region)
Member of the Steering Committee of the Academic DMH (Hôtel Dieu, Paris)

MEDICAL CURRICULUM

2016 – 2019: Chief Assistant, Orthopedic surgery, IULS, CHU of Nice (Pr Pascal Boileau)
2018: Fellowship. Florida Orthopaedic Insitute (Tampa, University of South Florida, Mark Frankle MD)
2016: Specialist Assistant, Orthopedic surgery, Hôpital de Cannes (Dr J. Tabutin)
2015 (6 months): Hôpital Lapeyronie, Upper Limb surgery, Pr Michel Chammas
2015 (6 months): Centre Orthopédique Santy, Lyon, France, Dr Gilles Walch
2010 – 2015: Residency, CHU de Nice (Pr Pascal Boileau)

Octobre, 10th, 2014: **Medical Thesis** → Results of Reverse Shoulder Arthroplasty with l'Episcopo Transfer
2017-2018: DIU of Pedagogy and Simulation
2014 – 2016: DIU of Hand Surgery (Paris)
2013 – 2014: DIU of Microsurgery (Marseille)
2012 – 2013: DIU of Arthroscopy (SFA)
2011 – 2012: DIU of Knee Surgical Pathology (Lyon)
2010 – 2011: DIU of Sport Practice and Surgical Pathology
2010: Examen Classant National (ECN) - Concours de l'Internat, Laureate

September – October 2007: Medical Student in Beth Israël Deaconess Medical Center, **Harvard University**
→ Emergency Department (R. Wolfe, MD-PhD)

SCIENTIFIC CURRICULUM

2022 (3 months): Training course, Digital Medical Hub, Paris (Pr Marie-Pia d'Ortho)
2021 (3 months): Training course, INRIA, Epione, Sophia (Nicholas Ayache)

2016 – 2019 **PhD** (11th December 2019): The Digitized Shoulder. 3D classification of arthritic glenoid to improve computer assisted planification. LATIM, INSERM U1101, Brest

2013 – 2015: **Master 2's Degree**, BioMedical Engineering, BioMechanic section, Ecole Nationale Supérieure des Arts et Métiers, University of Paris-Descartes

Patient-specific glenoid guides provide accuracy and reproducibility in total shoulder arthroplasty

2010: **Master 1 's Degree**

2005 – 2006: UE Physiology and Integrated System Biology

2004 – 2005: UE Molecular Biology and Cellular Communication Regulation (Pr Poirée)

2004 – 2005: Ecole de l'INSERM Formation (Year 2005, J.-C. Chottard)

Software development:

- IODA: automatic measurement of glenoid and humeral bone loss in shoulder instability
- Glenosys: planning for arthroplasty surgery

- CJO App': patient following and data collections
- AbysMedical, LaRochele: Mixed Reality and cloud computing platform, remote assistance, planning

DISTINCTIONS

- Award Innovation days EIT Health, Insitut 3IA, (artificial intelligence) 2020
- French Orthopaedic and Traumatology Surgery College Medal 2018
- Price of the Université Côte d'Azur 2017
- Price of the French Academy of Surgery (Labex Cami), Computer Assisted Surgery, 2016
- Gold Medal of University Hospital Center of Nice, Surgeon field, October 2015
- Best Communication Prize, SOFCOT 2014

SUPERVISION

Scientific Thesis direction (ICARE):

- Rémy Winter (2022 – 2024): forearm model for osteotomia guidance & distal radius fracture management
- Dr Alexandre Caubere (Toulon) (2022 – 2025): smart shoulder reverse arthroplasty (connected implant)
- Dr Alina Badina (Necker, Paris) (2023 – 2026): guided pelvic osteotomia in children hip dysplasia
- Marie Arminio (2023-2026): Assessment of mental load, situation awareness, and acceptability in augmented surgery
- Samy Ferra (2023-2026): Automatic generation of 3D humeral fracture models for preoperative planning and intraoperative assistance in mixed reality (Inserm-INRIA PhD "Digital health" grant)

Master of Science (ICARE):

