

Scott Alan Kelly M.D., FAAPMR

Interventional Spine Specialist | Medico-Legal Consultant | IME/DME Expert Witness

Board-certified Interventional Spine Specialist with more than 20 years of clinical experience in advanced spine interventions, non-operative pain management, and musculoskeletal medicine. Widely respected for delivering clinical excellence and for a dual-career focus encompassing both direct patient care and medico-legal expertise.

Extensively experienced in conducting Independent Medical Examinations (IMEs), Defense Medical Examinations (DMEs), personal injury assessments, and detailed medical record reviews. Frequently retained as a medical expert witness in high-stakes legal proceedings, providing impartial, evidence-based evaluations that are clear, comprehensive, and legally defensible. Known for meticulous attention to detail, diagnostic accuracy, and unwavering professional integrity in both plaintiff and defense cases.



PROFESSIONAL DISTINCTIONS

- *America's Best Physicians, National Consumer Advisory Board (2018–2025)*
- *Leading Physicians of the World, IAHCPC (2018–2019)*
- *America's Most Honored Professionals, American Registry (2018–2019)*
- *Top Doctor, Castle Connolly (2015–2019)*
- *Top Doctor, Atlanta Magazine (2016–2019)*
- *NCAA All-American, Emory University Men's Soccer*
- *Alpha Lambda Delta Honor Society*
- *Outstanding College Student of America*
- *National Leadership Organization*
- *Who's Who in College Athletics, Emory University*

PROFESSIONAL EXPERIENCE

Interventional Spine Specialist

Atlanta Orthopaedic Institute

2023 - Present

Providing advanced clinical care specializing in spine procedures and musculoskeletal medicine at a leading orthopaedic institute, delivering expert patient management and contributing to interdisciplinary care initiatives.

Chief Medical Officer

CytoDyn Inc

2020–2022

In the capacity of Chief Medical Officer at CytoDyn Inc., I provided strategic medical leadership for a publicly traded biotechnology firm specializing in immunotherapy. I was responsible for directing clinical development programs and ensuring alignment between research, development, and operational functions. Additionally, I acted as a medical liaison to regulatory agencies, clinical investigators, and external stakeholders, guiding the company's clinical and scientific initiatives.

Chief Medical Officer

Prospira, LLC

2018–2020

As Chief Medical Officer for Prospira, LLC, I provided executive oversight of clinical strategy for a healthcare startup focused on integrative spine and musculoskeletal care models. I guided the development of clinical pathways, spearheaded digital health integration initiatives, and established quality standards for provider networks, supporting scalable growth and operational excellence.

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Medical Director, Resurgens Spine Center

Resurgens Orthopaedics

2013–2020

As Medical Director of the Resurgens Spine Center, I led clinical operations and multidisciplinary teams at one of the largest and most respected spine care facilities in the Southeastern United States. My role encompassed implementing evidence-based protocols, enhancing patient outcomes, and driving operational efficiencies while providing oversight to physicians and collaborating with surgical and rehabilitation departments.

Director, Resurgens Safety Council

Resurgens Orthopaedics

2002–2013

I established and chaired the Resurgens Safety Council, tasked with advancing clinical safety standards and risk management across the organization. In this role, I developed and implemented quality assurance programs and clinical incident review processes, ensuring compliance with regulatory requirements and promoting a culture of patient safety.

Physician

Piedmont Minor Emergency Clinic

2001–2002

Provided urgent care treatment for minor injuries and acute illnesses within an outpatient emergency setting.

Physician

Healthcare Partners, Urgent Care Medicine

1999–2001

Managed acute care cases in a high-volume urgent care environment, ensuring timely and effective treatment.

Emergency Medicine Physician

Grady Memorial Hospital

1997–2000

Delivered emergency medical care in a Level 1 trauma center, managing complex and critical patient cases with a focus on rapid assessment and intervention.

CERTIFICATIONS & LICENSES

- *Fellow, American Board of Physical Medicine and Rehabilitation, 2001*
- *DEA Certification, 1998*
- *Georgia State Medical License, 1997*
- *USMLE Step 1, 1994*
- *USMLE Step II, 1996*
- *USMLE Step III, 1998*

PROFESSIONAL TRAINING & CERTIFICATIONS

- *Disc-FX Cervical Minimally Invasive Spine System, 2025*
- *Disc-FX Lumbar Minimally Invasive Spine System, 2024*
- *Elliquence Endoscopic Facet Denervation, 2024*
- *Discseel – Interventional Spine Course, 2023*

PROCEDURAL EXPERTISE

- *Disc-Fx Lumbar Discectomy, Nucleoplasty, Annuloplasty*
- *Disc-Fx Cervical Discectomy, Nucleoplasty, Annuloplasty*
- *Endoscopic Facet Denervation*
- *Electromyography and Nerve Conduction Studies*
- *Caudal Epidural Injections*

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- *Interlaminar Lumbar Epidurals*
- *Transforaminal Epidural Injections*
- *Lumbar Facet Joint Injections*
- *Selective Nerve Root Injections*
- *Sacroiliac Joint Injections*
- *Radiofrequency Neurotomy*

PROFESSIONAL AFFILIATIONS

- *American Board of Physical Medicine and Rehabilitation*
- *Recertification Examination Writer ABPMR*
- *Spine Intervention Society*
- *American Academy of Physical Medicine and Rehabilitation*
- *Sports Medicine Special Interest Group*
- *Neurophysiology Special Interest Group*
- *American Medical Association*
- *American College of Physicians, American Society of Internal Medicine*
- *Organization for Student Representatives, Medical College of Georgia*
- *Clinical Mentor, Medical College of Georgia*
- *Physical Diagnosis Instructor, Medical College of Georgia*
- *Outstanding College Students of America, University of Georgia*

