

Curriculum vitae Juan Gómez-Hoyos, MD



Juan Gómez-Hoyos, MD

School of Medicine, Universidad de Antioquia, Colombia

Publishing Master, Universidad de Antioquia, Colombia

Orthopedic Surgery, Universidad de Antioquia, Colombia

Fellowship in Hip Preservation Surgery, Baylor University Medical Center, USA

Traveling Fellowship, Hip Surgery, ISHA, USA/Germany/Switzerland/United Kingdom

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Formal education and training

Undergraduate

(2007) Medicine, Universidad de Antioquia, Colombia

Postgraduate

(2015) ISHA Hip Fellowship, Chicago (USA), Munich (Germany), Lucerne (Switzerland), Warwick (United Kingdom) and Cambridge (United Kingdom).

(2014-15) Fellowship en Artroscopia y Cirugía de la Cadera, BUMC, USA.

(2010-14) Orthopaedic Surgery, Universidad de Antioquia, Medellín, Colombia.

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(2009-10) Master in Publishing, Universidad de Antioquia, Medellín, Colombia.

International academic rotations

(2015) Hip Surgery with Dr. Martin Beck (1 month) Lucerne Kantosspital, Lucerne, Switzerland.

(2015) Hip Surgery with Dr. Michael Dienst (1 month), Orthopaedic Surgery Center Munich, Munich, Germany.

(2015) Hip Surgery with Dr. Damian Griffin (1 month), Warwick University Hospital, United Kingdom

(2013) Hip Arthroscopy with Dr. Thomas Sampson - Short Fellowship (2 months), Post Street Surgery Center, San Francisco, USA

(2015) Hip Arthroscopy with Dr. Shane Nho (1 month), RUSH Medial Center, Chicago, United States.

Surgical skills - Cadaver labs

(2017) Advanced Hip Surgery Cadaver Course, Naples, Florida, USA

(2015) Hip Arthroscopy Fellows Course, Las Vegas, Nevada, USA

(2015) Advanced Fellow Hip Arthroscopy Course, Austin, Texas, USA

(2014) Vail Hip Symposium and Hands-on Cadaver Lab. Vail, Colorado, USA

(2014) St. Louis Hip Skills Course and Hands-on Cadaver Lab. St. Louis, Missouri, USA

Languages

Spanish (Native)

English (Fluent)

Scientific societies

(2014-ongoing) Ordinary Member, International Society for Hip Arthroscopy, ISHA

(2017-ongoing) Ordinary Member, Sociedad Colombiana de Ortopedia y Traumatología, SCCOT

Research experience

(2015-ongoing) Consulting Researcher, Baylor Scott and White Research Institute, USA

(2010-ongoing) Senior Researcher, Grupo de Investigación GRINMADE, Colombia

Work experience

(2017-ongoing) Hip Surgeon, Clínica del Campestre, Medellín, Colombia

(2015-ongoing) Hip Surgeon, Clínica Las Américas, Medellín, Colombia

(2018-ongoing) Professor, School of Medicine, Universidad Pontificia Bolivariana

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(2015- ongoing) Professor, School of Medicine, Universidad de Antioquia

(2016-2020) Associate Editor, Revista Colombiana de Ortopedia y Traumatología

(2015-2020) International Research Consultant, BS&W Research Institute, USA

Awards and honors

1. (2020) Winner. Subspine impingement: from anatomy to endoscopic repair 87th Annual Meeting March 24th-28th, Orlando, USA.
2. (2018) Order of Merit, Sociedad Colombiana de Cirugía Ortopédica y Traumatología Categoría Gran Comendador. Cartagena, Colombia.
3. (2018) Winner. Rotator Cuff of the hip: from anatomy to endoscopic repair 85th Annual Meeting March 6-10, New Orleans, USA.
4. (2017) Winner. Ischiofemoral impingement: from anatomy to endoscopic decompression. 84th Annual Meeting March 14-18, San Diego, USA.
5. (2016) Winner. ISHA Basic Science Trainee Award. "Biomechanical effect of ischiofemoral impingement and femoral version on lumbar facet loads during hip extension". 8th ISHA Annual Scientific Meeting. San Francisco, USA.
6. (2015) Winner, Research Project Presentation at the 2015 TAMHSC, College of Medicine, Dallas, USA.
7. (2014) Winner. ISHA Traveling Fellowship Award. International Society for Hip Arthroscopy, Río de Janeiro, Brasil.
8. (2011) Winner. IATM - International Research Protocols in Musculoskeletal Science, Aruba. "Nuclear magnetic resonance arthrography for detecting cartilage and labral injuries in patients with femoroacetabular impingement". Oranjestad, Aruba.
9. (2007) Winner, Best doctor-patient relationship, Universidad de Antioquia, Medellín, Colombia.