- Dr Bernard de Geoffroy (April 2023): arthro CT-scan segmentation of painful and unstable shoulders to detect predisposing morphometric parameters to subluxating shoulder arthritis
- Dr Adil Douiri (November 2024): Construction of a database and automatic segmentation of the pelvis using Deep Learning (Abys Medical collaboration)
- Marie Arminio (April 2023): Evaluation of mental load and distraction when using a Mixed Reality surgery assistance application.
- Sonya Ndomkeu (April 2023): Construction d'une base de données et segmentation automatique d'avant-bras par Deep Learning (collaboration (Newclip collaboration))

BIBLIOGRAPHY (58 indexed articles, h-index = 20, Citations = 1760)

- Berhouet J, Samargandi R, Favard L, Turbillon C, Jacquot A, **Gauci MO**. The Real Post-Operative Range of Motion Differs from the Virtual Pre-Operative Planned Range of Motion in Reverse Shoulder Arthroplasty. *Journal of Personalized Medicine* 13, n° 5 (May 2023): 765. <https://doi.org/10.3390/jpm13050765>.
- **Gauci MO**, Olmos M, Cointat C, Chammas PE, Urvoy M, Murienne A, Bronsard N, Gonzalez JF. Validation of the Shoulder Range of Motion Software for Measurement of Shoulder Ranges of Motion in Consultation: Coupling a Red/Green/Blue-Depth Video Camera to Artificial Intelligence. *International Orthopaedics*, 27 décembre 2022. <https://doi.org/10.1007/s00264-022-05675-9>.
- **Gauci MO**, Jacquot A, Boux de Casson F, Deransart P, Letissier H, Berhouet J. Glenoid Inclination: Choosing the Transverse Axis Is Critical—A 3D Automated versus Manually Measured Study. *Journal of Clinical Medicine* 11, n° 20 (13 octobre 2022): 6050. <https://doi.org/10.3390/jcm11206050>.
- **Gauci MO**, Chaoui J, Berhouet J, Jacquot A, Walch G, Boileau P. Can Surgeons Optimize Range of Motion and Reduce Scapulohumeral Impingements in Reverse Shoulder Arthroplasty? A Computational Study. *Shoulder & Elbow* 14, n° 4 (août 2022): 385-94. <https://doi.org/10.1177/1758573221994141>.
- Chelli M, Gasbarro G, Lavoué V, **Gauci MO**, Raynier JL, Trojani C, Boileau P. The Reliability of the Neer Classification for Proximal Humerus Fractures: A Survey of Orthopedic Shoulder Surgeons. *JSES International* 6, n° 3 (mai 2022): 331-37. <https://doi.org/10.1016/j.jseint.2022.02.006>.
- Collotte P, **Gauci MO**, Dutra Vieira T, Walch G. Bony Increased-Offset Reverse Total Shoulder Arthroplasty (BIO-RSA) Associated with an Eccentric Glenosphere and an Onlay 135° Humeral Component: Clinical and Radiological Outcomes at a Minimum 2-Year Follow-Up. *JSES International* 6, n° 3 (mai 2022): 434-41. <https://doi.org/10.1016/j.jseint.2021.12.008>.
- Courdurié A, Lotte R, Ruimy R, Cauhape V, Carles M, **Gauci MO**, Boileau P, Courjon J. Clindamycin Efficacy for Cutibacterium Acnes Shoulder Device-Related Infections. *Antibiotics (Basel, Switzerland)* 11, n° 5 (30 avril 2022): 608. <https://doi.org/10.3390/antibiotics11050608>.
- Assouto C, Bertonecelli CM, **Gauci MO**, Monticone M, Bagui S, Rampal V, Solla F. Congenital Pseudarthrosis of the Clavicle: A Systematic Review. *International Orthopaedics*, 15 juin 2022. <https://doi.org/10.1007/s00264-022-05470-6>.
- Berhouet J, Jacquot A, Walch G, Deransart P, Favard L, **Gauci MO**. The Arm Change Position: Additional Information for Optimizing Range of Motion after Reverse Shoulder Arthroplasty. *Orthopaedics & Traumatology: Surgery & Research*, 12 février 2022, 103246. <https://doi.org/10.1016/j.otsr.2022.103246>.
- **Gauci MO**, Diaz MA, Christmas KN, Simon P, Frankle MA. Do Preoperative Factors and Implant Design Features Influence Humeral Stem Extraction Efforts? *JSES*, 24 janvier 2022, S1058-2746(22)00154-9.
- **Gauci MO**. Patient-specific guides in orthopedic surgery. SOFCOT Conference 2021. 107, n° 6, Supplement (1 octobre 2021): S1-10. <https://doi.org/10.1016/j.rcot.2021.06.015>.

