

Curriculum vitae

Pascal KOUYOUMDJIAN

Married, 3 children

Born on January 8, 1966, Paris



Professor

Academic Practitioner – Hospital Practitioner

University of Montpellier 1 - CHU Nîmes

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RPPS : 10003457123

CNU, Section 50 sous-section 02 Chirurgie Orthopédique et Traumatologique

CURRENT AFFILIATION :

- **Chair of the Orthopaedic and Trauma Surgery Department. Spine surgery. Nîmes. University Professor.**
Hospital Practitioner – University Practitioner since September 2013.
 - **University Professor- Hospital Practitioner 1st Class**
 - **Academy of Montpellier section: 50-02 orthopedic and trauma surgery**
 - **Institution: University of Montpellier. Faculty of Medicine Montpellier - Nîmes**
- **Chair of Department of the Orthopaedic and Traumatological Surgery Unit of the Nîmes University Hospital**
Date of appointment : 01/09/2013
- **Justice Expert at the Court of Appeal of Nîmes**
- **Fellowship** : Orthopaedic and Trauma Surgery. Nîmes University Hospital 2000-2002.
- **Hospital Practitioner** : Orthopaedic and Trauma Surgery. Nîmes University Hospital Centre 2002-2013
- **Laureate of the Faculty of Medicine of Montpellier.**

ACADEMIC TRAVELLING FELLOWSHIP VALIDATION : Research unit of the LBM Biomechanics Laboratory.
École Nationale Supérieure des Arts et Métiers (ENSAM), Paris. 1 Year : 1997-98.

DIPLOMA :

Preparatory University Diploma for Human Biology Studies, René Descartes University, Paris V 1987

Certificate in Bacteriology and Systemic Virology, René Descartes University, Paris V 1989

Master's degree in Biological and Medical Sciences with a specialization in Immunology, Paris V 1991

University Diploma in Sectional and Surgical Anatomy, UM1 1995

Doctor of Medicine, University of Montpellier 1 (UM1) 1998

DES General Surgery, UM1 1998

DESC Orthopaedic and Trauma Surgery, UM1 2001

Master2 Biological and Medical Engineering, Biomechanics, École Nationale Supérieure des Arts et Métiers (ENSAM) LBM, Paris 1997

Ph.D. Thesis, Biology, Health, Neuroscience option, UM2 2009

Accreditation to Supervise Research (HDR), UM1 October 2012.

Exam for the recruitment for University Professors. National University Council (CNU): sous section 50-02. 18 Avril 2013

Justice Expert at the Court of Appeal of Nîmes

TRAVELLING FELLOWSHIPS: INVESTMENT IN EXPERIMENTAL AND CLINICAL RESEARCH:

1. Research Academic Fellowship: Research unit: LBM Biomechanics Laboratory (ENSAM Paris) (May1997/98): optoelectronic assessment of the modification of the posture and the kinematics of scoliotic patients after spinal deformity correction. Partner : Pr J. Dubousset, APHP Hôpital Saint Vincent de Paul. Paris. 1 an (1996-97).
2. Clinical Academic Fellowship: University and Hospital Center of Bordeaux Spine Unit 2007-2008. See Pr. Vital. Hospital practitioners to CHU-Nîmes / CHU Bordeaux.
3. LBM ENSAM Paris –EUROS La Ciotat. 05/98 à 12/98. Conception of a new design of median hoop enhancing posterior stability of ORIF in the surgical treatment of thoracolumbar fracture
4. PhD, Inserm U583, Montpellier. Ph.D. "Development of a mouse model of in vivo spinal cord compression" in 2008 (2003-08).
5. CNRS member (National Centre for Scientific Research) (Unit 5587 LCVN/L2C – University of Montpellier 2 (UM2): Projet IRM de haut champs et lésion médullaire chez le petit animal, 2011- 2013.
6. LMGC (Laboratory of Mechanics and Civil Engineering) - CNRS UMR 5508 UM2. Intervertebral Disc Modelisation. Since 2013.

UNIVERSITY EDUCATION:

- **University Diploma in Medical Education.** UM 1. 2010
- **TCS Training Workshops.** Université de Montpellier 2013
- **University Diploma Preparatory to Human Biology Studies,** René Descartes University, Paris V, 1987
- **Certificate in Bacteriology and Systemic Virology,** René Descartes University, Paris V, 1989
- **Master's degree in Biological and Medical Sciences with a specialization in Immunology,** René Descartes University, Paris V, 1991
- **University Diploma in Sectional and Surgical Anatomy,** UM1, 1995
- **Clinical academic travelling fellow-ship: : CHU Bordeaux Spine unit 2007-2008. Pr Vital : Hospital and University Agreement** as a full-time hospital practitioner (7 months)

AWARDS & REWARDS:

- Award winner of the Faculty of Medicine of Montpellier.
- Fontaine Midi Libre Thesis Rewards. 1999
- Awards of the European Association of Research Groups for Spinal Osteosynthesis (ARGOS). 2000
- Awards of the European Federation of national associations of Orthopaedic and Traumatology (EFFORT): best poster presentation (Vienna, Austria, 2023)

SOCIETY MEMBERSHIP

- ▶ **Société Française de Chirurgie Orthopédique et Traumatologique (SOFOT)** since 2009.
- ▶ **Groupe d'Etude de la Scoliose (GES)** 2007
- ▶ **Société Française de Chirurgie du Rachis (SFCR)** since Mai 2012.
- ▶ **OTC** : from 2015
- ▶ **OTSF** : from 2016
- ▶ **AOSpine** : from 2016 to 2018
- ▶ **Société Française de la Hanche et du Genou (SFHG)** : Member from 2018. Member of the board from 2021
- ▶ **Collège Français de Chirurgie Orthopédique et Traumatologique (CFCOT)**: nov. 2022
- ▶ **Académie Nationale de Chirurgie** : member from 2020
- ▶ **American Association of Hip and Knee Surgery**: member from 2020

PEER-REVIEW JOURNAL APPOINTEMENTS - REVIEWER

- ▶ **OTSR** (Orthopaedic Traumatology Surgery and Research)
- ▶ **JBJS** (Journal of Bone and Joint Surgery, American)
- ▶ **INT ORTHOP** (International Orthopedic)

COLLABORATIONS AND RESEARCH:

- ▶ **Experimental research (UMR : Unité mixte de recherche; Mixed Research Unit):**
 - 1997-98: APHP Saint Vincent de Paul, Biomechanics Laboratory, ENSAM Paris,
 - 1998: Biomechanics Laboratory, ENSAM Paris, Euros® France, 1998..
 - 2004-2009: INSERM 583 – Institute of Neuroscience Institute of Montpellier.
 - 2011-13: INM, INSERM, INRA, CNRS 5221, UM2, UM1 – CHU Nîmes: BioNanoNMRI platform - UM2.
 - Since 2013: LMGC (Laboratory of Mechanics and Civil Engineering) - CNRS UMR 5508 UM2 / CHU Nîmes (Medical Imaging – Orthopaedic – Neurosurgery).
 - **Experimental MUSE project– 3D-Biodiv – Project leader – LMGC:** Biomechanical and mechano-biological study of the contribution of mesenchymal stem cells in the development of biomimetic prostheses of the intervertebral disc by additive manufacturing. Partners: CHU Nîmes, IRMB (Institute for Regenerative Medicine and Biotherapy, UMR1183), ICGM (Institute Charles Gerhardt Montpellier, UMR 5253), IBMM (Institute of Biomolecules Max Mousseron, UMR 5247), Company (3D MEDLAB)

► **Clinical Trials: Investments as first investigator in clinical research projects** (PHRC (Hospital Project of Clinical Research) / STIC (Support for Innovative and Expensive Techniques) / Clinical Trials).

- **NIMAO 2012** : Establishment of a descriptive cohort of patients treated for spine surgery. Observational study. Opinion of the CCTIRS and agreement of the CNIL in March 2012, IRB 11/05-01.
- **IDIL 2017 (IDIL/2017/PM-01): BIORELICA** : Evaluation After Reconstruction of the Anterior Cruciate Ligament of the Knee Using the Bioresorbable Interference Screw (SMS): Resorbability, Per- and Post-operative Complications and Articular Functional Recovery. Medical Device Development Institute (IDIL, Nîmes) 2017: [NCT03529552](#). Terminated
- **CRESPEOS (AOI) 2012** Pelvic Area Extension Measurements for Four Types of Lumbopelvic Balance Using Three Different Methods (CRESPEOS) ; ClinicalTrials.gov Identifier : [NCT01909258](#).
- **HIPEOS AOI 2018** Total hip replacement instability and lumbo-pelvic kinematics: EOS imaging assessment of the variation in spino-pelvic parameters from standing to sitting. N°EudraCT / IDRCB : 2018-A00989-46 Référence interne : AOIGCSMERRI/2017/PK-01 (cat 2 ; HPS). CPP May 19, 2018 ; Ref CPP 2018-31 ; ANSM 29/05/2018
- **NIMAO 2018 ARTHRODEGE** : Assessment from the 3rd year after lumbar spine surgery of the occurrence of disc degeneration adjacent to an operated segment according to the initial technique (arthrodesis vs. arthroplasty with disc prosthesis)», Internal Reference : [NIMAO/2018-02/PK-01 \(cat 2 ; HPS\)](#).- N°EudraCT / IDRCB :

► **Clinical Trials: Investments as first co-investigator in clinical research projects** (PHRC (Hospital Project of Clinical Research) / STIC (Support for Innovative and Expensive Techniques) / Clinical Trials)

- **NIMAO 2011** : Assessment of Postoperative Residual Laxity of the Knee by Dynamic MRI After Single or Double Bundle Ligamentoplasty. Randomized study, CPP agreement on 4 mai 2011 and Afssaps on 20 mai 2011.
- **NIMAO 2014** : Treatment of chronic anterior instability of the shoulder by Latarjet type coracoid abutment with SEM positioning sight: contribution of the CT scan in the evaluation of consolidation and the resumption of activity at 3 months. (IACE Scan). Prospective study, ocal project / 2014 RBC: 2015-A00155-44.
- **NIMAO 2015** : Comparative evaluation of two techniques for the treatment of intraoperative bacteriological specimens on osteoarticular prosthetic sepsis: method with grinding (Ultra Turrax®) versus standard method. (IOAP TURRAX) LOCAL/2015, RBC : 2015-A00720-49.
- **IPRO** : Medico-economic evaluation of one-step and two-stage surgical strategies in the treatment of chronic infections with non-multi-resistant germs on total hip and knee replacements, IPRO, HUS N° 6262, Innovation Cell Project 2015 – HUS n° 6262 N° IDRCB 2017-A03551-52 Co-investigator.
- **NIMAO 2016** : Thrombin generation and prediction of deep vein thrombosis after orthopedic prosthetic surgery of the lower limbs. Investigator : Eva Cochery-Nouvellon (Hematology).
- **HIP ATTACK 2016** International study. "Impact of Rapid Surgical Management Versus Standard Management on Perioperative Complications of Adult Hip Fractures. Multicenter Randomized Controlled Study – HIP ATTACK » Reference: Local/2016/PL-01 RCB No.: 2016-A00111-50 - Controlled, Randomized, Single-Blind, Multicenter Management Comparison Study
- **NIMAO 2018** : Clinical and Radiological Outcomes of the Anato® Rod in the Short and Medium Term » IRB 18.02.01 – 20 Mars 2018,
- **IDIL 2017** : MOBOEDEM - Evaluation of the action of MOBIDERM® on periarticular edema after total knee replacement – Pilot randomized controlled study. Source of funding: IDIL Laboratoires THUASNES Project duration (year): 1.5. Number of inclusions: 44. EudraCT / IDRCB No.: 2018-A02626-49. Internal reference: IDIL/2017/SP-01 (cat 2; HPS). MPR. Funding outside the University Hospital: THUASNES Laboratories.
- **STRIVE**: A phase 2b, randomized, double blind, placebo-controlled study evaluate the safety and efficacy of SA4Ag in adults undergoing elective posterior instrumented lumbar spinal fusion procedures. SMIT. financing PFIZER.
- **NIMAO 2019 A00305-52** : Impact of the multidisciplinary review of drug prescriptions by a pharmacist-clinician-general practitioner pair in the orthopaedic surgery department on the iatrogenic drug risk of elderly patients in the city.

► **Membership of a Labelled Research Structure**

- **Laboratory of Mechanics and Civil Engineering**, Acronym : LMGC : UM / CNRS(UMR5508), Mail : dir-lmgc@univ-montp2.fr; Tél : +33 (0)4 67 14 96 32 ; Mob : +33 (0)6 86 22 91 38

► **Leading in research team**

- **Project Title**: Biomechanical and mechanobiological study of the contribution of mesenchymal stem cells for the development of biomimetic prostheses of the intervertebral disc by additive manufacturing. Acronym: 3D-BIODIV.
- **Project leader**. Orthopaedic Department, Nîmes University Hospital – LMGC . Supervisors: University of Montpellier, Faculty of Medicine of Montpellier Nîmes. Director: Philippe Augé (UM), Michel Mondain (faculty). Project Manager: Kouyoumdjian P. `
- **Other units involved**:

Institute of Regenerative Medicine and Biotherapy

Acronym: IRMB

Supervisors: UM / INSERM / CHU Montpellier

Director: JORGENSEN Christian

Mail: christian.jorgensen@inserm.fr ; Sec. 33 (0)4 67 33 7231/7798

Institute Charles Gerhardt of Montpellier

Research unit affiliation: UM / ENSCM / CNRS

Director : DEVOISSELLE Jean-Marie

Mail : direction@icgm.fr ; Tél. 33 (0)4 67 14 40 14 ; Sec. 33 (0)4 67 14 93 50

Max Mousseron Institute of Biomolecules

Acronym: IBMM

Research unit affiliation: UM / CNRS / ENSCM

Director: DUMY Pascal

Contact information: E-mail: pascal.dumy@enscm.fr; Tel. 33 (0)4 11 75 96 02

3D MEDLAB Company

Acronym: 3D MEDLAB

Director: VOLPI Gael

Contact Details : Technoparc des Florides, bâtiment 1 team Henri Fabre , 13700 Marignane

gael.volpi@3d-medlab.com ; 0613073836

RESEARCH AGREEMENTS:

► **Research Year Contract in Medicine & Pharmacy 96/97:** ENSAM – Master2: Biological and Medical Engineering. Experimental analysis by optoelectronic system (Vicon®) of posture and movement in scoliotic children .

► **Nîmes University Hospital Contract - Euros® - ENSAM:** Partnership between LBM – ENSAM - Paris / Société EUROS, and the orthopaedic department CHU Nîmes - Implant development project leader: Kouyoumdjian P.

