

Sameer Jain, MD

WORK EXPERIENCE

- **August 2018- Present** Pain Treatment Centers of America, Little Rock, AR

EDUCATION

FELLOWSHIP

- **2017-2018** **Interventional Pain Management**
Thomas Jefferson University Hospital, Philadelphia, PA

RESIDENCY

- **2014-2017** **Neurology**
Drexel University College of Medicine/Hahnemann University Hospital, Philadelphia, PA

PRELIMINARY YEAR

- **2013-2014** **Internal Medicine**
Mercy Catholic Medical Center, Darby, PA

MBBS

- **2006-2011** **Bachelor of Medicine and Surgery**
Maulana Azad Medical College, Delhi, India

BOARD CERTIFICATIONS

- Neurology (American Board of Psychiatry and Neurology) Passed First attempt (09/2017)
- Pain Medicine (American Board of Psychiatry and Neurology) Passed First attempt (09/2019)

EDITORIAL BOARD MEMBER

- Pain Physician (Section editor- regenerative medicine)- Official Journal of American Society of Interventional Pain Physicians
- Journal of Pain Research- Official Journal of American Society of Pain and Neuroscience
- Korean Journal of Pain

MEMBERSHIPS

- American Pain Association
- American Society of Interventional Pain Physicians
- International Neuromodulation Society
- American Society of Pain and Neuroscience
- American Academy of Pain Medicine
- American Pain Society
- North American Neuromodulation Society
- American Academy of Neurology

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CONSULTANCY AGREEMENTS

- Surgentec - 2022
- Verteloc - 2022
- Camber Spine: 2021- Present
- Southern Spine: 2021- Present
- Flowonix 2020-Present
- Omnia Medical 2020-Present
- Nuvectra: September 2019-2020

LANGUAGES SPOKEN

- English (understand and speak fluently)
- Hindi (understand and speak fluently)
- Punjabi (understand and speak fluently)
- Urdu (understand fluently and can speak casually)

PUBLICATIONS

- **The American Society of Pain and Neuroscience (ASPEN) Evidence- Based Clinical Guideline of Interventional Treatments for Low Back Pain**
Dawood Sayed, Jay Grider, Natalie Strand, Jonathan Hagedorn, Steven Falowski, Christopher Lam, Vinicus Tieppo Francio, Doub Beall, Nestor Tomycz, Justin Davanzo, Rhit Aiyer, David Lee, Hemant Kalia, Soun Sheen, Mark Malinowski, Michael Verdolin, Shashank Vodapally, Alexios Carayannopoulos, Sameer Jain , Nomen Azeem, Reda Tolba, George Chang Chien, Priyanka Ghosh, Anthony Mazzola, Kasra Amirdelfan, Krishanan Chakravarthy, Erika Petersen, Michael Schatman, Timothy Deer
Published (Dec, 2022): Journal of Pain Research
- **Steroid in chronic subdural hematoma: an updated systematic review and meta-analysis post DEX-CSDH Trial**
Dhan Bahadur Shrestha, Pravash Budhathoki, Yub Raj Sedhai, Sameer Jain, Pearlbiga Karki, Pinky Jha, Gaurab Mainali, Prajwal Ghimire
Published (Feb , 2022): World Neurosurgery
- **A systematic review of full endoscopic versus micro-endoscopic or open discectomy for lumbar disc herniation**
Rohit Aiyer, Selaiman Noori, Frank Schirripa, Michael Schirripa, Sameer Jain, Talal Aboud, Neel Mehta, Eric Elowitz, Markian Pahuta, Sukdeb Datta
Published (July, 2021) : [Pain Management](#)
- **Treatment of knee osteoarthritic pain with platelet-rich plasma: a systematic review of clinical studies**
Rohit Aiyer, Selaiman Noori, Frank Schirripa, Michael Schirripa, Talal Aboud, Sameer Jain, Amitabh Gulati, Vinay Puttannah, Semih Gungor, Corey Hunter
Published (March,2021) : [Pain Management](#)
- **Spinal cord stimulation for the treatment of neuropathic pain : Expert opinion and 5-year outlook**
Mark Malinowski, Sameer Jain, Navdeep Jassal, Timothy Deer