- Jacquot A, **Gauci MO**, Urvoy M, Boux de Casson F, Berhouet J, Letissier H. Anatomical Plane and Transverse Axis of the Scapula: Reliability of Manual Positioning of the Anatomical Landmarks *Shoulder & Elbow*, 17 mars 2021. <https://doi.org/10.1177/17585732211001756>.
- Berhouet J, Jacquot A, Walch G, Deransart P, Favard L, **Gauci MO**. Pre-Operative Planning of Baseplate Position in Reverse Shoulder Arthroplasty: Still No Consensus on Lateralization, Version and Inclination. *Orthopaedics & Traumatology: Surgery & Research*, 12 octobre 2021, 103115. <https://doi.org/10.1016/j.otsr.2021.103115>.
- Olmos, MI, Johnston TR, Gonzalez JF, Camuzard O, **Gauci MO**. Glomus Tumor of the Scapular Neck with Axillary Nerve Compression at the Shoulder. A Case Report. *Shoulder & Elbow*, 20 octobre 2021. <https://doi.org/10.1177/17585732211040160>.
- **Gauci MO**, Chammas PE, Johnston TR, Chelli M, Chaoui J, Boux de Casson F, Blasco L, Boileau P. Simulation in Shoulder Arthroplasty Education Using Three-Dimensional Planning Software: The Role of Guidelines and Predicted Range of Motion. *International Orthopaedics*, 12 août 2021. <https://doi.org/10.1007/s00264-021-05155-6>.
- Cointat C, Raynier JL, Vasseur H, Lareyre F, Raffort J, **Gauci MO**, Boileau P. Short-Term Outcomes and Survival of Pyrocarbon Hemiarthroplasty in the Young Arthritic Shoulder. *Journal of Shoulder and Elbow Surgery* 0, n° 0 (16 juillet 2021). <https://doi.org/10.1016/j.jse.2021.06.002>.
- **Gauci, M.O.**, Athwal GS, Sanchez-Sotelo J, Chaoui J, Urvoy M, Boileau P, Walch G. Identification of Threshold Pathoanatomic Metrics in Primary Glenohumeral Osteoarthritis. *Journal of Shoulder and Elbow Surgery*, 1 avril 2021. <https://doi.org/10.1016/j.jse.2021.03.140>.
- **Gauci, M.O.**, Monin B, Rudel A, Blasco L, Bige B, Boileau P. In-Office Biceps Tenotomy with Needle Arthroscopy: A Feasibility Study. *Arthroscopy Techniques*, 12 avril 2021. <https://doi.org/10.1016/j.eats.2021.01.022>.
- Boileau P, Galvin JW, Pangaud C, Gonzalez J.F., **Gauci M.O.** Response to Letter to the Editor on Fracture of Pyrocarbon Humeral Head Resurfacing Implant: A Case Report. *Journal of Shoulder and Elbow Surgery* (23 décembre 2020). <https://doi.org/10.1016/j.jse.2020.11.005>.
- Boileau P, Chelli M, Johnston TR, Cardenas G, **Gauci M.O.** Letter to the Editor Regarding: « Reverse Shoulder Arthroplasty with and without Latissimus and Teres Major Transfer for Patients with Combined Loss of Elevation and External Rotation: A Prospective, Randomized Investigation. *Journal of Shoulder and Elbow Surgery*, no 0 (23 décembre 2020). <https://doi.org/10.1016/j.jse.2020.11.004>.
- Boileau P, Seeto BL, Clowez G, **Gauci M.O.**, Trojani C, Walch G, Chelli M. SECEC Grammont Award 2017: The Prejudicial Effect of Greater Tuberosity Osteotomy or Excision in Reverse Shoulder Arthroplasty for Fracture Sequelae. *Journal of Shoulder and Elbow Surgery* 29, no 12 (décembre 2020): 2446-58. <https://doi.org/10.1016/j.jse.2020.03.010>.
- Walch G, Collotte P, Raiss P, Athwal GS, **Gauci M.O.** The Characteristics of the Favard E4 Glenoid Morphology in Cuff Tear Arthropathy: A CT Study. *Journal of Clinical Medicine* 9, no 11 (novembre 2020): 3704. <https://doi.org/10.3390/jcm9113704>.
- **Gauci MO**, Chelli M, Fernandez J, Bronsard N. Patient-Specific Three-Dimensional-printed Instrumentation for Radius Lengthening Osteotomy by a Volar Approach in Epiphysiodesis Sequelae: A Case Report. *Journal of Orthopaedic Case Reports* 2020 Mar-Apr;10(2): 21-24.
- **Gauci MO**, Deransart P, Chaoui J, Urvoy M, Athwal GS, Sanchez-Sotelo J, Boileau P, Walch G. Three-Dimensional Geometry of the Normal Shoulder: A Software Analysis. *Journal of Shoulder and Elbow Surgery*, 9 juin 2020. <https://doi.org/10.1016/j.jse.2020.03.042>.