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Participation in non-profit foundations

Mission Walk International. Joint replacement program for vulnerable people. Medellín, Colombia, 2018.

Published papers

1. Martin HD, Hatem M, Gómez-Hoyos J, Pérez-Carro L, Khoury A. Carbon dioxide gas endoscopy of the deep gluteal space, Baylor University Medical Center Proceedings, DOI:<https://doi.org/10.1080/08998280.2020.1776813>, 2020.
2. Márquez WH, Gómez-Hoyos J, Gallo JA, et al. Prevalence of labrum and articular cartilage injuries of the hip on 3T magnetic resonance imaging of asymptomatic elite soccer players. Prevalencia de lesiones del labrum y del cartílago articular de la cadera en imagen por resonancia magnética simple 3 T de futbolistas profesionales asintomáticos. *Rev Esp Cir Ortop Traumatol*. 2019;63(2):77–85.
3. Barros AAG, Vassalo CC, Costa LP, Gómez-Hoyos J, Paganini VO, Andrade MAP. Reliability of the Arthroscopic Classifications of Hip Chondral Lesions. *Rev Bras Ortop (Sao Paulo)*. 2019;54(4):440–446.
4. Gómez-Hoyos J, Martin RL, Martin HD. Current Concepts Review: Evaluation and Management of Posterior Hip Pain. *J Am Acad Orthop Surg*. 2018 Sep 1;26(17):597-609.
5. Guimarães A, Vassalo C, Costa P, Gómez-Hoyos J, de Oliveira V, Percoppe M. . *Rev Bras Ortop*. 2018, In press.
6. Martin RL, Schröder RG, Gomez-Hoyos J, Khoury AN, Palmer IJ, McGovern RP, Martin HD. Accuracy of 3 Clinical Tests to Diagnose Proximal Hamstrings Tears With and Without Sciatic Nerve Involvement in Patients With Posterior Hip Pain. *Arthroscopy*. 2018 Jan;34(1):114-121.
7. Márquez-Arabia WH, Gómez-Hoyos J, Gómez M, et al. Influence of Aging on Microvascular Supply of the Gluteus Medius Tendon: A Cadaveric and Histologic Study. *Arthroscopy*. 2017;33(7):1354–1360.
8. Martin HD, Khoury AN, Schroder R, Gomez-Hoyos J, Yeramanehi S, Reddy M, James Palmer I. The effects of hip abduction on sciatic nerve biomechanics during terminal hip flexion. *J Hip Preserv Surg*. 2017 Apr 11;4(2):178-186.
9. Martin HD, Khoury AN, Schröder R, Johnson E, Gómez-Hoyos J, Campos S, Palmer IJ. Contribution of the Pubofemoral Ligament to Hip Stability: A Biomechanical Study. *Arthroscopy*. 2016 Oct 5. [Epub ahead of print]
10. Gómez-Hoyos J, Khoury A, Schröder R, Johnson E, Palmer IJ, Martin HD. The Hip-Spine Effect: A Biomechanical Study of Ischiofemoral Impingement Effect on Lumbar Facet Joints. *Arthroscopy*. 2016 Sep 3. [Epub ahead of print]