► **European STREP "Rescue" and "SANOFI/Neureva" Contract:**

Research programs involving my work within the INSERM unit 583, the Institute of Neurosciences of Montpellier (INM), and the biotechnology company Neureva.

→ **European Agreement STREP « Rescue » :** Stem cells and spinal cord **2006-2009**. Project manager: A. Privat (Inserm U583)

→ **Sanofi/Neureva Agreement:** Neuroprotection in spinal cord injury: **2009-2010** Project manager: A. Privat (PDG Neureva).

► **MUSE Project Contract (Leader): 2018**

Research programs involving CHU Nîmes, IRMB, ICGM, IBMM, Enterprise (3D MEDLAB)

► **IDIL 2017: BIORELICA. IDIL/2017/PM-01.**

Source of Funding: Dedienne® Laboratory. Investigator-Coordinator

► **IDIL 2022: COUSIN Biotech (VCLS/Quanta Medical)**

Source of Funding. Scientific advisor:

ACADEMIC FUNCTION

Academic Research Work Supervisor:

► **Doctoral students management:**

- 3rd year of thesis (2018; ongoing): Jonaz VASQUEZ-VILLEGAS, I2S Doctoral School - Information, Structures, Systems. Biomechanical and mechanobiological study of the contribution of mesenchymal stem cells for the development of biomimetic prostheses of the intervertebral disc by additive manufacturing. MUSE funding. Framing.

► **Post-doc Management:**

- Postdoc (NUMEV funding) 2018-19 (ongoing): Mohamed-Amine CHETOUI. Design and development of a biomimetic implant for intervertebral disc replacement

► **Master 2 Management:**

- Master 2 in Surgical Science, Neuroscience option. UM 2. N. Lonjon (Neurosurgery). Inserm Unit 583. "Development of a Spinal Cord Injury Syndrome by Compression in Rats: A Behavioral and Histopathological Study". 2006. This work was part of the RESCUE programme. Co-supervisor. Publication
- Master 2 in ICT & Health, biomedical physics course. Loubna Drissenek (Physics). Contribution to the characterization of fibrocartilage degeneration through the development of new diffusion-weighted MRI sequences. Application to the intervertebral disc in the context of spinal deformity and aging. Co-supervisor. 2014

► **Master 1 Management (nb= 2)**

Master 1 ICT (Information and Communication Technology) and Health, 2012. Ben Brik N. (Physics). Biomedical Physical Discipline. UM2. "Magnetic Resonance Imaging of Spinal Cord Injury and its Diffusion Tensor in Small Animals (Mice)". Framing

Master 1 ICT and Health, 2012. Raad J. (Physics). Biomedical Physical Discipline. UM2. "Anesthesia, Survival and Metabolic Monitoring of Small Animals Under High-Field MRI". Supervisor: Kouyoumdjian P.

► **3rd Cycle Thesis Management (nb= 1):**

Jonaz Vasquez-Villegas. Project MUSE LMGC UMR 5508. Thesis Director. Title: Exploration of the properties of microstructures to mimic the mechanical behavior of the human intervertebral disc in order to make a prosthesis by additive manufacturing .

► **Medical Thesis chairman and manager : (nb=42)**

President and/or UM1 Thesis Director (nb=12).

- 1: Interest of dynamic images for remote control of whiplash sprains. Amphonesinh Seng -Phet. Med. 16 March 2004. Director
- 2: Imaging assessment of adjacent segment degeneration after mono- or bi-segmental lumbar surgery with a disc prosthesis or ALIF-type arthrodesis. Dhenin A. Orthopedics. October 2012. Director
- 3: Imaging assessment of adjacent segment degeneration after cervical surgery with disc replacement, arthrodesis, or hybrid mounting. A. Weiss. Orthopaedic. October 28, 2014. Director

- 4: Variation in the position of the pelvis and trunk in the sagittal plane after placement of navigation-assisted total hip replacement: about 50 cases. B. Nougarede. Orthopaedic. October 13, 2016. [Director & President](#)
- 5: Influence of sacral fixation on postural parameters and functional scores in degenerative spinal pathology: about 92 cases. E. Wolff. Orthopaedic. September 28, 2017. [Director & President](#)
- 6: Total hip replacement instability and lumbo-pelvic kinematics: EOS imaging assessment of the variation in spino-pelvic parameters from standing to sitting. S. Marouby. June 28, 2019. [Director & President](#)
- 7: Is the varus positioning of the femoral component of an anatomical total hip replacement without cement, pejorative in the long term? Comparative study to the average 10-year follow-up. A. Laborde. September 18, 2019. [President](#)
- 8: Comparative evaluation of the change in radiographic parameters of spino-pelvic sagittal balance after disc replacement surgery by prosthesis, versus fusion by ALIF. V. Haignere. October 23, 2019. [Director & President](#)
- 9: Modular ABG II™ total hip replacement: long-term results, revision for ALVAL and interest of MRI trophicity measurement of periprosthetic muscles. F. Bauzou, October 23, 2019. [President](#)
- 10: MAKO Robotic Arm-Assisted Total Hip Arthroplasty: Radio-anatomical Analysis of Implant Positioning and Clinical Results at 1 Year. V. Cascales. Case-control study of 98 cases. [Director and President](#)
- 11: Innovative technique for aligning PTGs: maximum gaps. Study of a cohort on 140 subjects. J. Michaud. October 15, 2021. [President](#)
- 12: Predictors of Postoperative Pain at One Year in Patients Who Underwent MAKO Robotic Arm-Assisted Total Hip Arthroplasty: S. Pradel June 14, 2023, [President](#)

Assessor of the UM1 Thesis (nb= 29)

- 13: Clinical and radiographic analysis of a prospective series of 189 total knee replacements at two years follow-up. Timothée Bissuel (Orthopaedic, F. Canovas). Orthop.30 September 2013.
- 14: Preliminary results from a prospective and retrospective multicenter series of 72 radial head prostheses. Marie Pierre Mirois (Orthopaedic, M. Chammas). Orthop. October 22, 2013.
- 15: Validation and usefulness of navigation in total hip arthroplasty by comparative study of data with CT scan. Orthopaedic. Redha Belal. November 18, 2013
- 16: Results of the ABG 2TM prosthesis with ceramic-ceramic friction torque, with a minimum hindsight of ten years. Orthopaedic. Rémy Coulomb. Orthop.20 January 2014
- 17: Clinical and radiological evaluation of 96 acetabulum reconstructions by Kerboul-type support ring, associated or not with bone grafting. T. Sanchez. Orthop. October 22, 2014.
- 18: Interest of the femoroacetabular interrelationship in the horizontal plane and of a double anteversion of the uncemented femoral stem during total hip arthroplasty (about 76 cases of primo implantation of the ANATO® stem). Orthopaedic. R. Gamain. Orthop.17 June 2016
- 19: Osteosynthesis of Acetabulum Fractures: Functional Assessment, Derogatory Factors, and Complications. Orthopaedic. T. Rodriguez. Orthop.19 September 2016
- 20: Interest of the modular cervix in total hip arthroplasty. Comparison between preoperative radiographic planning and postoperative data: about 190 joint replacements. E. Maury. Orthop.5 October 2016.
- 21: Tenoarthrolysis of the proximal interphalangeal joint in the surgical treatment of Dupuytren's disease: long-term outcomes. Orthop. E. Perrault. 21 October 2016
- 22: Evaluation of dural sac density on CT in the diagnosis of narrowed lumbar canal. Medical imaging. P. Peyraut. Orthop.10 March 2017
- 23: Long-term functional and radiographic evaluation of externally closed valgisation tibial osteotomies in the treatment of internal femoral and tibial knee osteoarthritis on genu varum: study of a series of 80 osteotomies at more than 12 years of follow-up. Clément Granier. Orthop. June 20, 2017.
- 24: Evaluation of extended femoral pressfit in hip prosthetic revisions by an uncemented right femoral stem. L. Chadli. Orthop.17 October 2017
- 25: Locomotor shoulder rotator cuff repair. Lionel Taieb. Orthop. October 20, 2017
- 26: Osteoarticular Staphylococcus aureus infections on equipment: evaluation of the duration of intravenous antibiotic therapy in the initial management Hélène Boclé. SMIT. October 26, 2017
- 27: Survival curve of trapezoid-metacarpal prostheses at more than 15 years of hindsight. L. Chiche. Orthop. September 28, 2018.
- 28: Experimental Study on the Effect of Distraction on Gait Complexity in Chronic Low Back Pain Patients Alexis Homs. MPR. April 8, 2019.
- 29: Clinical and radiographic evaluation of a series of 114 Acuta® femoral prostheses with modular neck in hip prosthetic surgery on dysplastic femur and in total hip replacement revisions. Camille Sleth. Orthop. September 27, 2019.
- 30: Evaluation of an Augmented Stress Stabilized Posterior Knee Prosthesis (LCCK).® Léo Nanty. Orthop.11 October 2019.
- 31: Evaluation of the osteoarticular reducibility of postural disorders in Parkinson's. F Baumann. MPR. October 15, 2020.
- 32: Monotronic Traumatic Axillary Nerve Injuries: Prognostic Factors and Kinematics of Recovery. Paul Vial d'Allais. Orthop. 01 March 2021
- 33: EVAN-LR Score Assessment of Upper Limb Surgery Patient Satisfaction Under Walant: Prospective Observational Study, Walant Study. Victor Meunier. Anesth. May 28, 2021.

- 34: Analgesic Efficacy of Spine Erector Block for Lumbar Spinal Surgery: Randomized, Placebo-Controlled, Double-Blind Anatomical and Clinical Study. Geoffrey Avis. *Anesth.* September 27, 2021.
- 35: Effects of Free Anesthesia using Peng Block on post-operative period in Total Hip Surgery: a retrospective matched case-control study. Benjamin Machelart. *Anesth.* 27 September 2021.
- 36: Predictors of poor clinical outcomes of anatomical total shoulder prostheses in the medium term. Olivier Bozon. *Orthop.* September 29, 2021
- 37: Follow-up of 1399 femoral rod 6 mounted implanted as part of a first-line total hip replacement between 2007 and 2014. Lisa André. *Orthop.* October 11, 2021.
- 38: Comparison by meta-analysis of the medium- and long-term outcomes of first row carpal bone resections and four-bone scaphoidectomies-arthrodesis. Pierre Emmanuel Chammas. *Orthop.* October 14, 2021
- 39: Revision surgery for bone grafting after osteosynthesis of IBBIUM pilon fractures type C of AO: incidence, outcome, and risk factors. Mathilde Gatti. *Orthop.* October 14, 2021.
- 40: Clinical and radiological outcome of 35 patellofemoral prostheses at a mean follow-up of 6 years. Romain Teruel. *Orthop.* October 15, 2021
- 41: Influence of Postoperative Frontal Alignment of the Lower Extremity and Femoral Obliquity Variation on Functional Outcomes After Primary Total Knee Replacement. Guillaume Karl. October 15, 2021.

Assessor of the Thesis Jury outside UM1. (nb= 1)

1. Posterolateral arthrodesis versus dynamic stabilization by Dynesys®: a retrospective study with a minimum follow-up of 5.5 years. Simon Bredin. *Orthop.* 20 January 2017

► PhD Assessor or Reporder

- PhD Julien Wegrzyn. Lyon 24 Oct 2017
- PhD. Benjamin Blondel. Marseille, 15 October 2015
- PhD Cécile Batailler. Lyon 27 June 2022

SCIENTIFIC ACTIVITY.

PUBLICATIONS (PubMed since 1996; nb= 72)

1. The superficial peroneal nerve at the foot. Organization, surgical applications. Canovas F, Bonnel F, Kouyoumdjian P. *Surg Radiol Anat* 1996; 18: 241-244A; PMID: 8873341
2. Centering of cervical disc replacements: usefulness of intraoperative anteroposterior. Fluoroscopic guidance to center cervical disc replacements: study on 20 Discocerv® (Scient'X prosthesis). Kouyoumdjian P, Bronsard N, Vital J.M, Gille O. *Spine.* 2009 Jul 1; 34(15): 1572-7. doi: [10.1097/BRS.0b013e3181aa1e87](https://doi.org/10.1097/BRS.0b013e3181aa1e87)
3. Long-term results of the ABG-1 hydroxyapatite coated total hip arthroplasty: analysis of 111 cases with a minimum follow-up of 10 years. Bidar R, Kouyoumdjian P, Munini E, Asencio G. *Orthop Traumatol Surg Res.* 2009 Dec; 95(8): 579-87. doi: [10.1016/j.otsr.2009.10.001](https://doi.org/10.1016/j.otsr.2009.10.001)
4. Early functional outcomes and histological analysis after spinal cord compression injury in rats. Lonjon N, Kouyoumdjian P, Prieto M, Bauchet L, Haton H, Gaviria M, Privat A, Perrin F. *J Neurosurg Spine.* 2010 Jan; 12(1): 106-13. PMID: 20043773. doi: [10.3171/2009.7.SPINE0989](https://doi.org/10.3171/2009.7.SPINE0989)
5. A remotely controlled model of spinal cord compression injury in mice: towards real-time analysis. Kouyoumdjian P, Lonjon N, Prieto M, Haton H, Privat A, Asencio G, Perrin F. et Gaviria M. *J Neurosurg Spine.* 2009 Oct; 11(4): 461-70. PMID: 19929343. doi: [10.3171/2009.4.SPINE0979](https://doi.org/10.3171/2009.4.SPINE0979)
6. Clinical evaluation of hip joint rotation range of motion in adults. Kouyoumdjian P, Coulomb R, Sanchez T, Asencio G. *Orthop Traumatol Surg Res.* 2012 Feb; 98(1):17-23. Epub 2012 Jan 9. PMID: 22227606 doi: [10.1016/j.otsr.2011.08.015](https://doi.org/10.1016/j.otsr.2011.08.015)
7. Total ankle arthroplasty and coronal plane deformities. Trincat S., Kouyoumdjian P, Asencio G. *Orthop Traumatol Surg Res.* 2012 Feb; 98(1):75-84. doi: [10.1016/j.otsr.2011.10.007](https://doi.org/10.1016/j.otsr.2011.10.007)
8. Fracture of the lower cervical spine in patients with ankylosing spondylitis: a retrospective study of 19 cases. Kouyoumdjian P, Vital J.M, Asencio G, Gille O. *Orthop Traumatol Surg Res.* 2012 Sep; 98(5):543-51. Epub 2012 Aug 1. PMID: 22858111. doi: [10.1016/j.otsr.2012.03.011](https://doi.org/10.1016/j.otsr.2012.03.011)
9. Active aneurysmal bone cysts in children: Louahem D, Kouyoumdjian P, Ghanem I, Mazeau P, Perrochia H, L'kaissi M, Cottalorda, J. *J Child Orthop.* 2012 Aug; 6(4):333-8. Epub 2012 Jul 21. PMID: 23904901. doi: [10.1007/s11832-012-0424-0](https://doi.org/10.1007/s11832-012-0424-0)
10. Neuromuscular adaptations after a rehabilitation program in patients with chronic low back pain: case series (uncontrolled longitudinal study). Dupeyron A, Dematter C, Kouyoumdjian P, Missenard O, Micallef JP, Perrey S. *BMC Musculoskelet Disord.* 2013 Sep 24; 14:277. PMID: 24063646. doi: [10.1186/1471-2474-14-277](https://doi.org/10.1186/1471-2474-14-277)
11. Cervical vertebral osteoradionecrosis: Surgical management, complications, and flap coverage: A case report and brief review of the literature. Kouyoumdjian P, Gille O, Aurouer N, Soderlund C, Vital J.M. *Eur Spine J.* 2009 Jul; 18 Suppl 2:258-64. doi: [10.1007/s00586-009-0950-8](https://doi.org/10.1007/s00586-009-0950-8)
12. The TESS Reverse Shoulder Arthroplasty without stem, in the treatment of cuff-deficient shoulder conditions: clinical and radiographic results.