- Pangaud C, Gonzalez JF, Galvin JW, **Gauci MO**, Boileau P. Fracture of Pyrocarbon Humeral Head Resurfacing Implant: A Case Report. *Journal of Shoulder and Elbow Surgery* 0, no 0 (9 juin 2020). <https://doi.org/10.1016/j.jse.2020.02.028>.
- **Gauci M.O.**, Waitzenegger T., Chammas P.E., Coulet B., Lazerges C., Chammas M. Comparison of Clinical Outcomes of Three-Corner Arthrodesis and Bicolunar Arthrodesis for Advanced Wrist Osteoarthritis. *The Journal of Hand Surgery, European Volume*, 27 février 2020, 1753193420905484. <https://doi.org/10.1177/1753193420905484>.
- Boileau P, Morin-Salvo N, Bessière C, Chelli M, **Gauci M.O.**, Lemmex DB. Bony Increased-Offset Reverse Shoulder Arthroplasty (BIO-RSA): 5 to 10 Years Follow-Up. *Journal of Shoulder and Elbow Surgery* 0, no 0 (3 juin 2020). <https://doi.org/10.1016/j.jse.2020.02.008>.
- Chelli M., Bronsard N., Gonzalez J.F, Blasco L., **Gauci M.O.**, Boileau P. The Distal-Medial Pilot Hole: A Simple Way to Ease Volar Plate Positioning in Extra-Articular Distal Radius Fractures. *Injury* 51, no 3 (mars 2020): 779-82. <https://doi.org/10.1016/j.injury.2020.01.038>.
- Boileau P, Pison A, Wilson A, van der Meijden O, Sacconi S, Trojani C, **Gauci M.O.** Bilateral Scapulothoracic Arthrodesis for Facioscapulohumeral Muscular Dystrophy: Function, Fusion, and Respiratory Consequences. *Journal of Shoulder and Elbow Surgery* 29, n° 5 (1 mai 2020): 931-40. <https://doi.org/10.1016/j.jse.2019.10.006>.
- **Gauci M.O.**, Cavalier M., Gonzalez J.F., Holzer N., Baring T., Walch G., Boileau P. Revision of Failed Shoulder Arthroplasty: Epidemiology, Etiology, and Surgical Options. *Journal of Shoulder and Elbow Surgery*, 6 octobre 2019. <https://doi.org/10.1016/j.jse.2019.07.034>.
- Muccioli C, Chelli M., Caudal A., Andreani O., Elhor H., **Gauci M.O.**, Boileau P. Rotator Cuff Integrity and Shoulder Function after Intra-Medullary Humerus Nailing. *Orthopaedics & Traumatology: Surgery & Research*, 24 décembre 2019. <https://doi.org/10.1016/j.otsr.2019.11.004>.
- Chelli M., Lo Cunsolo L., **Gauci M.O.**, Gonzalez J.F., Doms P., Bronsard N., Boileau P. « Reverse Shoulder Arthroplasty in Patients Aged 65 Years or Younger: A Systematic Review of the Literature ». *JSES Open Access* 3, no 3 (1 octobre 2019): 162-67. <https://doi.org/10.1016/j.jses.2019.06.003>.
- Barret H., **Gauci M.O.**, Langlais T., Van der Meijden O., Tran L., Boileau P. Pyrocarbon Interposition Shoulder Arthroplasty in Young Arthritic Patients: a Prospective Observational Study. (Accepted to *Journal of Shoulder and Elbow Surgery* 2019)
- Boileau P., **Gauci M.O.**, Wagner E., Clowez G., Chaoui J., Chelli M., Walch G. The RSA angle ("Reverse Shoulder Angle"): A Novel Measurement of Glenoid Inclination for Reverse Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery* 2019 (Accepted)
- Neyton L., **Gauci M.O.**, Deransart P., Collotte P., Walch G., Athwal G.S., 3D Characterization of the anteverted glenoid (Type D) in primary glenohumeral osteoarthritis. *Journal of Shoulder and Elbow Surgery* 2019 (Accepted)
- Barret, H, Winter M, Gastaud O, Saliken J. J., **Gauci M.O.**, Bronsard N. Double Incision Repair Technique with Immediate Mobilization for Acute Distal Biceps Tendon Ruptures Provides Good Results after 2 Years in Active Patients. *Orthopaedics & Traumatology, Surgery & Research: OTSR*, 4 décembre 2018. <https://doi.org/10.1016/j.otsr.2018.10.012>.
- Paul, R., Knowles N., Chaoui J., **Gauci M.O.**, Ferreira L., Walch G., Athwal G.S. « Characterization of the Dysplastic Walch Type C Glenoid ». *The Bone & Joint Journal* 100-B, no 8 (2018): 1074-79. <https://doi.org/10.1302/0301-620X.100B8.BJJ-2018-0116.R1>.
- Laumonerie P., Tibbo M., Kerezoudis P., **Gauci M.O.**, Reina N., Bonneville N., Mansat P. Short to Midterm Outcomes of One Hundred and Seventy One MoPvC Radial Head Prostheses: Meta-Analysis. *International Orthopaedics*, 30 juillet 2018. <https://doi.org/10.1007/s00264-018-4070-0>.