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11. Gómez-Hoyos J, Schröder R, Reddy M, Palmer I, Martin HD. Femoral Neck Anteversion and Lesser Trochanteric Retroversion in Patients with Ischiofemoral Impingement: a case-control MRI study. *Arthroscopy*. 2016 Jan;32(1):13-8.
12. Gómez-Hoyos J, Martin R, Schröder R, Palmer I, Martin HD. Accuracy of two clinical tests for ischiofemoral impingement in patients with posterior hip pain and endoscopic-confirmed diagnosis. *Arthroscopy*. 2016 Jul;32(7):1279-84.
13. Hatem M, Schroder RG, Reddy M, Toye L, Gomez-Hoyos J, Khoury A, Martin HD. MRI study of the lesser trochanteric version and its relationship to proximal femoral osseous anatomy. *J Hip Preserv Surg*. 2015 Dec; 2(4): 410–416.
14. Gómez-Hoyos J, Schröder R, Reddy M, Palmer I, Khoury A, Martin HD. Iliopsoas tendon insertion footprint with surgical implications in lesser trochanterplasty for treating ischiofemoral impingement: an anatomic study. *J Hip Preserv Surg*. 2015 Dec; 2(4): 385–391.
15. Marquez WH, Arias LF, Martin HD, Gomez-Hoyos J. Surgical and histologic confirmation of psoas regeneration after arthroscopic tenotomy. *Arthroscopy*. 2015 Jul;31(7):1221-2.
16. Gomez-Hoyos J, Reddy M, Martin HD. Deep Gluteal Syndrome. *J Hip Preserv Surg* 2015 2: 99-107.
17. Gomez-Hoyos J, Reddy M, Martin HD. Dry Endoscopic-Assisted Mini-Open Approach With Neuromonitoring for Chronic Hamstring Avulsions and Ischial Tunnel Syndrome. *Arthrosc Tech*. 2014;4(3):e193-e199.
18. Gómez-Hoyos J, Schröder R, Reddy M, Palmer I, Khoury A, Martin HD. Is there a relationship between psoas impingement and increased trochanteric retroversion? *J Hip Preserv Surg* 2015 2: 164-169.
19. Márquez WH, Gómez-Hoyos J, Woodcock S, Arias LF, Sampson TG, Gallo JA. The regional microvascular density of the gluteus medius tendon determined by immunohistochemistry with CD31 staining: a cadaveric study. *Hip Int*. 2015 Mar-Apr;25(2):168-71.
20. Martínez D, Gómez-Hoyos J, Márquez W, Gallo J. Factors associated with the failure of arthroscopic surgery treatment in patients with femoroacetabular impingement: A cohort study. *Rev Esp Cir Ortop Traumatol*. 2015 Mar-Apr;59(2):112-21.
21. Márquez Arabia WH, Gómez-Hoyos J, Llano Serna JF, Aguilera Bohorquez B, Nossa Barrera JM, Márquez Arabia JJ, Clavijo Rodríguez MP, Gallo Villegas JA. Regrowth of the psoas tendon after arthroscopic tenotomy: a magnetic resonance imaging study. *Arthroscopy*. 2013 Aug;29(8):1308-13.
22. Márquez W, Márquez J, Gómez-Hoyos J. Injuries in Ballet Dancers. *Rev Cubana Ortop Traumatol*. 2013 (27)1. [Spanish]

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23. Márquez W, Gómez-Hoyos J, Llano J. Greater Trochanteric Pain Syndrome. Rev Colomb Ortop Traumatol. 2013;27(2):97-117. [Spanish]
24. Marquez W, Gómez-Hoyos J, Llano J, Aguilera B, Nossa J, Márquez J, Gallo J. The Arthroscopic Psoas Tenotomy in patients with Internal Snapping Hip: Technical note. Rev Col Or Tra 2012; 26(2): 89-98. [Spanish]
25. Gómez JC, Morales CH. Prophylactic fasciotomy and compartment syndrome of the extremities: are there justifiable indications? Rev Col Cir. 2011; 26(2):101-112. [Spanish]

Book chapters

1. Hip-Spine Effect: Hip Pathology Contributing to Lower Back, Posterior Hip, and Pelvic Pain: Clinical Evaluation and Management. Ed, Springer International, NY. 2019.
2. Deep Gluteal Syndrome: Clinical Evaluation and Management. Ed, Springer International, NY. 2019.
3. Sacroiliac Joint Pain: Clinical Evaluation and Management. Ed, Springer International, NY. 2019.
4. Pudendal Nerve Neuralgia/Entrapment: Clinical Evaluation and Management. Ed, Springer International, NY. 2019.
5. Ischiofemoral Impingement: Clinical Evaluation and Management. Ed, Springer International, NY. 2019.
6. Enfoque del dolor de cadera en el adulto. Ed, CIB, Colombia, 2018.