- Teissier P, Teissier J, Kouyoumdjian P, Asencio G. *J Shoulder Elbow Surg.* 2015 Jan;24(1): 45-51. Epub 2014 Jul 11. doi: [10.1016/j.jse.2014.04.005](https://doi.org/10.1016/j.jse.2014.04.005).
13. A preliminary in vivo assessment of anterior cruciate ligament- deficient knee kinematics with the KneeM device: a new method to assess rotatory laxity using open MRI. Tardy N, Marchand P, Kouyoumdjian P, Blin D, Demattei C et Asencio G. *Orthop J Sports Med.* 2014 Mar 13;2(3):2325967114525583. eCollection 2014 Mar. PMID: 26535309. doi: [10.1177/2325967114525583](https://doi.org/10.1177/2325967114525583)
 14. Effect of a kneeling chair on lumbar curvature in patients with low back pain and healthy controls: A pilot study. Vaucher M, Isner-Horobeti ME, Demattei C, Alonso S, Herisson C, Kouyoumdjian P, van Dieën JH, Dupeyron A. *Ann Phys Rehabil Med.* 2015 Jun;58(3):151-6. Epub 2015 May 5. PMID: 25956202. doi: [10.1016/j.rehab.2015.01.003](https://doi.org/10.1016/j.rehab.2015.01.003)
 15. Living Lab MACVIA Handicap. Laffont I, Jourdan C, Corioan F, Blain H, Carre V, Viollet E, Tavares I, Fattal C, Gelis A, Nouvel F, Bakhti K, Cros V, Patte K, Schifano L, Porte M, Galano E, Dray G, Fouletier M, Rivier F, Morales R, Labauge P, Camu W, Combe B, Morel J, Froger J, Coulet B, Cottalorda J, Kouyoumdjian P, Jonquet O, Landreau L, Bonnin HY, Hantkié O, Nicolas P, Enjalbert M, Leblond C, Soua B, Coignard P, Guiraud D, Azevedo C, Mottet D, Fraisse P, Pastor E, Mercier J, Bourret R, Bousquet J, Pélissier J, Bardy B, Herisson C, Dupeyron A. *Presse Med.* 2015 Nov;44 Suppl 1:S60-9. Epub 2015 Oct 21. PMID: 26482491. doi: [10.1016/j.lpm.2015.07.007](https://doi.org/10.1016/j.lpm.2015.07.007).
 16. Living Lab MACVIA Handicap. Laffont I, Jourdan C, Corioan F, Blain H, Carre V, Viollet E, Tavares I, Fattal C, Gelis A, Nouvel F, Bakhti K, Cros V, Patte K, Schifano L, Porte M, Galano E, Dray G, Fouletier M, Rivier F, Morales R, Labauge P, Camu W, Combe B, Morel J, Froger J, Coulet B, Cottalorda J, Kouyoumdjian P, Jonquet O, Landreau L, Bonnin HY, Hantkié O, Nicolas P, Enjalbert M, Leblond C, Soua B, Coignard P, Guiraud D, Azevedo C, Mottet D, Fraisse P, Pastor E, Mercier J, Bourret R, Bousquet J, Pélissier J, Bardy B, Herisson C, Dupeyron A. *Presse Med.* 2015 Nov;44 Suppl 1:S6-22. Epub 2015 Oct 21. PMID: 26497423. doi: [10.1016/j.lpm.2015.07.013](https://doi.org/10.1016/j.lpm.2015.07.013)
 17. Assessment of the radiation exposure of surgeons and patients during a lumbar microdiscectomy and a cervical microdiscectomy: a French prospective multicenter study. Grelat M, Greffier J, Sabatier P, Dauzac C, Lonjon G, Debono B, Le Roy J, Kouyoumdjian P & Lonjon N. *World Neurosurg.* 2016 May; 89:329-36. Epub 2016 Feb 12. PMID: 26875649. doi: [10.1016/j.wneu.2016.02.021](https://doi.org/10.1016/j.wneu.2016.02.021)
 18. Clinical results of endoscopic treatment without repair for partial thickness gluteal tears. Coulomb R, Essig J, Mares O, Asencio G, Kouyoumdjian P, May O. *Orthop Traumatol Surg Res.* 2016 May;102(3):391-5. Epub 2016 Mar 3. doi: [10.1016/j.otsr.2016.01.007](https://doi.org/10.1016/j.otsr.2016.01.007)
 19. Surgeon's and Patient's Radiation Exposure Through Vertebral Body Cement Augmentation Procedures: A Prospective Multicentric Study of 49 Cases. Lonjon N, Le Corre M, Le Roy J, Greffier J, Fuentes S, Tonetti J, Charles YP, Blondel B, Kouyoumdjian P. *World Neurosurg.* 2016 Sep;93:371-6. Epub 2016 Jun 1. PMID: 27262652. doi: [10.1016/j.wneu.2016.05.070](https://doi.org/10.1016/j.wneu.2016.05.070)
 20. Periprosthetic fracture in the elderly with anatomic modular cementless hemiarthroplasty. Kouyoumdjian P, Dhenin A, Dupeyron A, Coulomb R, Asencio G. *Orthop Traumatol Surg Res.* 2016 Oct;102(6):701-5. Epub 2016 Aug 3. doi: [10.1016/j.otsr.2016.05.01](https://doi.org/10.1016/j.otsr.2016.05.01).
 21. Surgical exposures for distal radius fractures. Mares O, Coulomb R, Lazerges C, Bosch C, Kouyoumdjian P. *H and Surg Rehabil.* 2016 Dec; 35S:S39-S43. Epub 2016 Oct 27. doi: [10.1016/j.hansur.2016.03.007](https://doi.org/10.1016/j.hansur.2016.03.007)
 22. Early results of total hip arthroplasty using dual-mobility cup in patients with osteonecrosis of the femoral head. Assi C, Kheir N, Samaha C, Kouyoumdjian P & Yammine K. *SICOT J.* 2018;4:37. Epub 2018 Sep 3. PMID: 30176166. doi: [10.1051/sicotj/2018039](https://doi.org/10.1051/sicotj/2018039)
 23. Does endoscopic piriformis tenotomy provide safe and complete tendon release? A cadaver study. Coulomb R, Khelifi A, Bertrand M, Mares O, May O, Marchand P, Kouyoumdjian P. *Orthop Traumatol Surg Res.* 2018 Dec;104(8):1193-1197. Epub 2018 May 28. doi: [10.1016/j.otsr.2018.02.018](https://doi.org/10.1016/j.otsr.2018.02.018)
 24. Surgeon's and Patient's Radiation Exposure Through Vertebral Body Cement Augmentation Procedures: A Prospective Multicentric Study of 49 Cases. Kouyoumdjian P, Gras-Combe G, Grelat M, Fuentes S, Blondel B, Tropiano P, Zairi F, Beaurain J, Charles YP, Dhenin A, Elfertit H, Le Roy J, Greffier J, Lonjon N. *Orthop Traumatol Surg Res.* 2018 Sep;104(5):597-602. Epub 2018 Jun 30. doi: [10.1016/j.otsr.2018.05.009](https://doi.org/10.1016/j.otsr.2018.05.009)
 25. Arthroscopic Dorsal Capsuloplasty in Scapholunate Tears EWAS 3: Preliminary Results after a Minimum Follow-up of 1 Year. Degeorge B, Coulomb R, Kouyoumdjian P, Mares O. *J Wrist Surg.* 2018 Sep;7(4):324-330. Epub 2018 Jun 8. doi: [10.1055/s-0038-1660446](https://doi.org/10.1055/s-0038-1660446)
 26. Bilateral simultaneous endoscopic carpal tunnel release: Mean time to resume activities of daily living and return to work. Degeorge B, Coulomb R, Kouyoumdjian P, Mares O. *Hand Surg Rehabil.* 2018 Jun;37(3):175-179. Epub 2018 Mar 19. PMID: 29567083. doi: [10.1016/j.hansur.2017.12.006](https://doi.org/10.1016/j.hansur.2017.12.006).
 27. C1 fracture: Analysis of consolidation and complications rates in a prospective multicenter series. Llleu M, Charles YP, Blondel B, Barresi L, Nicot B, Challier V, Godard J, Kouyoumdjian P, Lonjon N, Marinho P, Freitas E, Schuller S, Fuentes S, Allia J, Berthiller J, Barrey C. *Orthop Traumatol Surg Res.* 2018 Nov;104(7):1049-1054. Epub 2018 Oct 9. doi: [10.1016/j.otsr.2018.06.014](https://doi.org/10.1016/j.otsr.2018.06.014)
 28. Mortality, complication, and fusion rates of patients with odontoid fracture: the impact of age and comorbidities in 204 cases. Charles YP, Ntilkina Y, Blondel B, Fuentes S, Allia J, Bronsard N, Llleu M, Nicot B, Challier V, Godard J, Kouyoumdjian P, Lonjon N, Marinho P, Berthiller J, Freitas E, Barrey C. *Arch Orthop Trauma Surg.* 2019 Jan;139(1):43-51. doi: [10.1007/s00402-018-3050-6](https://doi.org/10.1007/s00402-018-3050-6). Epub 2018 Oct 13.
 29. Percutaneous arthroscopic calcaneal osteosynthesis for displaced intra-articular calcaneal fractures: Systematic review and surgical technique. Marouby S, Cellier N, Mares O, Kouyoumdjian P, Coulomb R. *Foot Ankle Surg* 2020 Jul;26(5):503-508. Epub 2019 Jul 10. PMID: 31320206 doi: [10.1016/j.fas.2019.07.002](https://doi.org/10.1016/j.fas.2019.07.002)
 30. Feasibility of a new arthroscopic shelf acetabuloplasty technique for hip instability related to moderate dysplasia. Coulomb R, Wolff E, Mares O, Marchand P, Kouyoumdjian P. *Orthop Traumatol Surg Res.* 2019 May;105(3):441-444. Epub 2019 Feb 26. doi: [10.1016/j.otsr.2019.01.004](https://doi.org/10.1016/j.otsr.2019.01.004)
 31. Do clinical results of arthroscopic subtalar arthrodesis correlate with CT fusion ratio? Coulomb R, Hsayri E, Nougarede B, Marchand P, Mares O,