Published (July,2020): [Expert review of medical devices](#)

- **Minimally invasive lumbar decompression: A review of indications, techniques, efficacy, and safety**
Sameer Jain, Timothy Deer, Dawood Sayed, Pooja Chopra, Sayed Wahezi, Navdeep Jassal, Jackie Weisbein, Jessica Jameson, Mark Malinowski, Stanley Golovac
Published (July, 2020) : [Pain Management](#)
- **A Systematic Literature Review of Spine Neurostimulation Therapies for the Treatment of Pain**
Timothy R Deer, Jay S Grider, Tim J Lamer, Jason E Pope, Steven Falowski, Corey W Hunter, David A Provenzano, Konstantin V Slavin, Marc Russo, Alexios Carayannopoulos, Jay M Shah, Michael E Harned, Jonathan M Hagedorn, Robert B Bolash, Jeff E Arle, Leo Kapural, Kasra Amirdelfan, Sameer Jain, Liong Liem, Jonathan D Carlson, Mark N Malinowski, Markus Bendel, Ajax Yang, Rohit Aiyer, Ali Valimahomed, Ajay Antony, Justin Craig, Michael A Fishman, Adnan A Al-Kaisy, Nick Christelis, Richard W Rosenquist, Robert M Levy, Nagy Mekhail
Published (Feb, 2020) : [Pain Medicine](#)
- **A Systematic Literature Review of Peripheral Nerve Stimulation Therapies for the Treatment of Pain.**
Deer TR, Esposito MF, McRoberts WP, Grider JS, Sayed D, Verrills P, Lamer TJ, Hunter CW, Slavin KV, Shah JM, Hagedorn JM, Simopoulos T, Gonzalez DA, Amirdelfan K, Jain S, Yang A, Aiyer R, Antony A, Azeem N, Levy RM, Mekhail N
Published (Mar, 2020) : [Pain Medicine](#)
- **Intrathecal drug delivery for pain management: recent advances and future developments**
Jain S, Malinowsky M, Chopra P, Varshney V, Deer T
Published (July, 2019) : [Expert Opinion on Drug Delivery](#)
- **Relation of Obesity to Outcomes of Hospitalizations for Atrial Fibrillation**
Manyoo A. Agarwal MD^a, Lohit Garg MD^b, Mahek Shah MD^b, Brijesh Patel DO^b, Nidhi Jain MD^a, Sameer Jain MD^c, Rajesh Kabra MD^d, Csaba Kovesdy MD^e, Guy L. Reed MD^f, Carl J. Lavie MD^g
Published (Jan 2019): [American Journal of Cardiology](#)
- **Neurostimulation for intractable chronic pain**
Deer T, Jain S, Hunter C, Chakravarthy K
Published (Jan, 2019) : [Brain Sciences](#)
- **Spinal cord stimulation for the treatment of neuropathic pain**
Malinowski M, Jain S, Jassal N, Deer TR
Under review (,2018): [Expert review of medical devices](#)
- **Invited commentary on preventive antimigraine therapy**
Jain S, Silberstein S
Published (Feb, 2019): [Current treatment options in neurology](#)
- **New advances in neuromodulation**
Jain S, Deer TR
Published (Oct, 2018): [Current anesthesiology reports](#)
- **Erenumab in the treatment of migraine**
Jain S, Yuan H, Spare N, Silberstein S
Published (September, 2018): [Pain Management](#)
- **Significant cranial lead migration with use of externally powered spinal cord stimulator**
Jain S, Fishman MA, Wu C

Published (September, 2018): [BMJ Case Reports](#)