Published books

1. (2019) Martin HD, Gómez-Hoyos J. Posterior hip disorders: evaluation and treatment. Ed. Springer, NY (USA).
2. (2010) Gómez-Hoyos J. Cómo escribir y corregir un texto en las ciencias biomédicas. Ed. CIB. 2010. (Edición en Español)

Podium presentations – Instructional course lecture

1. (2020) Hip Webinar, 2020. Hip Arthroscopy: proper indications. Online, Latinamerica.
1. (2019) International Society for Hip Preservation ISHA Annual Meeting. The hip affects the spine. Madrid, Spain.
2. (2019) International Society for Hip Preservation ISHA Annual Meeting. Femoroacetabular impingement in a patient with multiple hereditary chondromatosis. Madrid, Spain.
3. (2019) Santander Hip Meeting 2019. Hamstring tears: when and how. Santander, Spain.
4. (2019) Santander Hip Meeting 2019. Peritrochanteric hip anatomy. Santander, Spain.

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5. (2019) Santander Hip Meeting 2019. Anterior Hip Anatomy. Santander, Spain.
6. (2019) Santander Hip Meeting 2019. Hamstring tears: anatomy and physical exam. Santander, Spain.
7. (2019) Santander Hip Meeting 2019. Physical examination of posterior hip pain. Santander, Spain.
8. (2019) Santander Hip Meeting 2019. Gluteus maximus transfer for gluteus medius deficiency. Santander, Spain.
9. (2018) XXVII Congreso Internacional de Dolor. Asociación Colombiana para el Estudio del Dolor. Medellín, Colombia.
10. (2017) 9th ISHA Annual Scientific Meeting. Hip Spine: Does the Hip Create Spinal Disease? Santiago de Chile, Chile.
11. (2017) 9th ISHA Annual Scientific Meeting. Deep gluteal syndrome: evaluation and treatment. Santiago de Chile, Chile.
12. (2017) 9th ISHA Annual Scientific Meeting. Hip anatomy advances over the past 10 Years - Overview. Santiago de Chile, Chile.
13. (2017) 9th ISHA Annual Scientific Meeting-LATAM Course. Portales y anatomía artroscópica de la cadera. Santiago de Chile, Chile.
14. (2017) Primer Curso Precongreso de Artroscopia de Cadera – Organización Sanitas Internacional. Examen físico en dolor anterior de la cadera. Bogotá, Colombia.
15. (2016) 8th ISHA Annual Scientific meeting. Diagnosis and differential diagnosis of posterior hip pain. Instructional Course Lecture. San Francisco, USA.
16. (2016) 8th ISHA Annual Scientific meeting. Portal placement central and peripheral compartment. Resident and Fellows course. San Francisco, USA.
17. (2016) 8th ISHA Annual Scientific meeting. Anterior hip: physical examination. Resident and Fellows course. San Francisco, USA.
18. (2016) Cali Cadera – Técnicas quirúrgicas y cirugía en vivo. Síndrome cadera-columna, syndrome del espacio subglúteo, pinzamiento isquiofemoral. Centro Médico Imbanaco, Cali, Colombia.
19. (2016) Qué hay de nuevo en Ortopedia? Artroscopia de cadera. Facultad de Medicina, Universidad de Antioquia, Medellín, Colombia.

Podium presentations – Original research

1. (2018) ORS 2018 Annual Meeting. Biomechanical Effect of Anterior Hip Impingement on Lumbar Intradiscal Pressure. Louisiana, USA.