- Kouyoumdjian P, Cellier N. Orthop Traumatol Surg Res. 2019 Oct;105(6):1125-1129. Epub 2019 Mar 23. PMID: 30910625. doi: 10.1016/j.otsr.2019.01.017
32. Anterior cervical spine surgical site infection and pharyngoesophageal perforation. Ten-year incidence in 1475 patients. Gamain R, Coulomb R, Houzir K, Molinari N, Kouyoumdjian P, Lonjon N. *Orthop Traumatol Surg Res.* 2019 Jun;105(4):697-702. Epub 2019 April 12. doi: 10.1016/j.otsr.2019.02.018
 33. Hangman's fracture: Management strategy and healing rate in a prospective multi-center observational study of 34 patients. Prost S, Barrey C, Blondel B, Fuentes S, Barresi L, Nicot B, Challier V, Lléu M, Godard J, Kouyoumdjian P, Lonjon N, Marinho P, Freitas E, Schuller S, Allia J, Berthiller J, Charles YP; French Society for Spine Surgery (SFCR). *Orthop Traumatol Surg Res.* 2019 Jun;105(4):703-707. Epub 2019. April 17. doi: 10.1016/j.otsr.2019.03.009
 34. Prospective Evaluation of Spino-Pelvic Parameters with Clinical Correlation in Patients Operated with an Anterior Lumbar Interbody Fusion. Marouby S, Coulomb R, Maury E, Assi C, Mares O, Kouyoumdjian P. *Asian Spine J.* 2019 Oct 15. doi: 10.31616/asj.2019.0041.
 35. Hinged total knee arthroplasty for fracture cases: Retrospective study of 52 patients with a mean follow-up of 5 years. Kouyoumdjian P, Coulomb R, D'Ambrosio A., Ravoyard S., Cavaignac E., Pasquier G., Ehlinger M. et la SOFCOT. *Orthop Traumatol Surg Res.* 2020 May;106(3):389-395. doi: 10.1016/j.otsr.2019.11.029. Epub 2020 Apr 4
 36. Pelvic parameters and sagittal alignment in people with chronic low back pain and active discopathy (Modic 1 changes): a case-control study. Rabbo FB, Kouyoumdjian P, Coste N, Coll G, Sakka L, Dupeyron A. *Ann Phys Rehabil Med.* 2020 Jun 11;S1877-0657(20)30115 doi: 10.1016/j.rehab.2020.05.007
 37. Valgus slipped capital femoral epiphysis: a systematic review. Assi C, Mansour J, Kouyoumdjian P, Yammine K. *J Pediatr Orthop B.* 2020 Jun 15. PMID: 32558777. doi: 10.1097/BPB.0000000000000758
 38. Angular limit for coronal joint deformity correction using intramedullary guidance in total knee arthroplasty. A pilot study. Assi C, Mansour J, Samaha C, Kouyoumdjian P, Yammine K. *SICOT J.* 2020;6:22. Epub 2020 Jun 24. PMID: 32579106 doi: 10.1051/sicotj/2020019
 39. Post-operative opioid-related adverse events with intravenous oxycodone compared to morphine: A randomized controlled trial. Cuvillon P, Alonso S, L'Hermite J, Reubrecht V, Zoric L, Vialles N, Luc Faillie J, Kouyoumdjian P, Boisson C, Raux M, Langeron O. *Acta Anaesthesiol Scand.* 2020 Aug 13. Online ahead of print. PMID: 32790073 doi: 10.1111/aas.13685
 40. Ultrasound-Guided Percutaneous Iliotibial Band Release for External Coxa Saltans: A Cadaveric Study. Coulomb R, Cascales V, Mares O, Bertrand MM, George DA, Kouyoumdjian P. *J Ultrasound Med.* 2020 Dec 19. Online ahead of print. doi: 10.1002/jum.15595
 41. Current concepts in robotic total hip arthroplasty. Kouyoumdjian P, Mansour J, Assi C, Caton J, Lustig S, Coulomb R. *SICOT J.* 2020;6:45.. Epub 2020 Nov 27. doi: 10.1051/sicotj/2020041
 42. Arthroscopic iliopsoas tenotomies: a systematic review of surgical technique and outcomes. Coulomb R, Nougarede B, Maury E, Marchand P, Mares O, Kouyoumdjian P. *Hip Int.* 2022 Jan;32(1):4-11. Epub 2020 Nov 23. PMID: 33226846 doi: 10.1177/1120700020970519
 43. Ultrasound-Guided Percutaneous Iliotibial Band Release for External Coxa Saltans: A Cadaveric Study. Coulomb R, Cascales V, Mares O, Bertrand MM, George DA, Kouyoumdjian P. *J Ultrasound Med.* 2020 Dec 19. doi: 10.1002/jum.15595
 44. C1-C2 Injury: Factors influencing mortality, outcome, and fracture healing. Barrey CY, di Bartolomeo A, Barresi L, Bronsard N, Allia J, Blondel B, Fuentes S, Nicot B, Challier V, Godard J, Marinho P, Kouyoumdjian P, Lléu M, Lonjon N, Freitas E, Berthiller J, Charles YP. *Eur Spine J.* 2021 Feb 26.. Online ahead of print. PMID: 33635376 doi: 10.1007/s00586-021-06763-x
 45. Clinical features and outcome of Streptococcus agalactiae bone and joint infections over a 6-year period in a French university hospital. Loubet P, Koumar Y, Lechiche C, Cellier N, Schuldiner S, Kouyoumdjian P, Lavigne JP, Sotto A. *PLoS One.* 2021 Mar 12;16(3):e0248231.. eCollection 2021. PMID: 33711071 doi: 10.1371/journal.pone.0248231
 46. Trapezometacarpal (TMC) arthroplasty under Wide Awake Local Anesthesia with No Tourniquet (WALANT) versus Local Anesthesia with peripheral nerve blocks (LAPNV): Perioperative pain and early functional results in 30 patients. Moscato L, Laborde A, Kouyoumdjian P, Coulomb R, Mares O. *Hand Surg Rehabil.* 2021 Sep;40(4):453-457. Epub 2021 Mar 26. PMID: 33775887 doi: 10.1016/j.hansur.2021.03.006
 47. Effectiveness of early switching from intravenous to oral antibiotic therapy in Staphylococcus aureus prosthetic bone and joint or orthopedic metalware-associated infections. Boclé H, Lavigne JP, Cellier N, Crouzet J, Kouyoumdjian P, Sotto A, Loubet P. *BMC Musculoskelet Disord.* 2021 Mar 30;22(1):315. PMID: 33784991 . doi: 10.1186/s12891-021-04191-y
 48. Femoral head mosaicplasty by direct anterior approach for an osteochondral impaction without performing surgical hip dislocation. Coulomb R, Alrubaie A, Haignere V, Kouyoumdjian P. *SICOT J.* 2021;7:22.. Epub 2021 Mar 26. PMID: 33812469 doi: 10.1051/sicotj/2021014
 49. Some undesirable traps which can mislead the pathologist. Mercier V, Sasso M, Kouyoumdjian P, Sizaret D, Benzimra S, Gonzalez S, Desoubreaux G. *J Clin Pathol.* 2021 Apr 30; jclinpath-2021-207438. Online ahead of print. PMID: 33931564 doi: 10.1136/jclinpath-2021-207438
 50. Rehabilitation and lumbar surgery: the French recommendations for clinical practice. Dupeyron A, Ribinik P, Rannou F, Kabani S, Demoulin C, Dufour X, Foltz V, Godard J, Huppert J, Nizard J, Petit A, Silvestre C, Kouyoumdjian P, Coudeyre E. *Ann Phys Rehabil Med.* 2021 Jun 27:101548. Online ahead of print. PMID: 34192564 doi: 10.1016/j.rehab.2021.101548
 51. Analysis of apex and transitional vertebra of the spine according to pelvic incidence using orientation and position parameters. Roscop C, Mathio P, Gajny L, Kouyoumdjian P, Skalli W, Gille O. *Eur Spine J.* 2021 Jul 8. Online ahead of print. PMID: 34236504 doi: 10.1007/s00586-021-06908-y
 52. The impact of WALANT anesthesia and office-based settings on patient satisfaction after carpal tunnel release: a patient reported outcome study.

- Moscato L, Helmi A, Kouyoumdjian P, Lalonde D, Mares O. *Orthop Traumatol Surg Res*. 2021 Oct 26;103134.. Online ahead of print. PMID: 34715390 doi: [10.1016/j.otsr.2021.103134](https://doi.org/10.1016/j.otsr.2021.103134)
53. Varus stem positioning does not affect long-term functional outcome in cementless anatomical total hip arthroplasty. Coulomb R, Laborde A, Haignere V, Bauzou F, Marchand P, Kouyoumdjian P. *Arch Orthop Trauma Surg*. 2022 Jan 6.. Online ahead of print. PMID: 34989837 doi: [10.1007/s00402-021-04320-1](https://doi.org/10.1007/s00402-021-04320-1)
 54. Do Modular Dual Mobility Cups Offer a Reliable Benefit? Minimum 5-Year Follow-Up of the First 102 Modular Tritanium-MDM Cups. Epinette JA, Coulomb R, Pradel S, Kouyoumdjian P. *J Arthroplasty*. 2022 Jan 19:S0883-5403(22)00027-4.. Online ahead of print. PMID: 35065216 doi: [10.1016/j.arth.2022.01.025](https://doi.org/10.1016/j.arth.2022.01.025)
 55. Hip-Spine Relationship between Sagittal Balance of the Lumbo-Pelvi-Femoral Complex and Hip Extension Capacity: An EOS Evaluation in a Healthy Caucasian Population. Kouyoumdjian P, Mansour J, Haignere V, Demattei C, Maury E, George D, Coulomb R *Global Spine J*. 2022 May 23;21925682221103831. doi:[10.1177/21925682221103831](https://doi.org/10.1177/21925682221103831).
 56. Patient satisfaction after distal upper limb surgery under WALANT versus axillary block: A propensity -matched comparative cohort study. Meunier V, Mares O, Gricourt Y, Simon Y, Kouyoumdjian P, Cuvillon P. *Hand Surg Rehabil* 2022 Oct;41(5):576-581. doi: [10.1016/j.hansur.2022.06.005](https://doi.org/10.1016/j.hansur.2022.06.005). Epub 2022 Jul 6.
 57. Hip-Spine Relationship between Sagittal Balance of the Lumbo-Pelvi-Femoral Complex and Hip Extension Capacity: An EOS Evaluation in a Healthy Caucasian Population. Gille O, Skalli W, Mathio P, Kouyoumdjian P, Boishardy A, Gajni L, Roscop C. *Spine* . 2022 Aug 15;47(16):E551-E559. doi: [10.1097/BRS.0000000000004366](https://doi.org/10.1097/BRS.0000000000004366). Epub 2022 Jul 14.
 58. Clinical results at 10 Years of minimal follow-up with the ABG2 hip arthroplasty matched with ceramic-on-ceramic bearings. Coulomb R, Mansour J, Essig J, Demattei C, Asencio G, Kouyoumdjian P. *SICOT J*. 2022;8:32. doi: [10.1051/sicotj/2022032](https://doi.org/10.1051/sicotj/2022032). Epub 2022 Aug 15.
 59. Surgical videos on the internet is it a reliable pedagogical tool in the residency training. Gherisi A, Mansour J, Marchand P, Alrubaie A C, Kouyoumdjian P, Coulomb R. *SICOT J*. 2022;8:39. doi: [10.1051/sicotj/2022039](https://doi.org/10.1051/sicotj/2022039). Epub 2022 Sep 22
 60. Surgical Percutaneous ultrasound-guided ulnar nerve release technique compared to open technique: A cadaveric study. Mansour J, Ghanimeh J, Gherisi A, Moutinot B, Coulomb R, Kouyoumdjian P, Mares O. *SICOT J*. 2022;8:40. doi: [10.1051/sicotj/2022041](https://doi.org/10.1051/sicotj/2022041). Epub 2022 Sep 26.
 61. Image-based robotic-assisted total hip arthroplasty through direct anterior approach allows a better orientation of the acetabular cup and a better restitution of the center of rotation than a conventional procedure. Foissey C, Batailler C, Coulomb R, Giebaly DE, Coulin B, Lustig S, Kouyoumdjian P *SICOT J*. 2022;8:40. doi: [10.1051/sicotj/2022041](https://doi.org/10.1051/sicotj/2022041). Epub 2022 Sep 26.
 62. Correction Notice to Surgical videos on the internet is it a reliable pedagogical tool in the residency training. Gherisi A, Mansour J, Marchand P, Alrubaie A C, Kouyoumdjian P, Coulomb R. *SICOT J*. 2022;8:47. doi: [10.1051/sicotj/2022047](https://doi.org/10.1051/sicotj/2022047). Epub 2022 Dec 16.
 63. Impact of extracellular matrix and collagen network properties on the cervical intervertebral disc response to physiological loads: A parametric study. Chetoui MA, Ambard D, Canadas P, , Kouyoumdjian P, Royer P, Le Floc'h S. *Med Eng Phys*. 2022 Dec;110:103908. doi: [10.1016/j.medengphy.2022.103908](https://doi.org/10.1016/j.medengphy.2022.103908). Epub 2022 Oct 15. PMID: 36564135
 64. Influence of kinematics of the lumbopelvic complex in hip arthroplasty dislocation: from assessment to recommendations. Kouyoumdjian P , Mansour J, Marouby S., Canovas F, Dagneaux L, Coulomb R. *Arch Orthop Trauma Surg*. 2023 Jan 31. doi: [10.1007/s00402-022-04722-9](https://doi.org/10.1007/s00402-022-04722-9).
 65. Less than 1.5 cm shortening in clavicle midshaft fracture has long-term functional impact. Pradel S, Brunaud M, Coulomb R Kouyoumdjian P, Mares O. *Orthop Traumatol Surg Res*. 2023 Mar 9;103590. doi: [10.1016/j.otsr.2023.103590](https://doi.org/10.1016/j.otsr.2023.103590).
 66. A percutaneous ultrasound-guided iliotibial band release technique reduces surgical time and costs compared to an endoscopic technique. Coulomb R, Cascales V, Mares O, Martin M Bertrand M, Marchand P, Kouyoumdjian P. *Knee Surg Sports Traumatol Arthrosc*. 2023 Apr 12. doi: [10.1007/s00167-023-07366-3](https://doi.org/10.1007/s00167-023-07366-3).
 67. Arthroscopic reduction and internal fixation (ARIF) for talar body fractures. Cellier N, Sleth C, Bauzou F, Kouyoumdjian P, Coulomb R. *SICOT J*. 2023;9:20. doi: [10.1051/sicotj/2023017](https://doi.org/10.1051/sicotj/2023017). Epub 2023 Jun 23.
 68. The influence of the sacral slope on pelvic kinematics and clinical manifestations in femoroacetabular impingement. M. Bordes, M. Thaumat, E. Maury, N. Bonin, O. May, N. Tardy, P. Martz, JE Gedouin, Kouyoumdjian P, N. Krantz, Rémy Coulomb; la Société francophone d'arthroscopie (SFA). *Orthop Traumatol Surg Res*. 2023 Sep 20;103688. doi: [10.1016/j.otsr.2023.103688](https://doi.org/10.1016/j.otsr.2023.103688).
 69. Radiological signs of femoroacetabular impingement are linked to pelvic version in asymptomatic subjects : R. Coulomb, J. Michaud, E. Maury, N. Bonin, N. Krantz, O. May, M. Thaumat, M. Bordes, N. Tardy, P. Martz, JE Gedouin, E. Chapron, Kouyoumdjian P; Francophone Arthroscopy Society (SFA) *Orthop Traumatol Surg Res*. 2023 Dec;109(8S):103719. doi: [10.1016/j.otsr.2023.103719](https://doi.org/10.1016/j.otsr.2023.103719). Epub 2023 Oct 18.
 70. How the hip-spine relationship influences total hip arthroplasty. Kouyoumdjian P. *Orthop Traumatol Surg Res*. 2023 Nov 22;103773. doi: [10.1016/j.otsr.2023.103773](https://doi.org/10.1016/j.otsr.2023.103773). Online ahead of print.
 71. Short-term functional outcomes of robotic-assisted TKA are better with functional alignment compared to adjusted mechanical alignment: Michaud J, Marchand P, Kouyoumdjian P, Coulomb R. *SICOT J* 2024;10:2. doi: [10.1051/sicotj/2024002](https://doi.org/10.1051/sicotj/2024002). Epub 2024 Jan 18.
 72. Demineralized Bone Matrix Fibers plus Allograft Bone for Multilevel Posterolateral Spine Fusion: a Game Changer? Bodin A, Barnouin L, Coulomb R, Haignere V, Kouyoumdjian P, *Open Journal of Orthopedics*, 2024 To be published.

POSTERS:

- Poster1.** Stabilisation Postérieure des fractures thoraco-lombaires. Une étude expérimentale. Kouyoumdjian P. IXème Cours sur "la chirurgie rachidienne et l'instrumentation Euros" avec exposés théoriques, participation aux travaux pratiques, au laboratoire d'anatomie et table ronde. Marseille, 04-07 Mai 2000.
- Poster2.** Épidémiologie des fractures du coude de l'enfant : A propos de 413 traumatismes du coude. Kouyoumdjian P., Louahem D, Assi C, Diméglio A. Paris, SOFCOT 1999.
- Poster3.** Antéversion fémorale avant et après prothèses totales de hanches à tige anatomique : pertinence de l'évaluation par tomodensitométrie. Munini E, Kouyoumdjian P., Asencio G. Paris SOFCOT 2009.
- Poster4.** Residual stress in pig intervertebral discs. A preliminary study. Le Floc'h S, Ambard D, Baldit A, Kouyoumdjian P., Cañadas P, Cherblanc. European Congress Biomechanics 2016
- Poster5.** Award EFFORT 2023 "Short-Term Clinical Influence of a ligament Specific Versus A bone Systematic Alignment In Robotic Total Knee Replacement. EFFORT 2023 award of the Best Walking poster: Kouyoumdjian P., J. Michaud, Ph Marchand, R. Coulomb.
- Poster6.** A personalized Femoral Anteversion Optimizes the Simulated Total Hip Arthroplasty Range of Motion Compared to Fixed Anteversions. EFFORT 2023 Kouyoumdjian P., M. Alsuwaidi, A. Marquant, P. Marchand R. Coulomb.