- Jacquot A, **Gauci M-O**, Chaoui J, Baba M, Deransart P, Boileau P, Mole D, Walch G. Proper Benefit of a Three Dimensional Pre-Operative Planning Software for Glenoid Component Positioning in Total Shoulder Arthroplasty International Orthopaedics, July 2, 2018. <https://doi.org/10.1007/s00264-018-4037-1>.

- Reina, N., J. Cognault, M. Ollivier, L. Dagneaux, **M.-O. Gauci**, R. Pailhé. "The CJOOrtho App: A Mobile Clinical and Educational Tool for Orthopedics." *Orthopaedics & Traumatology, Surgery & Research: OTSR*, April 11, 2018. <https://doi.org/10.1016/j.otsr.2018.01.022>.

- **Gauci MO**, Bronsard N, Holzer N, Bonneville N, Moineau G, Baba M, Walch G, Boileau P. Anatomical total shoulder arthroplasty in young patients with osteoarthritis. *The Bone and Joint Journal*. (Accepted, 2018)

- Boileau P, Cheval D, **Gauci MO**, Holzer N, Chaoui J, Walch G. Automated Three-Dimensional Measurement of Glenoid Version and Inclination in Arthritic Shoulders. *The Journal of Bone and Joint Surgery. American Volume* 100, no. 1 (January 3, 2018): 57–65. <https://doi.org/10.2106/JBJS.16.01122>.

- Boileau P, Morin-Salvo N, **Gauci MO**, Seeto B, Chalmers P, Holzer N, Walch G. Angled BIO-RSA (Bony-Increased Offset-Reverse Shoulder Arthroplasty): A Solution for the Management of Glenoid Bone Loss and Erosion." *Journal of Shoulder and Elbow Surgery* 26, no. 12 (December 2017): 2133–42. <https://doi.org/10.1016/j.jse.2017.05.024>.

- Bouacida, S, **Gauci, M.-O.**, Coulet B, Lazerges C, Cyteval C, Boileau P, and Chammas M. Interest in the Glenoid Hull Method for Analyzing Humeral Subluxation in Primary Glenohumeral Osteoarthritis *Journal of Shoulder and Elbow Surgery*, March 31, 2017. doi:10.1016/j.jse.2017.01.027.

