

GIACOMO PACCHIAROTTI

Work Experiences

- Freelance Clinical Activity at ASL Roma 1, 2, Rome 2024-Present
- Freelance Surgical and Clinical activity at “Casa di Cura Villa Betania”, Rome 2024-Present
- Freelance Surgical activity at “Istituto Marco Pasquali” ICOT, Latina 2024-Present
- Teaching “Ortopedia e Traumatologia” for “Accademia Italiana Medici Specializzandi SRL” 2024-Present
- Teaching “Corso Istruttori Scuola Guida – area medica” for Autoscuela Newton SRL 2019-2020

Education

La Sapienza University of Rome, Rome, Italy

- Post-Graduation with Honors in Orthopaedics and Traumatology – National Residency Program – at Policlinico Umberto I Hospital, Rome (Director Prof. S. Gumina) 2019-2024
- Full-year Fellowship (Sapienza Educational Net) at Orthopaedics and Traumatology Department of “Istituto Marco Pasquali” ICOT – Robotic Knee Surgery address, Latina (Dr. A. Todesca) 2023-2024
- Fellowship (Sapienza Educational Net) at Orthopaedics and Traumatology Department of Santo Spirito in Sassia Hospital, Rome (Dr. G. Panegrossi) 2022
- Fellowship (Sapienza Educational Net) at Oncologic Orthopaedics Department of Istituti Fisioterapici Ospedalieri (IFO), Rome (Prof R. Biagini) 2021
- Italian National License to Practice 2018
- Graduation with Honors in Medicine and Surgery 2011-2017
- Internship in the Laboratory of Immunology and Immunopathology of the Department of Experimental Medicine (Prof. G. Palmieri) 2015
- Attendance at several conferences and courses organized by the University

Hospital for Special Surgery, Cornell University, New York, USA

- Academic Observership Program at Adult Reconstruction and Joint Replacement (ARJR) Service (Dr. M. Austin, Dr. A. Carli, Dr. P.K. Sculco, Dr T.P. Sculco) 2024

Kantonsspital Baselland, University of Basel, Bruderholz, Switzerland

- Clinical and Research Fellowship at Orthopedic Surgery and Traumatology Department Knee Team (Prof. M.T. Hirschmann) 2024

Miller School of Medicine, University of Miami, Miami, USA

- Observership at the Department of Neurological Surgery (Prof M.Y. Wang) 2016

Sant’Andrea Hospital, Rome, Italy

- Observership at the Department of Neurosurgery (Prof A. Raco) 2016-2017
- Observership at the Department of Orthopaedics and Traumatology (Prof A. Ferretti) 2015

Istituto delle Suore di San Giuseppe, Rome, Italy

- Scientific high school diploma 2006-2011

Courses

- Cadaver Course “Istanbul Arthroscopy Cadaver Course” Arthroschool, Istanbul, Turkey 2024
- Cadaver Course “Discovery Knee – Joint Preservation” Skill Lab Nova Clinic, San Marino 2024
- Cadaver Course SIAGASCOT “Basic Knee”, Humanitas University, Rozzano (MI), Italy 2023
- Cadaver Course “Discovery Knee - Mastergraft” Skill Lab Nova Clinic, San Marino 2023
- OTODI “Cross-fire Hip&Knee Campus”, Milano Marittima (RA), Italy 2023
- “The Prosthetic Knee Surgery” Johnson & Johnson Institute, Pratica di Mare (RM), Italy 2023
- AO “Recon—Basic Principles”, Bucharest, Romania 2023
- OTODI “Spring Boot Camp”, Castellaneta Marina (TA), Italy 2023
- ALOTO “External Fixation Basic Course”, Rome, Italy 2022

- University of Turin, “IX Advanced Course of Knee Prosthesis Surgery”, Turin, Italy 2022
- AO “Trauma—Advanced Principles of Fracture Management”, Tallinn, Estonia 2022
- OTODI “Boot Camp”, Riccione, Italy 2022
- AO “Trauma—Basic Principles of Fracture Management”, Thessaloniki, Greece 2022
- Cadaver Course ALOTO – Arthroscopy Basic Knee, Rome and Naples, Italy 2021
- "8th International Medical Summer School" course, Manchester, UK 2016