PATENTS

- Patent 1 : Intervertebral disc prosthesis (FR2916962). Inventor and depositor.
- Patent 2 : Spinal implant with lockable ball link (FR2010/000142). Inventor and Applicant

ABSTRACTS & COMMUNICATIONS

- Abstracts of Orthopaedic Meetings with abstracts published in an outstanding class A journal or indexed Journal or accepted by a scientific Committee. (All of which have been disclosed): **Nb = 74**

- A1.** External fixation for fractures of the distal aspect of the tibia: a series of 24 cases. Asencio G, Rebai M, Bertin R, Megy B, Hammami R, Kouyoumdjian P. Journal of Bone & Joint Surgery - British Volume. 83-B Supplement I: 39, 2001.
- A2.** Management of ligament balance and the tibio-femoral space in total hip arthroplasty: prospective series of 47 cases. Hammami R, Asencio G, Mill P, Daude O, Kouyoumdjian P., Bertin R, Megy B. Journal of Bone & Joint Surgery - British Volume. 83-B Supplement I: 68, 2001.
- A3.** Transpedicular graft with posterior instrumentation for lumbar and thoracolumbar fracture: a series of 11 cases. Kouyoumdjian P., Asencio G, Leclerc V, Hammami R, Megy B, Bertin R, Triki H. Journal of Bone & Joint Surgery - British Volume. 84-B Supplement I: 46, 2002.
- A4.** Combined total knee arthroplasty and corrective osteotomy for degenerative joint disease with major axial deviation: a series of 10 cases. Hammami R, Asencio G, Bertin R, Kouyoumdjian P., Megy B, Hacini S. Journal of Bone & Joint Surgery - British Volume. 84-B Supplement I: 38-39, 2002.
- A5.** Double fracture of the proximal femur and the shaft: locked nail reconstruction in 17 patients. Asencio G, Bertin R, Kouyoumdjian P., Megy B, Mill P. P, Ben Lassoued A, Roussanne Y. Journal of Bone & Joint Surgery - British Volume. 86-B Supplément I:36, 2004. Et Revue De Chirurgie Orthopédique Et Traumatologique. Vol 88, N° 6 - October 2002, P. 56.
- A6.** Revision for failed the using a non-cemented hydroxyapatite coated femoral stem and distal locking: 20 cases. Ben Lassoued A, Asencio G, Bertin R, Megy B, Kouyoumdjian P., Hacini S. Journal of Bone & Joint Surgery - British Volume. 86-B Supplément I:50, 2004. et Revue de Chirurgie Orthopédique et Traumatologique. Vol 88, N° 6 - October 2002, p. 87
- A7.** Prothèse totale de genou (PTG) Interax (Howmedica®) non cimentée avec conservation du ligament croisé postérieur (LCP) : à propos de 109 cas avec plus de 5 ans de recul. Mill P.P, Asencio G, Bertin R, Kouyoumdjian P., Hacini S, Megy B. Revue de Chirurgie Orthopédique et Traumatologique. Vol 88, N° 6 - October 2002 p. 99.
- A8.** Acetabular osteolysis of non-cemented hip prosthesis. Asencio G, Marchand P, Bertin R, Megy B, Kouyoumdjian P., Hacini S, Mill, P.P. Journal of Bone & Joint Surgery - British Volume. 87-B Supplément II: 124, 2005. et Revue de Chirurgie Orthopédique et Traumatologique. Vol 89, N° SUP 6 - October 2003 p. 91.
- A9.** Ostéosynthèse des fractures céphalo-tubérositaires : a propos d'une étude de cas. Hacini S, Bertin R, Megy B, Kouyoumdjian P., Ben Lassoued A. Revue de Chirurgie Orthopédique et Traumatologique Vol 89, n° sup 6 - octobre 2003, p. 58.
- A10.** Osteosynthesis of cephalo-tuberosity fractures: 34 cases. Hacini S, Bertin R, Megy B, Kouyoumdjian P., Ben Lassoued A. Journal of Bone & Joint Surgery - British Volume. 87-B Suppl. II: 110-111, 2005.
- A11.** Devenir des tiges fémorales anatomiques sans ciment revêtues d'hydroxyapatite. Marchand P, Asencio G, Bertin R, Megy B, Kouyoumdjian P., Hacini S, Mill P.P. Revue de Chirurgie Orthopédique et Traumatologique. Vol 89, N° SUP 6. October 2003, p. 127. C7.
- A12.** Total knee arthroplasty using the non-cemented Interax® prosthesis (Howmedica®) with preservation of the posterior cruciate ligament: 109 cases followed for more than five years. Mill P. P, Asencio G, Bertin R, Kouyoumdjian P. et al JBJS Janvier 1, 2004.
- A13.** Double Fr. of the proximal femur and the shaft: locked nail reconstruction in 17 patients. Asencio G, Bertin R, Kouyoumdjian P., Megy B. et al. JBJS Jan. 1, 2004.
- A14.** Ostéosynthèse des fractures déplacées du col du fémur par vis/plaque THS. Bertin R, Kouyoumdjian P., Bahati M, Asencio G. Revue de Chirurgie Orthopédique et Traumatologique. Vol 90, N° Sup 5 - September 2004 pp. 1208-
- A15.** Ostéosynthèse des fractures cervicales vraies déplacées chez le sujet de moins de 65 ans Bertin R, Kouyoumdjian P., Bahati M, Megy B, Mill P.P. Revue de Chirurgie Orthopédique et Traumatologique. Vol 90, N° Sup 6 - October 2004 pp. 2153-

- A16.** Les arthroplasties totales de primo-implantation dans la gonarthrose. Asencio G, Kouyoumdjian P, Bertin R, Mill P.P. XXXII Entretiens de médecine physique et de réadaptation 2004. L'arthrose du genou. P128-134.
- A17.** Arthroplastie totale de hanche et chirurgie mini-invasive par voie postéro-latérale : étude prospective et comparative par rapport à la technique conventionnelle. Asencio G, Kouyoumdjian P, Francis N; Bertin R, Marchand P, Hacini S. Revue de Chirurgie Orthopédique et Traumatologique. Vol 91, N° S5 - September 2005, pp. 198-199
- A18.** Ligament balance for total knee arthroplasty. Mill P.P, Asencio G, Marchand P, Kouyoumdjian P, Hacini S, Bertin R, Megy B. Journal of Bone & Joint Surgery - British Volume. 87-B Suppl. II: 142-143, 2005.
- A19.** Fractures comminutives articulaires de l'extrémité inférieure du fémur (type C3). Enclouage rétrograde : à propos de 19 cas. Bertin R, Kamoun S, Kouyoumdjian P, Marchand P, Asencio G. Revue de Chirurgie Orthopédique et Traumatologique. 2005 Vol. 91 Ed. S6.
- A20.** Outcome of hydroxyapatite-coated non-cemented anatomic femoral stems. Marchand P, Asencio G, Bertin R, Megy B, Kouyoumdjian P, Hacini S, Mill P.P. Journal of Bone & Joint Surgery - British Volume. 87-B Suppl. II: 139, 2005.
- A21.** Total ankle arthroplasty: 58 cases. Asencio G, Kouyoumdjian P, MacDougal W, Bertin R, Hacini S. Journal of Bone & Joint Surgery - British Volume Vol. 90-B, Issue SUPP II, 245.
- A22.** Étude scanographique de l'apport de la scopie de face sur le centrage d'une prothèse de disque cervicale : à propos de 20 cas. Kouyoumdjian P, Bronsard N, Vital J.M, Gille O. Revue de Chirurgie Orthopédique et Traumatologique. Vol 93, N° Sup. 7. November 2007, p. 63.
- A23.** A remote-controlled spinal cord compression injury model in mice: towards real time analysis: O-18-2. Kouyoumdjian P, Lonjon N, Prieto M, Haton H, Privat A, Asencio G, Gaviria M, Perrin F. British Journal of Surgery. 96 Sup. 5: 31, 2009.
- A24.** LCA double faisceau versus simple faisceau : étude évaluant la laxité rotatoire résiduelle par IRM dynamique: Tardy N., Marchand P., Dhenin A Kouyoumdjian P, Asencio G. SOFCOT, Paris 2011.
- A25.** Luxations du genou : plastie ou suture ? Duchemin P., Marchand P., Munini E. Kouyoumdjian P, Asencio G. SOFCOT, Paris 2011.
- A26.** Étude comparative simple rangée versus double rangée dans les ruptures étendues de la coiffe des rotateurs, à propos de 60 cas. Teissier P., Teissier J., Marchand P., Kouyoumdjian P. SOFCOT, Paris 2012.
- A27.** La prothèse totale de cheville : alternative actuelle à l'arthrodèse talo-crurale ? Étude rétrospective à propos de 29 cas. Cellier N., Kouyoumdjian P, Kerfani A., Bidar R., Asencio G. SOFCOT, Paris 2012.
- A28.** Résultats à plus de 10 ans des tiges fémorales anatomiques non cimentées ABG2. Asencio G., Duchemin P., Llagone B., Bertin R., Kouyoumdjian P. SOFCOT, Paris 2012.
- A29.** Les échecs des cotyles métal-back non cimentés à inserts modulaires en polyéthylène, relatifs à une ostéolyse secondaire à une usure excessive du polyéthylène, ont-ils été gommés ? De la cupule ABG I à la cupule ABG II. Duchemin P., Llagone B., Kouyoumdjian P, Bertin R., Asencio G., SOFCOT, Paris 2012.
- A30.** Arthroplastie totale d'épaule inversée par prothèse sans tige humérale TESS. Philippe Teissier (Montpellier), Jacques Teissier, Pascal Kouyoumdjian, Gérard Asencio, SOFCOT 2013
- A31.** Évaluation par l'imagerie de la dégénérescence du segment adjacent après chirurgie lombaire mono ou bi segmentaire par prothèse discale ou arthrodèse type ALIF. Dhenin A, Le Huec JC, Asencio G, Kouyoumdjian P. SOFCOT 2013
- A32.** La technique d'ostéotomie en chevron « en L inversé » permet-elle la correction de tous les types d'hallux valgus à l'instar du SCARF. Duchemin P, Bidar R, Kouyoumdjian P, Asencio G. Paris, SOFCOT, journées des spécialités (AFCP) 13 nov. 2013.
- A33.** Arthroplastie totale de hanche. Fiabilité et pertinence des données de navigation. Belal R, Coulomb R, Kouyoumdjian, Bechet R, Asencio G. SOFCOT 2014
- A34.** Prévalence et facteurs de risque des squeaking en rapport à un couple céramique-céramique (CoC). Expérience avec la prothèse de hanche ABG II TM. Coulomb R, Essig J, Belal R, Kouyoumdjian P, Bechet R, Asencio G. SOFCOT 2014
- A35.** Résultat à 10 ans de recul de la prothèse de hanche ABG II TM, associé à un couple céramique-céramique. Coulomb R, Essig J, Mares O, Kouyoumdjian P, Asencio G. SOFCOT 2014
- A36.** Arthroplastie totale de hanche. Fiabilité et pertinence des données de navigation. Belal R, Coulomb R, Kouyoumdjian P, Bechet R, Asencio G. SOFCOT 2014
- A37.** Évaluation tomodensitométrique de prothèses totales de cheville avec géodes péri-prothétiques. Maury E, Bonnel F, Coulomb R, Cellier N, Kouyoumdjian P, Asencio G. SOFCOT Nimes 2014
- A38.** Influence des paramètres lombo-pelviens EOS sur les capacités de réserve d'extension du complexe lombo-pelvi-fémoral. Kouyoumdjian P, Coulomb R, Maury E, Marchand P, Cellier N, Asencio G. SOFCOT 2016
- A39.** Variation des paramètres pelviens chez 28 patients opérés d'une ALIF L5S1 : Marouby S, Kouyoumdjian P SFCR 2017
- A40.** Antéverson acétabulaire et paramètres spino-pelviens : corrélation chez le sujet arthrosique : Kouyoumdjian P, Cascales V, Mares O, Cellier N, Marchand P, Asencio G, Coulomb R. SOFCOT 2017
- A41.** Évaluation scanographique des prothèses totales de cheville. A propos d'une série monocentrique de 10 cas au recul minimum de 1 an. Nougarede B, Coulomb R, Asencio G, Bonnel F, Kouyoumdjian P. SOFCOT 2017
- A42.** Validation de la position du pelvis et du tronc dans le plan sagittal après mise en place de prothèse totale de hanche assistée par navigation. A propos de 50 cas. Nougarede B, Coulomb R, Weiss A, Asencio G, Kouyoumdjian P. SOFCOT 2017
- A43.** Évaluation IRM des muscles périarticulaires après prothèse totale de la hanche ; pertinence du choix de la coupe. Coulomb R, Chammas PE, Mares O, Cellier N, Asencio G, Kouyoumdjian P. SOFCOT 2017
- A44.** Les résultats cliniques d'une arthrodèse sous-talienne arthrosopique sont-ils corrélés au ratio de fusion tomodensitométrique ? Coulomb R, Cellier N, Mares O, Marchand P, Asencio G, Kouyoumdjian P. SOFCOT 2017
- A45.** Évaluation de la courbe d'apprentissage et des risques de la libération du nerf médian au canal carpien par section du ligament rétinaculaire sous endoscopie ou sous échographie : étude cadavérique comparative entre chirurgien junior et sénior (30 cas). Richard E, Coulomb R, Bertrand M, Kouyoumdjian P, Mares O. SOFCOT 2017
- A46.** Résultats des reprises de prothèse totale de hanche ABG2 modulaire. Kouyoumdjian P, Cellier N, Weiss A, Mares O, Marchand P, Asencio G, Coulomb R. SOFCOT 2018
- A47.** Étude anatomique de faisabilité de la résection du processus latéral du talus sous arthroscopie. Weiss A, Coulomb R, Mares O, Marchand P, Asencio A, Kouyoumdjian P, Cellier N. SOFCOT 2018
- A48.** Étude anatomique de faisabilité de la résection du processus latéral du talus sous arthroscopie. Weiss A, Coulomb R, Mares O, Marchand P, Asencio G, Kouyoumdjian P, Cellier N. SOFCOT 2018
- A49.** L'évaluation TDM de la trophicité des muscles glutéaux est-elle prédictive du risque de luxation des prothèses de hanche ? Laborde A, Coulomb R, Weiss A, Cellier N, Mares O, Marchand P, Kouyoumdjian P. SOFCOT 2018
- A50.** Analyse TDM du ratio de fusion d'une arthrodèse sous-talienne sous arthroscopie. A propos de 22 cas. Cellier N, Coulomb R, Hsayri E, Mares O, Marchand P, Kouyoumdjian P. AFCP Juin 2018
- A51.** Sagittal variation of pelvis position after THA with navigation. Results of 50 cases. Kouyoumdjian P, Nougarede B. EFORT Barcelona 2018.
- A52.** Acetabular Anteversion Evaluation by Low Dose CT scan and EOS sagittal Spinopelvic Parameters: relationships in an osteoarthritic population of 103 patients. Kouyoumdjian P, Cascales V, Mares O, Marchand P, Asencio G, Coulomb R. EFORT Barcelona 2018.
- A53.** Robotique et prothèses Journées SFHG. Veille Technologique. Lustig S, Kouyoumdjian P. SOFCOT 2019.