- Garret, J, Godeneche A, Boileau P, Molé D, Etnzer M, Favard L, Levigne C, Sirveaux F, **Gauci M.-O.**, Dezaly C, Walch G. Pyrocarbon Interposition Shoulder Arthroplasty: Preliminary Results from a Prospective Multicenter Study at 2 Years of Follow-Up. *Journal of Shoulder and Elbow Surgery*, February 14, 2017. doi:10.1016/j.jse.2017.01.002.

- Chan K, Knowles N. K., Chaoui J, **Gauci M.-O.**, Ferreira L. M., Walch G, Athwal G. S. Characterization of the Walch B3 Glenoid in Primary Osteoarthritis *Journal of Shoulder and Elbow Surgery*, January 11, 2017. doi:10.1016/j.jse.2016.10.003.

- **Gauci, M.-O.**, Lenoir, H., Waitzenegger, T., Andrin, J., Lazerges, C., Coulet, B., & Chammas, M. (2016). Fractures extra-articulaires de l'extrémité distale du radius chez l'adulte jeune. *Hand Surgery and Rehabilitation*. <http://doi.org/10.1016/j.hansur.2016.03.005>

- Coulet, B., **Gauci, M.-O.**, Lazerges, C., & Chammas, M. (2016). Désaxations carpiennes adaptatives après fractures de l'extrémité distale du radius. *Hand Surgery and Rehabilitation*. <http://doi.org/10.1016/j.hansur.2016.04.004>

- **Gauci, M.-O.**, Boileau, P., Baba, M., Chaoui, J., & Walch, G. (2016). Patient-specific glenoid guides provide accuracy and reproducibility in total shoulder arthroplasty. *The Bone & Joint Journal*, 98-B(8), 1080–1085. <http://doi.org/10.1302/0301-620X.98B8.37257>

- Bercik, M. J., Kruse, K., Yalozis, M., **Gauci, M.-O.**, Chaoui, J., & Walch, G. (2016). A modification to the Walch classification of the glenoid in primary glenohumeral osteoarthritis using three-dimensional imaging. *J Shoulder Elbow Surg*, 0(0). <http://doi.org/10.1016/j.jse.2016.03.010>

- Daggett, M., Werner, B., **GAUCI, M.-O.**, Chaoui, J., Walch, G. (2015). Comparison of glenoid inclination angle using different clinical imaging modalities. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.001>

- **Gauci, MO.**, Winter, M., Dumontier, C., Bronsard, N., Allieu, Y. (2015). Clinical and radiological outcomes of pyrocarbon radial head prosthesis: mid-term results. *J Shoulder Elbow Surg*. Doi 10.1016/j.jse.2015.08.033

- **Gauci, MO.** Chirurgie en 2025 : Quelle formation et quel avenir pour les jeunes chirurgiens? Mémoires. Académie de Chirurgie (France). 14((3)):011-013 · January 2015. doi: 10.14607/emem.2015.3.011

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- Fernandez, J., Camuzard, O., **Gauci, M.-O.**, & Winter, M. (2015). A rare cause of ulnar nerve entrapment at the elbow area illustrated by six cases: The anconeus epitrochlearis muscle. *Chirurgie De La Main*, 34(6), 294–299. <http://doi.org/10.1016/j.main.2015.09.005>

- Daggett, M., Werner, B., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Comparison of glenoid inclination angle using different clinical imaging modalities. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.001>

- **Gauci, MO.**, Winter, M., Dumontier, C., Bronsard, N., Allieu, Y. (2015). Clinical and radiological outcomes of pyrocarbon radial head prosthesis: mid-term results. *J Shoulder Elbow Surg*. Doi 10.1016/j.jse.2015.08.033

- **Gauci, MO.** Chirurgie en 2025 : Quelle formation et quel avenir pour les jeunes chirurgiens? Mémoires. Académie de Chirurgie (France). 14((3)):011-013 · January 2015. doi: 10.14607/emem.2015.3.011

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- Fernandez, J., Camuzard, O., **Gauci, M.-O.**, & Winter, M. (2015). A rare cause of ulnar nerve entrapment at the elbow area illustrated by six cases: The anconeus epitrochlearis muscle. *Chirurgie De La Main*, 34(6), 294–299. <http://doi.org/10.1016/j.main.2015.09.005>