Publications

- **Pacchiarotti, G.**, Todesca, A., Avram, G. M., Longo, G., Paolicelli, D., & Gumina, S. (2025). Image-based robotic total knee arthroplasty preserves the knee joint line level even in advanced fixed flexion deformities when combined with functional alignment principles: A retrospective comparative cohort study. *Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA*, 10.1002/ksa.12643. Advance online publication. <https://doi.org/10.1002/ksa.12643>
- Avram, G. M., Tomescu, H., Dennis, C., Rusu, V., Mengis, N., Ammann, E., **Pacchiarotti, G.**, Hirschmann, M. T., Predescu, V., & Russu, O. (2024). Robotic-Assisted Medial Unicompartmental Knee Arthroplasty Provides Better FJS-12 Score and Lower Mid-Term Complication Rates Compared to Conventional Implantation: A Systematic Review and Meta-Analysis. *Journal of personalized medicine*, 14(12), 1137. <https://doi.org/10.3390/jpm14121137>
- Robotic-assisted patellofemoral arthroplasty: Where are we today? Submitted to *Joints*. **Pacchiarotti G.**, Cipolloni A., Gumina S., Todesca A.
- **Pacchiarotti, G.**, Todesca, A., Coppola, M., & Gumina, S. (2024). Robotic-assisted patellofemoral arthroplasty provides excellent implant survivorship and high patient satisfaction at mid-term follow-up. *International orthopaedics*, 48(8), 2055–2063. <https://doi.org/10.1007/s00264-024-06224-2>
- Protesi di ginocchio dolorosa e "mystery knee". *Ortopedia* 33 2023. Todesca A, **Pacchiarotti G.**
- Chapter 15 of “Advanced Robotic Spine Surgery A case-based approach”. Taylor & Francis 2021. Michael Y. Wang, William J. Steele III, Timur Urakov. ISBN 9780367522445
- Kolcun, J. P. G., Ghobrial, G. M., Crandall, K. M., Chang, K. H., **Pacchiarotti, G.**, & Wang, M. Y. (2019). Minimally Invasive Lumbar Interbody Fusion With an Expandable Meshed Allograft Containment Device: Analysis of Subsidence With 12-Month Minimum Follow-Up. *International journal of spine surgery*, 13(4), 321–328. <https://doi.org/10.14444/6044>
- **Pacchiarotti, G.**, Wang, M. Y., Kolcun, J. P. G., Chang, K. H., Al Maaieh, M., Reis, V. S., & Nguyen, D. M. (2017). Robotic paravertebral schwannoma resection at extreme locations of the thoracic cavity. *Neurosurgical focus*, 42(5), E17. <https://doi.org/10.3171/2017.2.FOCUS16551>

Congress Communications

- Oral presentation at 107° SIOT Annual Congress “La protesi totale di ginocchio robot-assistita riduce lo spessore delle resezioni ossee e conserva l’altezza dell’interlinea articolare nei pazienti con contrattura fissa in flessione: uno studio caso controllo” **G. Pacchiarotti**, G. Longo, M. Coppola, A. Todesca 2024
- Poster Presentation at 107° SIOT Annual Congress “Navigazione computerizzata versus approccio convenzionale nella protesi totale di ginocchio: Outcome funzionale e sopravvivenza con follow-up minimo a 15 anni” **G. Pacchiarotti**, C. Pizzigallo, M. Coppola, A. Todesca 2024
- Oral presentation at 25th EFORT Annual Congress: “Medium-Term Outcomes Of Imageless Robotic-Assisted Patello-Femoral Arthroplasty” **G. Pacchiarotti**, M. Coppola, A. Todesca. **Winner of “EFORT Michael Freeman Award 2024”** 2024
- Poster presentation at 25th EFORT Annual Congress: “14-Years Minimum Follow-Up Functional Outcomes Of Computer-Navigated TKA: An Update Of A Randomized Study” **G. Pacchiarotti**, A. Todesca 2024
- Oral presentation at SIAGASCOT II Annual Meeting and 106° SIOT Annual Congress: “La Protesi Femoro-Rotulea con Tecnica Robotizzata” **G. Pacchiarotti**, M. Coppola, A. Todesca 2023
- Oral presentation at 23rd EFORT Annual Congress and poster presentation at 106° SIOT Annual Congress: “Novel Experimental Model For Evaluating The Effects of Cement Viscosity and Bone Density in Trabecular Bone Penetration in Total Knee Arthroplasty” **G. Pacchiarotti**, P. Petitti, C.M. Bruno, G. Alfieri, M. Mattone, S. Perotti, G. Cinotti 2022
- Oral presentation at Italian University Academy of Orthopaedics and Traumatology (AUOT) 2021

Member of “Associazione Italiana Specializzandi di Ortopedia e Traumatologia” (AISOT), “Ortopedici e Traumatologi Ospedalieri d’Italia” (OTODI), “Società Italiana Artroscopia Ginocchio Arto Superiore Sport Cartilagine Tecnologie Ortopediche” (SIAGASCOT), and “Società Italiana di Ortopedia e Traumatologia” (SIOT).

Community Service

- Resident's representative at "La Sapienza" University, Orthopaedics and Traumatology Residency Program 2019-2024
- Paul Harris Fellow Honor for fundraising and service for Ukrainian refugees 2022
- Councilor of Faculty - elected as student representative at the faculty of Medicine and Psychology Assembly - "Sapienza" University of Rome 2015-2017
- Councilor of CCL - Degree Course Council - as student representative for the revision of the undergraduate courses - "Sapienza" University of Rome 2016
- Responsible for the organisation of the event "STROKE: KNOW IT TO FIGHT IT" promoted by the student organization "Vento di Cambiamento" 2016
- Participation in the Student Organization "Vento di Cambiamento" 2014-17

Languages

- ITALIAN: Mother tongue
- ENGLISH: Advanced knowledge of spoken and written language
- FRENCH: Basic knowledge of written and spoken language

Hobbies

- Skiing, snowboarding, scuba diving, sailing, amateur pianist, and guitarist

Rome, March 27th 2025