

## *Curriculum vitae* Juan Gómez-Hoyos, MD



## Juan Gómez-Hoyos, MD

Medicina y Cirugía, Universidad de Antioquia, Colombia  
Edición de Publicaciones, Universidad de Antioquia, Colombia  
Ortopedia y Traumatología, Universidad de Antioquia, Colombia  
Fellow en Artroscopia y Cirugía de la Cadera, Baylor University Medical Center, USA  
Traveling Fellow en Cirugía de la Cadera, ISHA, USA/Alemania/Suiza/Reino Unido

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### Educación y entrenamiento

#### Pregrado

(2007) Médico y Cirujano, Universidad de Antioquia, Colombia

#### Posgrados

(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) Ortopedia y Traumatología, Universidad de Antioquia, Medellín, Colombia.

## *Curriculum vitae* Juan Gómez-Hoyos, MD

(2009-10) Especialización en Edición de Publicaciones, Universidad de Antioquia, Medellín, Colombia.

### Pasantías Internacionales

(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.

### Cursos de cirugía en cadáveres

(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

### Idiomas

Español (Nativo)

Inglés (Fluente)

### Participación en sociedades científicas

(2014-vigente) Miembro de número, International Society for Hip Arthroscopy, ISHA

(2017-vigente) Miembto titular, Sociedad Colombiana de Ortopedia y Traumatología, SCCOT

### Experiencia en investigación

(2015-2020) Consulting Researcher, Baylor Scott and White Research Institute, USA

(2010-vigente) Investigador, Grupo de Investigación GRINMADE, Colombia

### Actividad laboral adjunta

(2016-vigente) Consulting Services, Hip Preservation Center at BS&W Research Institute, USA

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(2015-vigente) Profesor, Facultad de Medicina, Universidad de Antioquia

(2016-vigente) Editor Asociado, Revista Colombiana de Ortopedia y Traumatología

### Premios y reconocimientos

1. (2020) Winner. Subspine impingement: from anatomy to endoscopic repair 87<sup>th</sup> Annual Meeting March 24<sup>th</sup>-28<sup>th</sup>, Orlando, USA.
2. (2018) Orden al Mérito de la Sociedad Colombiana de Cirugía Ortopédica y Traumatología Categoría Gran Comendador. Cartagena, Mayo 25 del 2018.
3. (2018) Primer puesto video conferencia. Rotator Cuff of the hip: from anatomy to endoscopic repair 85<sup>th</sup> Annual Meeting March 6-10, New Orleans, Estados Unidos.
4. (2017) Primer puesto videoconferencia. Ischiofemoral impingement: from anatomy to endoscopic decompression. 84<sup>th</sup> Annual Meeting March 14-18, San Diego, Estados Unidos.
5. (2016) Primer puesto. ISHA Basic Science Trainee Award. "Biomechanical effect of ischiofemoral impingement and femoral version on lumbar facet loads during hip extension". 8<sup>th</sup> ISHA Annual Scientific Meeting. San Francisco, Estados Unidos, 2016.
6. (2015) Primer puesto, Research Project Presentation at the 2015 TAMHSC, College of Medicine, Dallas, USA
7. (2014) Primer puesto. ISHA Traveling Fellowship Award. International Society for Hip Arthroscopy, Río de Janeiro, Brasil.
8. (2011) Primer puesto. 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) Condecoración, Mejor relación Médico-Paciente, Universidad de Antioquia, Medellín, Colombia.

### Participación en obras humanitarias de impacto social

Mission Walk International. Programa de reemplazos articulares gratuitos para pacientes de bajos recursos económicos. Medellín, Colombia, 2018.

### Artículos publicados

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.

## *Curriculum vitae* Juan Gómez-Hoyos, MD

- 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.
- Guimarães A, Vassalo C, Costa P, Gómez-Hoyos J, de Oliveira V, Percoppe M. . *Rev Bras Ortop*. 2018, In press.
- 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.
- Márquez-Arabia WH, Gómez-Hoyos J, Gómez M, Flórez I, Gallo JA, Monsalve F, Arias LF, Martin HD. Influence of Aging on Microvascular Supply of the Gluteus Medius Tendon: A Cadaveric and Histologic Study. *Arthroscopy*. 2017 Jul;33(7):1354-1360.
- 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.
- 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]
- 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]
- 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.
- 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.
- 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.
- 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.
- 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.
- Gomez-Hoyos J, Reddy M, Martin HD. Deep Gluteal Syndrome. *J Hip Preserv Surg* 2015 2: 99-107.