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2. (2017) 9th ISHA Annual Scientific Meeting. Biomechanical effect of anterior hip impingement on lumbar intradiscal pressure. Santiago de Chile, Chile.
3. (2017) 9th ISHA Annual Scientific Meeting. The influence of pelvic tilt on the ischiofemoral space. Santiago de Chile, Chile.
4. (2017) El efecto biomecánico del pinzamiento isquiofemoral en la carga lumbar facetaria durante extensión de la cadera. Congreso Colombiano SCCOT, Cartagena, Colombia, 2017.
5. (2016) Biomechanical effect of ischiofemoral impingement and femoral version on lumbar facet loads during hip extension. 8th Annual Meeting of International Society of Hip Arthroscopy.
6. (2016) Influence of Aging on Microvascular Supply of the Gluteus Medius Tendon. 8th Annual Meeting of International Society of Hip Arthroscopy.
7. (2015) ISHA Traveling Fellowship Report. 7th Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kindom.
8. (2015) Iliopsoas tendon insertion footprint with surgical implications in lesser trochanterplasty for treating ischiofemoral impingement: an anatomic study. Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kindom.
9. (2015) The relationship of femoral neck version and lesser trochanter version with endoscopically confirmed extra-articular hip impingement. Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kindom.
10. (2015) Accuracy of two clinical tests for ischiofemoral impingement in patients with posterior hip pain and endoscopic-confirmed diagnosis. Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kindom.
11. (2013) The regional microvascular density of the gluteus medius tendon determined by immunohistochemistry with CD31 staining: a cadaveric study. Annual Meeting of International Society of Hip Arthroscopy. Munich, Germany.
12. (2013) Postoperative pain in patients who underwent hip arthroscopy with inside outside technique as compared to outsideinside technique: a prospective analytical study. Annual Meeting of International Society of Hip Arthroscopy. Munich, Germany.
13. (2012) The psoas tendon regenerates after arthroscopic tenotomy through the central compartment of the hip. V Meeting of Latin American Society of Knee Arthroscopy and Sports Medicine. Cartagena de Indias, Colombia.

Poster presentations – Original research

1. (2017) 9th ISHA Annual Scientific Meeting. Anatomic characteristics and variance of the ligamentum teres. Santiago de Chile, Chile.

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2. (2017) 9th ISHA Annual Scientific Meeting. Cross-sectional measurements of iliopsoas muscle-tendon at three levels of described arthroscopic tenotomies: an anatomic study in fresh cadaveric specimens. Santiago de Chile, Chile.
3. (2017) 9th ISHA Annual Scientific Meeting. Exploration of the deep gluteal space using CO₂ gas: identification of key anatomical structures in a cadaveric model. Santiago de Chile, Chile.
4. (2017) 9th ISHA Annual Scientific Meeting. Outcomes of femoral derotational osteotomy for decreased femoral anteversion: a case series. Santiago de Chile, Chile.
5. (2015) Hip capsular thickness differences after limited interportal capsulotomy for hip arthroscopy: a comparative MRI study. Annual Meeting Of International Society Of Hip Arthroscopy. Cambridge, United Kingdom.
6. (2015) Multidisciplinary approach to Deep Gluteal Syndrome: A case series. Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kingdom.
7. (2015) The Effects of Hip Abduction on Sciatic Nerve Biomechanics During the Kicking Motion. Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kingdom.
8. (2015) Does decreased femoral version influence pelvis and lumbar spine kinematics during gait? Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kingdom.
9. (2014) Cut-Off Using Suture Anchors After Pincer Correction In Patients With FAI Without Chondrolabral Junction Damage Shows No Difference In Treatment Outcomes: A Comparative Analytical Study. Annual Meeting of International Society for Hip Arthroscopy; Rio de Janeiro, Brasil.
10. (2014) Cut-Off Value Of The Alpha Angle For Predicting Acetabular Cartilage Damage In Patients With Cam-Type Femoroacetabular Impingement. Annual Meeting of International Society for Hip Arthroscopy; Rio de Janeiro, Brasil.
11. (2014) Treatment Outcomes Of Patients With Femoroacetabular Impingement And Coxa Profunda Versus Patients With Pincer Without Coxa Profunda. Annual Meeting of International Society for Hip Arthroscopy; Rio de Janeiro, Brasil.
12. (2013) The Safety of single stage bilateral hip arthroscopy: a comparative analytical study with 2.5year followup. Annual Meeting of International Society of Hip Arthroscopy. Munich, Germany.
13. (2012) The psoas tendon regenerates after arthroscopic tenotomy through the central compartment of the hip. Annual Meeting of International Society for Hip Arthroscopy; Boston, USA.
14. (2011) Magnetic Resonance Arthrography for Detecting Cartilage and Labral Injuries in Patients with Femoroacetabular Impingement. X International Symposium of MRI; Oranjestad, Aruba.