- A54.** Robotique et PTG en pratique IBODE. Robotique et nouvelles technologies. [Kouyoumdjian P](#), Chaptal A, Martinez M, Pontio N. SOFCOT 2019.
- A55.** L'usage d'un bras robotisé permet-il d'améliorer les résultats fonctionnels précoces et d'optimiser la réhabilitation améliorée d'une arthroplastie totale de genou ? Coulomb R, Gatti M, [Kouyoumdjian P](#), Marchand P. SOFCOT 12 November, 12 2019.
- A56.** Etude comparative du positionnement acétabulaire après arthroplastie totale de hanche conventionnelle versus chirurgie assistée par bras robotisé. Coulomb R, André L, Cascales V, Cellier N, [Kouyoumdjian P](#). SOFCOT 2019
- A57.** Méthode d'évaluation numérisée de la torsion angulaire intrinsèque de l'os coxal : résultats et incidence clinique. Bonnel F, [Kouyoumdjian P](#). SOFCOT November 12, 2019.
- A58.** La prothèse totale de hanche assistée par bras robotisé permet-elle d'améliorer les résultats fonctionnels précoces et d'optimiser la réhabilitation améliorée après chirurgie. Coulomb R, Cascales V, Marchand P, [Kouyoumdjian P](#). SOFCOT 2019
- A59.** Influence de l'anesthésie WALANT et du type de parcours de soins sur la satisfaction et la récupération fonctionnelle après neurolyse du nerf médian. Etude observationnelle postopératoire comparaison entre Office Surgery et chirurgie ambulatoire. Moscato L, Mares O, Crouzet P, [Kouyoumdjian P](#), Coulomb R. SOFCOT 2019
- A60.** Instabilité de prothèse totale de hanche et cinématique lombo-pelvienne : Évaluation par imagerie EOS de la variation des paramètres spino-pelviens de la position debout à assise. Marouby S, Coulomb R, Dagneaux L, Canovas F, [Kouyoumdjian P](#). SOFCOT 2019
- A61.** Influence de la chirurgie assistée par bras robotisé dans le positionnement frontal et sagittal des prothèses totales de genou, Coulomb R, Weiss A, Marchand P, [Kouyoumdjian P](#). SOFCOT 2019
- A62.** Influence de l'assistance d'un bras robotisé sur la taille des implants après arthroplastie totale de hanche. Kouyoumdjian P, André L, Cascales V, Mares O, Coulomb R. SOFCOT 2019
- A63.** Modular DM cups: what about ion release and efficient prevention of instability: [Kouyoumdjian P](#), Epinette JA, Coulomb R, EHS 10 sept. 2021

2022

- A64.** Un raccourcissement de moins de 15mm lors d'une fracture de la clavicule a un impact négatif même après 1 an. SOFCOT 2022 Pradel S, Brunaud M, Coulomb R, [Kouyoumdjian P](#), Mares O. SOFCOT 2022
- A65.** Influence de la mise en place d'une prothèse totale de hanche sur l'alignement frontal rachidien Marquant A, Ghanimeh J Coulomb R, [Kouyoumdjian P](#). SOFCOT 2022
- A66.** Prothèse totale de genou robotisée et laxité résiduelle après alignement spécifique basé sur la tension maximale de l'appareil capsulo-ligamentaire. Michaud F, Coulomb R, Marchand P, [Kouyoumdjian P](#). SOFCOT 2022
- A67.** Une antéversion fémorale personnalisée optimise la mobilité simulée des PTH comparativement à des antéversions fixes. Alsuwaidi M F, Coulomb R, Cascales V, Marchand P, [Kouyoumdjian P](#). SOFCOT 2022
- A68.** La planification tridimensionnelle d'un débord antérieur de l'implant acétabulaire affecte-t-elle le résultat fonctionnel à court terme d'une prothèse totale de hanche SOFCOT 2022 Lavigne R, Cascales V, Marchand P, [Kouyoumdjian P](#), Coulomb R. SOFCOT 2022

From 2023

- A69.** Influence of Total Hip Arthroplasty on The Coronal Spinal Alignment. [Kouyoumdjian P](#), Marquant A. R. Coulomb; ; EFORT 2023 Vienna
- A70.** A New Technique for Preoperative Prediction of TOTAL Hip Arthroplasty Dislocations by CT Assessment Of the Gluteal Muscle Degeneration: Coulomb R, Laborde A, [Kouyoumdjian P](#); EFORT 2023 Vienna
- A71.** Robotic Total Knee Arthroplasty and The Residual Laxity After Specific Alignment Based on the Maximum Ligamentous Tension: Coulomb R, Lavigne R, [Kouyoumdjian P](#); EFORT 2023 Vienna
- A72.** Does Three-dimensional Planning Of a Minimal Anterior Cup Overhang Affect The Short-term Functional Outcome Of a Robotic Total Hip Replacement: Coulomb R, Lavigne R, [Kouyoumdjian P](#). EFORT 2023 Vienna
- A73.** A personalized femoral anteversion optimizes the simulated mobility of total hip arthroplasty compared to fixed anteversions. [Kouyoumdjian P](#), Alsuwaidi M, Cascales V, Mansour J, Marchand P, Coulomb R: SICOT, Cairo Egypt, Nov 22, 2023.
- A74.** Influence of total hip arthroplasty on the coronal spinal alignment. [Kouyoumdjian P](#), Marquant A, Mansour J, Ghanimeh J, Coulomb R: SICOT, Cairo Egypt. Nov. 22, 2023.
- A75.** Short-term clinical Influence of a specific ligament versus a systematic bone alignment in robotic knee surgery. [Kouyoumdjian P](#), Michaud J, Mansour J, Marchand P, Coulomb R: SICOT, Cairo Egypt. Nov. 22, 2023.

- Communications:

With or without an unreferenced abstract invited by congress Chairmans

- C1.** In vivo experimental research into the pre- and post-operative behavior of scoliotic subjects.
- C2.** Ployon A, Dubousset J, Lavaste F, Maurel N, Skalli W, [Kouyoumdjian P](#). International Meeting ESMAC (European Society for Movement Analysis in Adults and Children), Basel, Switzerland Nov 13-15, 1997
- C3.** Protocole expérimental in vivo sur la posture et la cinématique globales du rachis sain, lésé et restauré. Ployon A, Lavaste F, Maurel N, Skalli W, Dubousset J, [Kouyoumdjian P](#). Congrès IPSO, France 23-24 oct.1997.

- C4. First pre- and post-operative 3D opto-electronic findings compared with classic X-Ray films. Dubousset J, Ployon A, Lecire C, [Kouyoumdjian P](#). Scoliotic Research Society, Glasgow, Scotland, Sept 1997.
- C5. Premiers apports optoélectroniques de la mesure des déformations vertébrales en pré et post opératoire relations avec les examens radiographiques standards. Dubousset J, Ployon A, Lecire C, [Kouyoumdjian P](#). GICD, Paris, France. Oct. 1997.
- C6. Analyse in vivo de la posture et du mouvement chez le patient scoliotique et évolution. [Kouyoumdjian P](#), Ployon A, Lavaste F, Skalli W, Dubousset J, Maurel N, Zeller R. GRECO (Groupe de Recherche et d'Expérimentation en Chirurgie Orthopédique). France Oct 24, 1997.
- C7. Évaluation expérimentale in vivo par système optoélectronique de la posture et du mouvement chez le patient scoliotique, et évolution après instrumentation par CD. [Kouyoumdjian P](#), Ployon A, Lavaste F, Skalli W, Dubousset J, Maurel M, Zeller R. 2e International R. Roy Camille Meeting on Spine. Paris Jan 30, 1998.
- C8. Ostéochondrite disséquante des condyles fémoraux de l'enfant : Intérêt de l'IRM dans le suivi et l'indication thérapeutique. Assi C, Mazeau P, Louahem D, [Kouyoumdjian P](#), Diméglio A. Paris, SOFCOT 1998
- C9. Analyse expérimentale de l'évolution posturale chez les enfants scoliotiques, à l'aide d'un procédé optoélectronique, entre les stades pré et postopératoire. Comparaison avec les observations cliniques. [Kouyoumdjian P](#), Dubousset J, Ployon A, Maurel N, Skalli W. GRECO (Groupe de Recherche et d'Expérimentation en Chirurgie Orthopédique). Nov 9, 1998.
- C10. Troubles de la croissance après Fr. de l'olécrane : Etude sur 37 cas chez 36 patients. Louahem D, [Kouyoumdjian P](#), Mazeau P, Diméglio A. Paris, SOFCOT 1998
- C11. Stabilisation postérieure des fractures thoraco-lombaires : une étude expérimentale. [Kouyoumdjian P](#), Leclerc V, Megy B, Bertin R, Asencio G. Paris, SOFCOT 1999
- C12. Insuffisance du jambier postérieur et arthrodèse du couple de torsion. Asencio G, Rebai M, Bertin R, Daude O, Hammami R, [Kouyoumdjian P](#). Société Française de Chirurgie Orthopédique et Traumatologique. Paris, SOFCOT 1999
- C13. Ostéosynthèse par fixation externe des fractures du pilon tibial. A propos de 24 cas. Paris, SOFCOT 2000.
- C14. Asencio G, Rebai M, Bertin R, Megy B, Hammami R, [Kouyoumdjian P](#). Société Française de Chirurgie Orthopédique et Traumatologique. Paris, SOFCOT 2000.
- C15. Ostéosynthèse des fractures cervicales vraies déplacées chez le sujet de moins de 65 ans Bertin R, [Kouyoumdjian P](#), Bahati M; Megy B, Mill PP. Paris, SOFCOT 2004
- C16. Léiomyosarcome osseux primitif du talus : à propos d'un cas. Ben Lassoued A, Bahati M, Kammoun S, Megy B, Bertin R, [Kouyoumdjian P](#). SOTCOT, Tunis, Tunisia. 2004
- C17. Reprises des échecs fémoraux des PTH par tige fémorale non cimentée revêtue d'hydroxyapatite et à verrouillage distal : à propos de 20 cas. Ben Lassoued A, Asencio G, Bahati M, Kammoun S, Megy B, Bertin R, [Kouyoumdjian P](#), Hacini S. SOTCOT Tunis, Tunisia. 2004
- C18. Ostéoradionécrose vertébrale cervicale : prise en charge chirurgicale, complications, lambeau de couverture : A propos d'un cas et brève revue de la littérature. [Kouyoumdjian P](#), Gille O, Pointillart V, Vital J.M. May 17-20, 2007. Groupe Etude de la Scoliose, Taormina, Sicilia. 17-20 Mai 2007
- C19. Étude du centrage d'une prothèse de disque cervicale mise en place avec ou sans contrôle scopique peropératoire de face : A propos de 20 cas. [Kouyoumdjian P](#), Bronsard N, Vital J.M, O. Gille. SFCR et SFNCR, Nantes, France, June 7-9, 2007
- C20. Étude scanographique de l'apport de la scopie de face sur le centrage d'une prothèse de disque cervicale : A propos de 20 cas. [Kouyoumdjian P](#), Bronsard N, Vital J.M, O. Gille. SFCR et SFNCR, Nantes, France, June 7-9, 2007
- C21. Fracture du pilon tibial : ostéosynthèse par plaque : [Kouyoumdjian P](#), P. OTC. Marseille, France. Sept. 2015.
- C22. Direct Anterior Approach in Hip Surgery: [Kouyoumdjian P](#), SOFCOT Stryker. Amsterdam, Netherlands. Nov 2015.
- C23. Traitement médical des kystes dorsal du poignet. O Mares, B. Degeorges, N. Cellier, [Kouyoumdjian P](#), SFA. Grenoble, France. Dec 2015.
- C24. TLIF et BMP ; Analyse de 67 cas prospectifs. [Kouyoumdjian P](#), Khelifi A, Weiss A. JOGS. Marseille, France. 2015.
- C25. Prothèse cervicale versus ACDF évaluation du disque adjacent par IRM à 5 ans : [Kouyoumdjian P](#), A. Weiss. JOGS Marseille, France 2016
- C26. Cours de base AOSpine de base rachis. [Kouyoumdjian P](#). AOSpine, Marseille, France. 2016.
- C27. Quelles indications dans les troubles statiques de l'adulte. J. montpelliéraines de rhumatologie. [Kouyoumdjian P](#). Montpellier, France. 15 Oct. 2016
- C28. Rééducation et chirurgie dans le trouble postural : expérience du CHU de Nîmes. [Kouyoumdjian P](#), A. Dupeyron. EMPR, Montpellier, France. 23 Mars 2016
- C29. Le canal lombaire étroit. [Kouyoumdjian P](#). Journées rachis. Montpellier, France. Mars 2017
- C30. Traumatisme du rachis cervical. [Kouyoumdjian P](#). Journées rachis. Montpellier, France. Mars 2017
- C31. Les voies antérieures du rachis. [Kouyoumdjian P](#). Journées rachis. Montpellier, France. Mars 2017
- C32. Tige verrouillée versus non verrouillée dans la chirurgie prothétique de hanche. Symposium Hanche. [Kouyoumdjian P](#). Lyon, France. Mai 2016
- C33. Tige verrouillée, état de l'art. Symposium Hanche. [Kouyoumdjian P](#). Lyon, France. Mai 2017
- C34. Anato® stem in hip arthroplasty. Hip Council. Juin 2017 [Kouyoumdjian P](#). Amsterdam, Netherlands. Juin 2017
- C35. Dual Mobility: French experience. Hip Council. Juin 2017 [Kouyoumdjian P](#). Amsterdam, Netherlands. Juin 2017
- C36. Prothèse de hanche et incidence pelvienne : [Kouyoumdjian P](#). Montpellier, France. June 2017
- C37. Quelle prothèse pour quelle indication : [Kouyoumdjian P](#). Montpellier, France. June 2017
- C38. Prothèse cervicale : indication technique et résultats- Toulouse Janvier 2018 5ieme rencontre du GDR Mecabio. [Kouyoumdjian P](#)
- C39. Anato® stem in hip arthroplasty. Hip Council. [Kouyoumdjian P](#). Amsterdam, Netherlands. June 28-29, 2018
- C40. Anatomie et voied'abord antérieure de hanche. [Kouyoumdjian P](#). Cours de base. Hanche Stryker. Toulouse, France. 19 Juin 2018
- C41. Double Mobilité. [Kouyoumdjian P](#). Cours de base. Hanche Stryker. Toulouse, France June 28-29, 2018
- C42. Tige anatomique. [Kouyoumdjian P](#). Cours de base. Hanche Stryker. Toulouse, France June 28-29, 2018
- C43. Diagnostic et pratiques cliniques associées à la dégénérescence des disques intervertébraux, [Kouyoumdjian P](#). Vème rencontre du GDR Mecabio, Toulouse, France. Jan 12 2018
- C44. Fracture de l'humérus : Pourquoi je mets des clous ? [Kouyoumdjian P](#). OTC Curses Nice, France. 2018.
- C45. Prise en charge des PTH avec protocoles RAAC. [Kouyoumdjian P](#) 5^{ème} Journée d'échanges sur la réparation tissulaire. Oct 4, 2018
- C46. Pour opérer que regarde le chirurgien avant d'intervenir sur la hanche, [Kouyoumdjian P](#), 50^{ème} Entretiens MPR, Montpellier, France. March, 23-25, 2022
- C47. Les outils de demain en chirurgie orthopédique. [Kouyoumdjian P](#), SOO la Rochelle, France Juin 9-10, 2022
- C48. Robotique et chirurgie de la hanche. [Kouyoumdjian P](#) Veille technologique. Paris, SOFCOT 2022
- C49. Influence du complexe lombo-pelvi-fémoral sur le conflit fémoro-acétabulaire symptomatique, [Kouyoumdjian P](#). Symposium SFA Toulouse, France. Déc. 8-10, 2022