## *Curriculum vitae* Juan Gómez-Hoyos, MD

15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. Márquez W, Márquez J, Gómez-Hoyos J. Injuries in Ballet Dancers. *Rev Cubana Ortop Traumatol.* 2013 (27)1. [Spanish]
21. Márquez W, Gómez-Hoyos J, Llano J. Greater Trochanteric Pain Syndrome. *Rev Colomb Ortop Traumatol.* 2013;27(2):97-117. [Spanish]
22. 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]
23. 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]

### Capítulos de libros

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.

## *Curriculum vitae* Juan Gómez-Hoyos, MD

### Libros publicados

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)

### Presentaciones en podium – Conferencista Invitado

1. (2020) Hip Webinar, 2020. Hip Arthroscopy: proper indications. Online, Latinamerica.
2. (2019) Santander Hip Meeting 2019. Hamstring tears: when and how. Santander, España.
3. (2019) Santander Hip Meeting 2019. Peritrochanteric hip anatomy. Santander, España.
4. (2019) Santander Hip Meeting 2019. Anterior Hip Anatomy. Santander, España.
5. (2019) Santander Hip Meeting 2019. Hamstring tears: anatomy and physical exam. Santander, España.
6. (2019) Santander Hip Meeting 2019. Physical examination of posterior hip pain. Santander, España.
7. (2019) Santander Hip Meeting 2019. Gluteus maximus transfer for gluteus medius deficiency. Santander, España.
8. (2018) XXVII Congreso Internacional de Dolor. Asociación Colombiana para el Estudio del Dolor. Medellín, Colombia.
9. (2017) 9th ISHA Annual Scientific Meeting. Hip Spine: Does the Hip Create Spinal Disease? Santiago de Chile, Chile.
10. (2017) 9th ISHA Annual Scientific Meeting. Deep gluteal syndrome: evaluation and treatment. Santiago de Chile, Chile.
11. (2017) 9th ISHA Annual Scientific Meeting. Hip anatomy advances over the past 10 Years - Overview. Santiago de Chile, Chile.
12. (2017) 9th ISHA Annual Scientific Meeting-LATAM Course. Portales y anatomía artroscópica de la cadera. Santiago de Chile, Chile.
13. (2017) Primer Curso Precongreso de Artroscopia de Cadera – Organización Sanitas Internacional. Examen físico en dolor anterior de la cadera. Bogotá, Colombia.
14. (2016) 8<sup>th</sup> ISHA Annual Scientific meeting. Diagnosis and differential diagnosis of posterior hip pain. Instructional Course Lecture. San Francisco, Estados Unidos.
15. (2016) 8<sup>th</sup> ISHA Annual Scientific meeting. Portal placement central and peripheral compartment. Resident and Fellows course. San Francisco, Estados Unidos.
16. (2016) 8<sup>th</sup> ISHA Annual Scientific meeting. Anterior hip: physical examination. Resident and Fellows course. San Francisco, Estados Unidos.

## *Curriculum vitae* Juan Gómez-Hoyos, MD

17. (2016) Cali Cadera – Técnicas quirúrgicas y cirugía en vivo. Síndrome cadera-columna, syndrome del espacio subglúteo, pinzamiento isquiofemoral. Centro Médico Imbanaco, Cali, Colombia.
18. (2016) Qué hay de nuevo en Ortopedia? Artroscopia de cadera. Facultad de Medicina, Universidad de Antioquia, Medellín, Colombia.

### Presentaciones en podium – Investigación original

1. (2018) ORS 2018 Annual Meeting. Biomechanical Effect of Anterior Hip Impingement on Lumbar Intradiscal Pressure. Louisiana, USA.
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. 8<sup>th</sup> Annual Meeting of International Society of Hip Arthroscopy.
6. (2016) Influence of Aging on Microvascular Supply of the Gluteus Medius Tendon. 8<sup>th</sup> Annual Meeting of International Society of Hip Arthroscopy.
7. (2015) ISHA Traveling Fellowship Report. 7<sup>th</sup> 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.

## *Curriculum vitae* Juan Gómez-Hoyos, MD

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.

### Presentaciones en póster – Investigación original

1. (2017) 9th ISHA Annual Scientific Meeting. Anatomic characteristics and variance of the ligamentum teres. Santiago de Chile, Chile.
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 Kindom.
6. (2015) Multidisciplinary approach to Deep Gluteal Syndrome: A case series. Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kindom.
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 Kindom.
8. (2015) Does decreased femoral version influence pelvis and lumbar spine kinematics during gait? Annual Meeting of International Society of Hip Arthroscopy. Cambridge, United Kindom.
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.



## *Curriculum vitae* Juan Gómez-Hoyos, MD

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. Anual 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 Femoroactabular Impingement. X International Symposium of MRI; Oranjestad, Aruba.