HOSPITAL AFFILIATIONS

- *AOI Surgery Center, 2023 – Present*
- *Orthopaedics South Surgery Center, 2005 – 2020*
- *Resurgens Fayetteville Spine Center, 2018 – 2020*
- *Mt. Zion Surgical Center, 2002 – 2005*

EDUCATION

Internship, Department of Physical Medicine and Rehabilitation Emory University Residency Training Program, Atlanta, GA	June 1997 – July 2000
Internship, Department of Obstetrics and Gynecology Emory University Residency Training Program, Atlanta, GA	July 1996 – June 1997
Doctor of Medicine (M.D.) Medical College of Georgia School of Medicine, Augusta, GA	June 1996
Bachelor of Psychology Emory University, Atlanta, GA	May 1992
High School Diploma The Lovett School, Atlanta, GA	May 1988

PUBLICATIONS

- September 2022** **Reduced Cell Surface Levels of C-C Chemokine Receptor 5 and Immunosuppression in Long Coronavirus Disease 2019 Syndrome Clin Infect Dis**
Gaylis NB, Ritter A, Kelly SA, Pourhassan NZ, Tiwary M, Sacha JB, Hansen SG, Recknor C, Yang OO. doi: 10.1093/cid/ciac226. PMID:35452519; PMCID: PMC9383814.
- March 2022** **Suppression of human and simian immunodeficiency virus replication with the CCR5-specific Antibody Leronlimab in two species PLoS Pathog**
Chang XL, Reed JS, Webb GM, Wu HL, Le J, Bateman KB, Greene JM, Pessoa C, Waytashek C, Weber WC, Hwang J, Fischer M, Moats C, Shiel O, Bochart RM, Crank H, Siess D, Giobbi T, Torgerson J, Agnor R, Gao L, Dhody K, Lalezari JP, Bandar IS, Carnate AM, Pang AS, Corley MJ, Kelly S, Pourhassan N, Smedley J, Bimber BN, Hansen SG, Ndhlovu LC, Sacha JB. doi: 10.1371/journal.ppat.1010396. PMID: 35358290; PMCID:PMC8970399.
- November 2021** **CCR5 Receptor Occupancy Analysis Reveals Increased Peripheral Blood CCR5+CD4+ T Cells Following Treatment With the Anti-CCR5 Antibody Leronlimab Front Immunol**
Chang XL, Wu HL, Webb GM, Tiwary M, Hughes C, Reed JS, Hwang J, Waytashek C, Boyle C, Pessoa C, Sylwester AW, Morrow D, Belica K, Fischer M, Kelly S, Pourhassan N, Bochart RM, Smedley J, Recknor CP, Hansen SG, Sacha JB. doi: 10.3389/fimmu.2021.794638. PMID: 34868084; PMCID: PMC8640501.
- June 2021** **Antibody-based CCR5 blockade protects Macaques from mucosal SHIV transmission Nat Commun**
Chang XL, Webb GM, Wu HL, Greene JM, Abdulhaqq S, Bateman KB, Reed JS, Pessoa C, Weber WC, Maier N, Chew GM, Gilbride RM, Gao L, Agnor R, Giobbi T, Torgerson J, Siess D, Burnett N, Fischer M, Shiel O, Moats C, Patterson B, Dhody K, Kelly S, Pourhassan N, Magnani DM, Smedley J, Bimber BN, Haigwood NL, Hansen SG, Brown TR, Ndhlovu LC, Sacha JB. doi: 10.1038/s41467-021-23697-6. PMID: 34099693; PMCID:PMC8184841.
- 2021** **Disruption of CCR5 signaling to treat COVID-19-associated cytokine storm: Case series of four critically ill patients treated with leronlimab J Transl Autoimmun**
Agresti N, Lalezari JP, Amodeo PP, Mody K, Mosher SF, Seethamraju H, Kelly SA, Pourhassan NZ, Sudduth CD, Bovinet C, ElSharkawi AE, Patterson BK, Stephen R, Sacha JB, Wu HL, Gross SA, Dhody K. doi: 10.1016/j.jtauto.2021.100083. Epub 2021 Jan 6. PMID: 33521616; PMCID:PMC7823045.
- February 2021** **CCR5 inhibition in critical COVID-19 patients decreases inflammatory cytokines increases CD8 T-cells, and decreases SARS-CoV2 RNA in plasma by day 14 Int J Infect Dis**
Patterson BK, Seethamraju H, Dhody K, Corley MJ, Kazempour K, Lalezari J, Pang APS, Sugai C, Mahyari E, Francisco EB, Pise A, Rodrigues H, Wu HL, Webb GM, Park BS, Kelly S, Pourhassan N, Lelic A, Kdouh L, Herrera M, Hall E, Bimber BN, Plassmeyer M, Gupta R, Alpan O'Halloran JA, Mudd PA, Akalin E, Ndhlovu LC, Sacha JB. doi:10.1016/j.ijid.2020.10.101. Epub 2020 Nov 10. PMID: 33186704; PMCID:PMC7654230.

PERSONAL LIFE

Dr. Scott A. Kelly, born November 19, 1969, is a dedicated physician and father to Caelyn Colette Kelly and Elizabeth Celeste Kelly. Beyond his professional accomplishments, he maintains a deep personal interest in collecting art, global travel, and healthful living through regular physical activity. He is the author of ***What I've Learned from You: The Lessons of Life Taught to a Doctor by His Patients (2015)***, an introspective work drawn from his early experiences in trauma care and patient interaction. Inspired by personal journals kept during his medical training, the book reflects on the profound insights gained from patients and their families, highlighting themes of healing, compassion, and the human condition. Through this work, Dr. Kelly aims to bring empathy and humanity to the forefront of modern medical practice, offering enduring lessons to both his children and the broader public.