From 2023

- C50.** Battle : Comment je planifie ma prothèse de hanche : Trojani C, Philippeau JM, [Kouyoumdjian P](#), SFHG Congres, Avignon mars 2023
- C51.** Prise en compte de la relation spino-pelvienne dans la planification de la hanche : [Kouyoumdjian P](#), Symposium de l'industrie, 1st SFHG congrès, Avignon March 2023
- 4 ans et plus de 1500 prothèses plus tard, quel bilan ? : [Kouyoumdjian P](#), Symposium de l'industrie, SFHG congrès, Avignon March 2023
- C52.** Navigation et robotisation d'une prothèse de hanche : [Kouyoumdjian P](#), SFHG congrès, Avignon March 2023
- C53.** La relation hanche rachis dans la PTH : [Kouyoumdjian P](#), Journées Orthopédie Outre-Mer ; Saint-Martin, March 27, 2023
- C54.** Chirurgie Robotisée dans la PTH : expérience de 800 PTH : [Kouyoumdjian P](#), Journées Orthopédie Outre-Mer ; Saint-Martin, March 27, 2023
- C55.** Chirurgie Robotisée dans la PTG : expérience de 1200 PTH : [Kouyoumdjian P](#), Journées Orthopédie Outre-Mer ; Saint-Martin, March 27, 2023
- C56.** Alignement mécanique versus cinématique par assistance robotisée dans les PTG : [Kouyoumdjian P](#), Journées Orthopédie Outre-Mer ; Saint-Martin, March 27, 2023
- C57.** Doble Movilidad en revision de cadera, daos actuales y sobrevida - Dual Mobility in hip revision, current damages and survival. [Kouyoumdjian P](#), Congreso Nacional de Ortopedia, Acapulco – Mexico, Apr 28, 2023
- C58.** Complicaciones en ATC con doble movilidad, Que casuística tenemos – Failures in THA with dual mobility, What casuistic we have: [Kouyoumdjian P](#), Congreso Nacional de Ortopedia, Acapulco - Mexico Apr 28, 2023
- C59.** Hip Spine Relationship: implications and recommendations for Total Hip Arthroplasty: [Kouyoumdjian P](#), Lausanne- Suisse 11 May 2023
- C60.** 2D to 3D planning of THA: [Kouyoumdjian P](#), Lebanese Orthopaedic Society & Pan Arab Orthopaedic Association Beyrouth – Liban 18 May 2023
- C61.** Hip Spine Relationship: implications and recommendations for Total Hip Arthroplasty: [Kouyoumdjian P](#), Lebanese Orthopaedic Society & Pan Arab Orthopaedic Association Beyrouth – Liban, May 18, 2023
- C62.** Robotic-assisted THA and shortened femoral stems: experience of a high-volume academic center. [P Kouyoumdjian](#), Lausanne Hip Day, Lausanne-Suisse, June 9, 2023
- C63.** Modular Dual Mobility in revision. [P Kouyoumdjian](#) LHA Lyon Hip Arthroplasty, Lyon France, Sept 7-8, 2023
- C64.** Enhance Primary Hip Arthroplasty to decrease revision: my 10 recommendations. LHA Lyon Hip Arthroplasty, Lyon France, Sept 7-8, 2023
- C65.** Dual mobility and hip-spine syndrome: The risky patients. [Kouyoumdjian P](#), XVIII international course, Medellin (Colombia), October 13th
- C66.** Dual mobility: A game-changer for revision hip replacement. [Kouyoumdjian P](#), XVIII international course, Medellin (Colombia), October 13th, 2023
- C67.** Assessment of knee laxity using robotic. [Kouyoumdjian P](#) ESSKA Warsaw, Poland Nov. 24-25, 2023
- C68.** Hip-spine and the implication of spinal kinematic disorders in THA planning, [Kouyoumdjian P](#), MAST 10 Current Concepts in Advanced Arthroplasty Surgery, Thessaloniki, Greece, dec, 15-17 2023
- C69.** Hip replacement surgery: influence of the spine and hip pelvis,
- C70.** Quelle est la capacité d'un système mixte robotique-navigation à réaliser la planification 3D d'une prothèse totale de la hanche. R. Coulomb, [Kouyoumdjian P](#), Jan 19-20, 2024 CAOS 2024, Montpellier, France
- C71.** Robot et PTH. [Kouyoumdjian P](#), R. Coulomb Jan. 20-22, Les Arcs, France
- C72.** Influence des paramètres lombo-pelviens dans la chirurgie de la prothèse totale hanche, [Kouyoumdjian P](#). Société Algérienne de la chirurgie du genou de la hanche et de l'arthroscopie du Feb 28-March 2, 2024, Taghit Algérie
- C73.** Hip replacement surgery: influence of the spine and hip pelvis, Kouyoumdjian P. March 19, 2024, Lausanne, Switzerland

As International guest

- **Chinese Spine Symposium, Beijing – China** Thoracolumbar fracture: classification and treatment., – Chine. Mai 2003
- **Chinese Spine Symposium Shanghai – China** Thoracolumbar fracture: classification and treatment., Chinese Spine Symposium, Shanghai – Chine. Mai 2003
- **Dubai. ALR Journey** Failed Back Pain: surgical consideration. DIU Anesthesia and Analgesia.
- **SOTCOT 2017** Prothèse cervicale : indication et résultats, Hammamet, Tunisie July 29-1 July 2017
- **SOTCOT 2017** ALIF technique et complications. Hammamet, Tunisie July 29-1 July 2017
- **Luxembourg -Hôpitaux R. Schuman Congress.** PTH de la navigation à la robotisation. 8 nov.2019
- **LOS: Libanese Orthopedic Society** Updates in robotic assistance for total hip replacement. 2-3 Oct. 2020
- **LXVIII Congreso Nacional de Ortopedia, Acapulco Mexico** Dual Mobility, outcomes in Primary Hip Arthroplasty and THA revision, April, 25-29 2023
- **Centre Hospitalier Universitaire Vaudois, Lausanne - Suisse** Hip Spine Relationship: implications and recommendations for Total Hip Arthroplasty: 11 May 2023.
- **Lebanese Orthopaedic Society & Pan Arab Orthopaedic Association, Beyrouth LIBAN,** 2D to 3D planning of THA & Hip Spine Relationship: implications and recommendations for Total Hip Arthroplasty, 17-19 May 2023
- **Lausanne Hip Day, Suisse:** Robotic-assisted THA and shortened femoral stems: experience of a high-volume Academic center, June 9 2023
- **XVIII International Course Medellin Colombia:** Hip-spine relation in THA and Dual Mobility French Experience, October 13th, 2023 Medellin, Columbia 2023
- **ESSKA Specialty Days, Warsaw, Poland** Congress roundtable: assessment of knee laxity using robotic. Nov. 24-25, 2023, Warsaw, Poland 2023
- **Lebanese Society of recon. microsurgery** Spinopelvic relationships and THA, painful THA, Feb 28-March 1, 2024 Faraya, Lebanon

- **SHAGA, ROR (4), congrès inter-spécialités** Influence des paramètres lombo-pelviens dans la chirurgie de la prothèse totale hanche, Société Algérienne de la chirurgie du genou de la hanche et de l'arthroscopie du Feb 28-March 2, 2024, Taghit Algérie
- **Medicol Congress Lausanne** Hip replacement surgery: influence of the spine and hip pelvis, March, 19 2024 Lausanne, Switzerland

as National Guest

- Tumors of the spinal cord and spine. VIème journée de Neuro-Oncologie de Languedoc-Roussillon. 18 Juin 2003.
- Journées Nîmoises. Spine biomechanics and thoracolumbar fractures. Sète. Juin 2006
- Journées de Rhumatologie. Montpellier 15 Octobre 2015. What are surgical indications in static disorders of the spine of adults?
- Journées France Parkinson. Surgical Management of Vertebral Deformities in Parkinson's Disease
- Conférence 2016 Université du Tiers temps (UTT) Montpellier : chirurgie de la colonne vertébrale
- EMPR 2016 : Management of spinal deformity: experience in Nîmes
- 5^{ème} Rencontre du GDR Mecabio. Toulouse. 11 Janvier 2018. Cervical prosthesis from biomechanical theory to clinical application
- Colloque Orthopédie - Lyon Croix Rousse: Relationship Between the Hip and the Lumbo-Pelvic Complex. Lyon 12 février 2019
- Congrès Montpellier: 2012 to 2019 around robotic hip and knee surgery
- Académie Nationale de Chirurgie. 12 février 2020. Chirurgie robotique de la hanche.

Organization of congresses.

Société Savantes – Congrès Internationaux ou Nationaux

▪ AOSpine France: Basic Course	Sept.21-22, 2014	Nîmes	Co-Chairman
▪ AOSpine France: Advanced Course	Sept 22-23 2014	Nîmes	Co-Chairman
▪ Congrès LHA Septembre 2019	Sept 12,13 2019	Lyon	Co-Chairman
▪ 6 ^{ème} Journée d'échanges - réparation tissulaire.	October 12 2018.	Nîmes	President
▪ Congrès de la SFHG	16-18 mars 2023	Avignon	President, Scientific Council
▪ Congrès LHA 2023	7-8 septembre 2023	Lyon	Chairman

Roundtables (TR) :

▪ RT – <u>Chairman</u> :	SFCR	Lyon	France	2016	Intraoperative Irradiation in Spine Surgery
▪ RT – Participant:	SFCR	Lyon	France	2016	Trauma C1-C2 in adult: Surgical Anatomy
▪ RT – Participant:	SOFCOT	Paris	France	2017	Constraint Knee Arthroplasty
▪ RT – Participant:	SICOT	Montreal	Canada	2018	Dual Mobility Cup in France
▪ RT – Participant:	SOFCOT	Paris	France	2019	Robotics and TKA in IBODE Practice
▪ RT – Participant:	SOFCOT	Paris	France	2021	Painful knee prosthesis.
▪ RT – Participant:	SFA	Toulouse	France	2022	FA Impingement and lumbopelvic balance
▪ RT – <u>Chairman</u> :	SOFCOT	Paris	France	2022	Hip Spine influence sur la PT
▪ RT – Chairman (3)	LHA	Lyon	France	2023	Revision Hip Arthroplasty: how to prevent revision.
▪ RT – Chairman (3)	LHA	Lyon	France	2023	Revision Hip Arthroplasty: revision in case of complex bone loss defect.
▪ RT – Chairman (3)	LHA	Lyon	France	2023	Revision Hip Arthroplasty: revision in mechanical cases.
▪ RT – Chairman	SOFCOT	Paris	France	2023	What robotics options in France in 2023 for TKA: The MAKO
▪ RT – Chairman	CAOS	Montpellier	France	2024	New Technologies in the Operating Room. Immersion in the operating room. Integration of new technologies, how do I do it?

Conferences (C) Conferences on Education (Conférences d'Enseignement), Symposium (S), and Technology Update (Veille technologique):

▪ S – Participant :	SOFCOT	Paris	France	2017	Prothèse charnière en traumatologie
▪ S – Participant:	EFORT	Barcelona	Spain	2018	Quattro™ PnP Double Modernity for Dual Mobility.
▪ S – Participant:	SICOT	Montreal	Canada	2018	Dual Mobility International Society.
▪ S – <u>Chairman</u> :	SOFCOT	Paris	France	2025	Hip Spine Syndrom et prothèse de hanche
▪ S – Participant	CAOS	Montpellier	France	2024	Les nouvelles technologies au bloc opératoire
▪					
▪ CE - UTT	Montpellier	France	2016	Chirurgie de la colonne vertébrale	
▪ CE - SOTCOT	Hamamet	Tunisie	2017	Prothèse cervicale, état de l’art.	
▪ CE - SOTCOT	Hamamet	Tunisie	2017	ALIF : technique et indications.	
▪ CE - SOFCOT	Paris	France	2018	Hip-Spine Σ : intrication chirurgie de la hanche et du rachis.	
▪ CE - SOFCOT	Paris	France	2023	Relation Hanche rachis dans la mise en place d’une PTH	

- C Vauban Univ. Nîmes France 2018 Prothèse totale de Hanche du passé à l'avenir
- VT - SOFCOT Paris France 2018 Robotique et prothèses. Lustig S, Kouyoumdjian P
- VT - SOFCOT Paris France 2022 Innovations & chirurgie orthopédique. Boureau F, Lustig S, Kouyoumdjian P

Industry Symposium (IS)

- IS – Stryker: Hip Council, Anato® conception and experience, Amsterdam, Netherland Jun. 21-22, 2017
- IS – Stryker: Hip Council, Dual mobility: history and results, Amsterdam, Netherland Jun. 21-22, 2017
- IS – Stryker: Champions meeting & Surgeon council. Amsterdam, Netherland Jun. 28-29, 2017
- IS – Lépine: Evidence based indications for Dual Mobility cup current concepts, Lille EHS 11 sept. 2021
- IS – Stryker: Spino-pelvic relationship and challenges with THR, Lille EHS 11 sept. 2021
- IS – Stryker: MAKO from planning to robotization: experience of V. 4.0 at the Nîmes University Hospital, Mako Warrior 19 mai 2022
- IS – Stryker: Interest of robotics in knee surgery and impact on patella track, Lyon School of Knee Surgery 23 sept. 2022
- IS – Stryker: Mako Champions: Combined anteversion which repository for which patient? Lyon 8 oct. 2022
- IS – Stryker: 4 years and more than 1500 prostheses later, what a balance sheet? SOFCOT, Paris nov. 2022
- IS – Stryker: 4 years and more than 1500 prostheses later, what a balance sheet 4 years and more than 1500 prostheses later, what a balance sheet? 1st Congress of SFHG, Avignon mars 2023
- IS – Stryker: Spino-Pelvic Relationship in the Planning of the THA SFHG Congress, Avignon mars 2023
- IS – Stryker: Hips spine relation in THA: a new paradigm using the V4.0 software and robotic assistance MAKO, LHA, Lyon France Sept 7-8, 2023
- IS – Stryker: MAKO Champion Meeting, Lyon, Jan 13, 2024
- IS – SERF: Dual Mobility and the lumbo-pelvic complex theory: International Hip Symposium Lyon France Oct, 19-20, 2023

EXPERTISE

- ▶ Member of the Board of **the Direction of Clinical Research and Innovation (DRCI)**.
- ▶ Expert in Justice at the Court of Appeal of Nîmes (Since Feb,7 2018) .