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- **Gauci, MO.**, Winter, M., Dumontier, C., Bronsard, N., Allieu, Y. (2015). Clinical and radiological outcomes of pyrocarbon radial head prosthesis: mid-term results. *J Shoulder Elbow Surg*. Doi 10.1016/j.jse.2015.08.033

- **Gauci, MO.** Chirurgie en 2025 : Quelle formation et quel avenir pour les jeunes chirurgiens? Mémoires. Académie de Chirurgie (France). 14((3)):011-013 · January 2015. doi: 10.14607/emem.2015.3.011

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- Fernandez, J., Camuzard, O., **Gauci, M.-O.**, & Winter, M. (2015). A rare cause of ulnar nerve entrapment at the elbow area illustrated by six cases: The anconeus epitrochlearis muscle. *Chirurgie De La Main*, 34(6), 294–299. <http://doi.org/10.1016/j.main.2015.09.005>

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- **Gauci, MO.**, Winter, M., Dumontier, C., Bronsard, N., Allieu, Y. (2015). Clinical and radiological outcomes of pyrocarbon radial head prosthesis: mid-term results. *J Shoulder Elbow Surg*. Doi 10.1016/j.jse.2015.08.033

- **Gauci, MO.** Chirurgie en 2025 : Quelle formation et quel avenir pour les jeunes chirurgiens? Mémoires. Académie de Chirurgie (France). 14((3)):011-013 · January 2015. doi: 10.14607/emem.2015.3.011

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- Fernandez, J., Camuzard, O., **Gauci, M.-O.**, & Winter, M. (2015). A rare cause of ulnar nerve entrapment at the elbow area illustrated by six cases: The anconeus epitrochlearis muscle. *Chirurgie De La Main*, 34(6), 294–299. <http://doi.org/10.1016/j.main.2015.09.005>

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- **Gauci, MO.**, Winter, M., Dumontier, C., Bronsard, N., Allieu, Y. (2015). Clinical and radiological outcomes of pyrocarbon radial head prosthesis: mid-term results. *J Shoulder Elbow Surg*. Doi 10.1016/j.jse.2015.08.033

- **Gauci, MO.** Chirurgie en 2025 : Quelle formation et quel avenir pour les jeunes chirurgiens? Mémoires. Académie de Chirurgie (France). 14((3)):011-013 · January 2015. doi: 10.14607/emem.2015.3.011

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- Fernandez, J., Camuzard, O., **Gauci, M.-O.**, & Winter, M. (2015). A rare cause of ulnar nerve entrapment at the elbow area illustrated by six cases: The anconeus epitrochlearis muscle. *Chirurgie De La Main*, 34(6), 294–299. <http://doi.org/10.1016/j.main.2015.09.005>

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- **Gauci, MO.**, Winter, M., Dumontier, C., Bronsard, N., Allieu, Y. (2015). Clinical and radiological outcomes of pyrocarbon radial head prosthesis: mid-term results. *J Shoulder Elbow Surg*. Doi 10.1016/j.jse.2015.08.033

- **Gauci, MO.** Chirurgie en 2025 : Quelle formation et quel avenir pour les jeunes chirurgiens? Mémoires. Académie de Chirurgie (France). 14((3)):011-013 · January 2015. doi: 10.14607/emem.2015.3.011

- Daggett, M., Werner, B., Collin, P., **GAUCI, M.-O.**, **Chaoui, J.**, Walch, G. (2015). Correlation between glenoid inclination and critical shoulder angle: a radiographic and computed tomography study. *J Shoulder Elbow Surg*. <http://doi.org/10.1016/j.jse.2015.07.013>

- Fernandez, J., Camuzard, O., **Gauci, M.-O.**, & Winter, M. (2015). A rare cause of ulnar nerve entrapment at the elbow area illustrated by six cases: The anconeus epitrochlearis muscle. *Chirurgie De La Main*, 34(6), 294–299. <http://doi.org/10.1016/j.main.2015.09.005>

Book Contributions:

- Elsevier Monographie: Virtual planning and PSI (L Favard & P Mansat 2020)

- SOFCOT Conference d'Enseignement 2020: Patient specific Instrumentation in Orthopaedics (2020)