Reviewing

- ▶ OTSR
- ▶ International Orthopedics
- ▶ JBJS Am

EDUCATIONAL AND INSTRUCTION FUNCTION

ADMINISTRATIVE RESPONSIBILITIES FOR EDUCATION AND INSTRUCTION (FACULTIES, SCHOOLS CERTIFIED BY THE DEAN OR COMPETENT AUTHORITY)

Chairman and Manager of University or inter-university Diploma or master (DU/DIU/Master). Faculté de Médecine Montpellier Nîmes Université Montpellier (UM)

- DIU Degenerative Spine Pathology: Understanding, diagnosing and treating common spinal pain in adults. Creator & Coordinator. (UM) since 2013. E-learning Moodle platform. Nîmes (Continuous Medical Development (DPC) Agreement)
- DIU Arthroscopy South Interregional Coordinator. (UM). From 2015 (DPC Agreement)
- DIU Foot and Ankle Regional Coordinator Montpellier Nîmes. (UM). From 2015 (DPC Agreement)
- DIU Médecine manuelle et ostéopathie. Directeur (UM – site Nîmes). From 2019
- DIU Spasticity and neuro-orthopedics. (UM – site Montpellier). Chairman From 2017 (DPC Agreement)
- DIU Management and treatment of Post-Surgical Pain (UM – site Nîmes). Chairman, from 2010
- DIU Ultrasound for Lower Limb Surgery in Athletes from 2020-21 (Co-Chairman)
- DIU Hip Surgery (co-Chairman).

Courses Chairman

- AOSPINE Advanced Courses Sept 2014 (Nîmes) (Chairman - chairman)
- AOSPINE Basic Course Sept 2014 (Nîmes) et 2015 Marseille (Chairman- chairman)
- Hip Courses – Basic Courses (Stryker®) 2018 (Chairman et chairman)

Séminaires d'enseignements. Promoteurs industriels

- DAA Symposium in Hip Arthroplasty Surgery –Nîmes (France) – Chairman: Sept 25-26, 2016 (Stryker®).
- Hip Replacement Revision Hip Symposium – Lyon (France): 25 and 26 May 2016 (Stryker®)
- Hip Council 21-22 Juin 2017 – Amsterdam (Netherland): Anato conception and experience (Stryker®)
- Hip Council 21-22 Juin 2017 – Amsterdam (Netherland): Dual mobility: history and results (Stryker®)
- Hip Replacement Review Hip Symposium – Lyon (France): May 2017 (Stryker®)
- Hinge prosthesis: history and results - Nîmes (France)– Chairman - March 2018 (Smith and®)
- Hip Prosthesis Basic Course – Nantes (France): June 2018 Chairman (Stryker®)
- Champions meeting & Surgeon council – Amsterdam (Netherland). 28-29 Juin 2018 (Stryker)
- Symposium EFFORT – Barcelona (Spain): Quattro™ Double Modernity for Dual Mobility: Dec 2018 (Lépine®)
- Basic course Primary Hip prosthesis – Paris (France) hip spine, intraoperative planning, cup material and geometry -SFHG Sept 2020 (Stryker®)
- Stryker Webinar: Robot-assisted Total Hip and Knee Surgery July, 2 2020. Chairmans: Lustig S, Philippot R, Kouyoumdjian P (Stryker®)
- Contribution of robotics in knee surgery, and impact on patellar stroke and patellofemoral. 20èmes journées lyonnaises de chirurgie du genou – Sept 22, 2022 – (Industry symposium – Stryker®) : Chairmans : Lustig S, Kouyoumdjian P, Philippot R, Mandalia V
- Others (<https://www.maitrise-orthopedique.com/author/pascalkouyoumdjian/>)

THEORETICAL AND PRACTICAL TEACHING – EDUCATIONAL SUPPORT

Faculty of Montpellier-Nîmes since 2013

- Teaching 2^{ème} Cycle (MIC - DFGSM) Lecture (4h/y), Workshops (9h/y) - Coordinator Nîmes
 - Teaching 3^{ème} Cycle (DES, DESC) (15h/y)
- ECOS (Standardized Objective Clinical Examination) (12h/y) (MPR-Orthopaedic) simulation, practical workshops. In the orthopaedic department with DFGSM3 students: clinical examination and analysis of imaging of the musculoskeletal system in traumatology and orthopaedic pathology.
- Clinical training courses : fellowship referent: MIC DFGSM3
 - Other Teachings
-
- Others
 - (<https://www.maitrise-orthopedique.com/author/pascalkouyoumdjian/>)
 - DIU and DU 12h/y
 - EPU (post-university teaching) 20/y
 - paramedical teachings (physiotherapy, IFSI- Nursing Training Institute) 10h/year

Teaching Materials

- Didactic articles: 13)
- Didactic Communications :17
- Web learning: 2

Class A: French Teaching Books for Peer-Reviewed:

- La colonne lombaire : de l'idéal mécanique à la faillite fonctionnelle ; Bonnel F.; Privat J.M.; Kouyoumdjian P. Revue du Rhumatisme. 2011 78: p 42-47.
- Examen clinique du rachis cervical : conduite diagnostique et enquête étiologique Kouyoumdjian P., Bonnel F.; Dagneaux L, Asencio G.; Kinésithérapie scientifique. 2011, no521, pp. 33-47.
- Prothèse totale de hanche assistée par robot : de la planification à la robotisation. Maitrise Orthopédie. N286 Aout Septembre 2019. Kouyoumdjian P. N°286 - Août / Septembre 2019 (<https://www.maitrise-orthopedique.com/34-h1ka-sr6e/>)
- Prothèse totale de hanche assistée par robot MAKO : planification 3D, technique et perspectives, Kouyoumdjian P., Coulomb Maitrise Orthopédie R. N°305 - Juin / Juillet 2021 (<https://www.maitrise-orthopedique.com/5w-zsn4-4js5/>)
- « Hip spine syndrom » implication du complexe lombopelvien et de la hanche orientation diagnostique . Kouyoumdjian P. Maitrise Orthopédie N°312 - Mars 2022 (<https://www.maitrise-orthopedique.com/1x-d2fq-z79w/>)
- Prothèse fémoro-patellaire assistée par robot : Kouyoumdjian P. : Maitrise Orthopédie N°322 - Mars 2023 (<https://www.maitrise-orthopedique.com/1q-5tq2-zzcd/>)
- Others : - (<https://www.maitrise-orthopedique.com/author/pascalkouyoumdjian/>)

Class B: Medical periodicals (commercially available books, chapters, compendiums)

- Tendinopathie du tibial postérieur – Aspects diagnostiques et thérapeutiques. Kouyoumdjian P. ; Asencio G. ; *Progrès en Médecine et Chirurgie du Pied, Pathologie Microtraumatique du Pied, Médecine et Chirurgie du pied.* MASSON 2003 :62-65.
- Pied inflammatoire : chirurgie et perspective d'avenir : Kouyoumdjian P. ; Asencio G. ; *Progrès en Médecine et Chirurgie du Pied, Mises au point et actualités en Podologie, Médecine et Chirurgie du pied.* MASSON 2004 :152-157.
- Les arthroplasties totales de primo-implantation dans la gonarthrose. Asencio G, Kouyoumdjian P., Bertin R, Mil PPI. XXXI^{ème} Entretiens de médecine physique et de réadaptation 2004. *L'arthrose du genou.* MASSON P128-134.
- Interrelations de la rétraction du tendon d'Achille et des déformations de l'avant-pied dans la polyarthrite rhumatoïde : pied-plat secondaire. Kouyoumdjian P. ; Asencio G. ; *La rétraction du triceps sural, Mises au point et actualités en Podologie, Médecine et Chirurgie du pied.* MASSON 2005 :170-174
- Chirurgie du médio-pied au décours des ruptures du tendon du tibial postérieur : pied-plat secondaire. Kouyoumdjian P., Asencio G. *Pathologie du Médio-pied, Mises au point et actualités en Podologie, Médecine et Chirurgie du pied.* MASSON 2007 :60-68.
- Techniques péri opératoires d'analgésie lors de la chirurgie de la coiffe des rotateurs. Cuvillon P ; Viel E ; Nouvellon E ; Kouyoumdjian P. ; Ripart J. MASSON, 2008.84-91.
- Rupture traumatique du tendon tibial postérieur. Hacini S, Kouyoumdjian P., Assi C, Samaha C, Megy B, Asencio G. Montpellier : SAURAMPS MEDICAL, 2008. - 123-131.
- Les tassements vertébraux ostéoporotiques : rôle du muscle et prise en charge. Kouyoumdjian P., Houzir K, Asencio G. *Biomécanique - Chirurgie – Rééducation.* SAURAMPS MEDICAL.
- Le muscle : Nouveaux concepts. Anatomie - Biomécanique - Chirurgie – Rééducation. Bonnel F, Kouyoumdjian P. SAURAMPS MEDICAL.
- Cervicalgie : examen clinique et orientation diagnostique. Kouyoumdjian P., Bonnel F, Dagneaux L, Asencio G. *Observatoire du Mouvement.* N° 42 Octobre 2011.

- Cervicalgie : orientation thérapeutique. Kouyoumdjian P. article destiné à numéro de Kinésithérapie Scientifique consacré au 29e Cours international de pathologie de techniques chirurgicales et de technologie de rééducation, ayant pour thème « Muscle - Aponévrose-Fascia ».
- Névralgie cervico-brachiale : évaluation et orientation diagnostic Kouyoumdjian P, Bonnel F, Asencio G. Observatoire du Mouvement.

Supports Multimédia et Webinar

- Site de l'Observatoire du Mouvement : cervicalgie. Kouyoumdjian P. ; Bonnel F. ; Dagneaux L. ; Asencio G. (site <http://www.observatoire-du-mouvement.com/>)
- Plateforme Maitrise orthopédie (<https://www.maitrise-orthopedique.com/author/pascalkouyoumdjian/>):
 - Niveau de l'interligne articulaire dans les RPTG. Journées Lyonnaises du Genou 2018.
 - Battle : 1 - adapter la prothèse à l'os ? (Contre) 2 - adapter l'os à la prothèse ? LHA 2019.
 - Doit-on abandonner les tiges anatomiques ? LHA 2019.
 - De la navigation au robot en France. LHA 2019.
- Webinars de formation des DESC (per COVID 2019). 1 seminaire ZOOM/ semaines (chirurgie de la hanche, genou, poignet, rachis, etc..)

ACTIVITE DE SOINS ET FONCTION INSTITUTIONNELLE AU CHU

ACTIVITES CLINIQUES OU MEDICO-TECHNIQUES (DES 3 DERNIERES ANNEES INDICATEURS D'ACTIVITE PERSONNELLE (SOURCE SIH, PMSI))

	n-3	n-2	n-1
Nombre de consultations (/an)	1766	2144	1665
Nombre d'actes (/an)	293	330	280
Nombre de consultations (service)	17125	19835	22359
Nombre d'actes (service)	4442	4027	4156
Nombre de séjours (hors ambulatoire- service)	3187	2843	305

Nombre de praticiens seniors

- 3 HU (1PUPH et 2CCA)

- 8H *dont* 7 Praticien Hospitalier (7 ETP) + 2 assistants Hospitaliers (2 ETP)

- 5 vacataires ou temps partagé (0,3+0,1+0,1+0,1+0,1)

Activités de référence (1 seul PUPH) du service de chirurgie orthopédique du CHU de Nîmes

Themes of competence. Spine surgery and prosthetic lower limb and upper limb surgery-office surgery in a department offering:

- Spine surgery,
- Lower limb surgery,
- Upper limb surgery (excluding Care For Hand Trauma Center (SOS Main)).

Medical Referral Activity- Labelling

- Membership of a regional network/reference centre/rare disease centre
- CRIOAC certification as a Reference Centre for the Management of Complex Osteoarticular Infections. Labelling July 2017. CRIOAC Montpellier-Nîmes since 2023
- RCP Multidisciplinary Consultation Meeting for tumors with integration into the network of ICM, RESOS, REPS via the GSF-GETO (GSF-GETO coordinator of the CPR bone tumors - soft tissues-sarcoma)

New and innovative activities

- Robotic prosthetic hip and knee surgery. First French center referenced in robotic hip replacement surgery. Robotization of Knee Prosthetic Surgery.
- Spinal surgery. Surgery for Vertebral Deformities in Adults and Multiple Handicapped Persons Integrating, RCP, CMC (Back Clinic Integrating MPR and Pain Center).
- Diabetic Foot Surgery and medico-surgical care center.
- Arthroscopic surgery of the hindfoot and midfoot.
- Prosthetic ankle surgery.
- Walant Surgery and ultrasound-guided lower and upper limb surgery.

Gestion médico-économique et management

- DU de management 2017.

Responsabilités Hospitalières

Hospital

- Head of Department since September 2015 of the Department of Orthopaedic and Traumatology – Spine Surgery at the University Hospital of Nîmes.
- Ex CME CHU Nîmes
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