- **Gauci, M.-O.**, Downes K., Christas K. N., Hernandez Ortiz E. G., O'Brian D. E., Brewley E. E., Franke K., Frankle M. The Stem Ablation Rating System: a preoperative scoring system to guide surgeons in stem removal during revision shoulder arthroplasty. *Shoulder arthroplasty, current concepts*. Paris International Shoulder Course (2019)

- **Gauci, M.-O.**, VanDerMeijden O., Lavoué V., Chelli M., Ceccarelli R., Boileau P. TSA in patients younger than 60 years-old: results of a multicentric study. *Shoulder Concepts, Nice Shoulder course* 2018

- **Gauci, M.-O.**, Barret H., Bessière C., Baring T., Boileau P. RSA for revision after failed anatomical TSA. *Shoulder Concepts, Nice Shoulder course* 2016

- **Gauci, M.-O.**, McClelland, W. B., Jr., Bessiere, C., Thélu, C.-É., Rumian, A. P., Roussanne, Y., & Boileau, P. (2016). Massive Irreparable Rotator Cuff Tears: How to Rebalance the Cuff-Deficient Shoulder? In M. Frankle, S. Marberry, & D. Pupello (Eds.), *Reverse Shoulder Arthroplasty* (pp. 265–275). Cham: Springer International Publishing. http://doi.org/10.1007/978-3-319-20840-4_26

- **Gauci, M.-O.**, Walch G., Chaoui J., Boileau P (2014). Clinical results in clinical use of patient specific guide after 3D planning to optimize the position of the glenoid implant. *Shoulder Concepts, Nice Shoulder course* 2014

- Dalmas Y., **Gauci M.O.** ECN intensif, Orthopédie-Traumatologie. Vernazobres-Gregio. 2019

COMMUNICATIONS

Over 30 communications in International Society and Congress: MICCAI, CLINICAI, CAOS International, SECEC, ICSES, NSC,

Over 50 communications in French Society and Congress: SOFCOT, CAOS, SOFEC, French Academy Surgery

PEDAGOGIC CONTRIBUTION

- Elsevier board scientific director for CK Student numeric pedagogic platform
- French National Referent for the National Orthopedic Pedagogic Connected Platform (French Orthopaedic College) 2017-2018
- Member of the French College of Orthopaedic Surgeons (CFCOT)

CONGRESS DIRECTOR

CAOS DAYS 2024 (Montpellier)

Computational & Augmented Surgery, FHU Conference (13/12/2023)
[MedInTechs 2023](#) (Paris): supervisor of the Surgical and Interventional Innovation and Digital Village
Session CAOS 2021, 2022, 2023 (Congres de la SOFCOT)
[CAOS DAYS 2021](#) (1st edition) : 25 & 26 June 2021
Session CAOS 2021 (E-Learning de la SOFCOT) : *"Hip Total Arthroplasty: handfree or CAOS ?"*
Session CAOS 2019 (Congress SOFCOT)
Session CAOS 2019 (E-Learning SOFCOT) : *« New CAOS technologies in orthopaedic surgery »*
Session CJO 2017: "Can we let operate the residents?"
Master Class CJO/CNJC 2018: *"Orthopaedics in Terrorist attacks"*
Master Class CNJC 2017: *"Accelerate Rehabilitation after Surgery"*

MEMBERSHIP

President of [CAOS-France \(Computed Assisted Orthopedic Society\)](#) 2018-...
[R&D Committee Member, SECEC-ESSSE \(Shoulder Elbow Surgery European Society\)](#) 2020-...
Member of the SOFEC Board (2023 - ...)
Member European Society for Surgery of the Shoulder and the Elbow (SECEC-ESSSE)
[Medicen](#) (Paris) Surgery 4.0 board 2022, 2023
President of the CJO (Collège des Jeunes Orthopédistes) 2016-2018
Secretary of the CJO Board 2015-2016 (Collège des Jeunes Orthopédistes)
President and Founder of the CNJC (Conseil National des Jeunes Chirugiens) 2014- ..
National surgeons' representative for reforming the 3rd cycle of the French medical study

Hobbies:

- **Piano:** Conservatoire, 3rd cycle
→ 1st Medal, Claude Kahn international competition, grade « Fin d'Etude », Cannes, 2007.
- Skiing, swimming, athletics