- **Infantile spasms (West Syndrome)**
K Xixis, [S Jain](#), P Auth, R Clancy, A Rusgo
Published (Feb, 2019) : [Statpearls \(Internet\)](#)
- **Cough Headache**
[Jain S](#), Jhunjhunwala K, Silberstein S
Published (July 2018): [Medlink Neurology](#)
- **Cervicogenic Headache**
Al Khalili Y, [Jain S](#)
Published (June 2018): [Statpearls \(Internet\)](#)
- **Carbamazepine Toxicity**
Al Khalili Y, [Jain S](#)
Published (June 2018): [Statpearls \(Internet\)](#)
- **Retinal Migraine Headache**
Al Khalili Y, [Jain S](#)
Published (June 2018): [Statpearls \(Internet\)](#)
- **Brachial Neuritis**
Al Khalili Y, [Jain S](#)
Published (April, 2018): [Statpearls \(Internet\)](#)
- **Epidural Blood Patch**
Tubben RE, [Jain S](#)
Published (Feb, 2018): [Statpearls \(Internet\)](#)
- **Autism and Neuroinflammatory Biomarkers: A Mini Review**
Al-Khalili Y, [Jain S](#)
Published (October, 2017): [Psychology and Behavioral Science International Journal \(PBSIJ\)](#)
- **Using Pharmacogenomics as an effective tool in minimizing drug related side effects in patients with Chronic Regional Pain Syndrome: A feasibility study (Abstract)**
[Jain S](#), Bakhtiari S, Laroche M, Maxwell C, Cruciani RA
Published (April, 2017): [Journal of Pain](#)
- **Could depression be a causative factor in the development of CRPS type 1? (Abstract)**
Danesh A, [Jain S](#), Alkhalili Y
Published (April, 2017): [Journal of Pain](#)
- **Comparison of ECG and Holter monitoring on the detection of QTc prolongation in patients with chronic pain treated with methadone (Abstract)**
[Jain S](#), Arthur K, Ko W, Maxwell C, Cruciani RA
Published (March, 2017): [Pain Medicine](#)
- **IVIG and IV Lidocaine- Potential candidates in management of Chemotherapy Induced Peripheral Neuropathy: A Case Report (Abstract)**
[Jain S](#), Aradillas E
Published (March, 2017): [Pain Medicine](#)
- **Depression Among Inpatients with Low Back Pain: Patient Characteristics and Outcomes (Abstract)**

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Gupta S, Wadhwa V, **Jain S**
Published (March, 2017): [Pain Medicine](#)

- **Evaluating the risk of opioid abuse in chronic pain patients by addiction psychiatry fellows in an academic pain center**
Lesenkyj MA, Danesh A, **Jain S**, Maxwell C, Perkel C, Cruciani RA
Published (November, 2016): [Juniper Online Journal of Case Reports](#)

CURRENT CLINICAL TRIALS

- **Transitioning to a Valve -Gated Intrathecal Drug Delivery System (IDDS): An Open-Label, Non-Randomized, Single-Blind, Multi-Center Study (TRANSIT)**
Pain treatment centers of America
- **Longitudinal Study to Better Understand Neuropathic Back Pain as a Means of Improving Patient Selection for HF10 (Nevro SCS)**
Department of Neurosurgery, Thomas Jefferson University Hospital
Preceptor- Dr. Chengyuan Wu

BOOK CHAPTERS

- **Percutaneous lumbar decompression**
Sameer Jain MD, Navdeep Jassal MD
Minimally invasive spine surgery for the interventional pain physician
- **Management of spinal cord compression**
Pooja Chopra MD, Sameer Jain MD, Lakshmi Koyalagunta MD
Problem oriented palliative care
- **Cervical Facet and Medial Branch Blocks**
Ajax Yang, MD, Jonathan Hagedorn, MD, **Sameer Jain, MD**, Jay M. Shah, MD
Deer's Treatment of Pain – An Illustrated Guide
- **Cervical Facet Radiofrequency**
Ajax Yang, MD, Jonathan Hagedorn, MD, Jay M. Shah, MD, **Sameer Jain, MD**
Deer's Treatment of Pain – An Illustrated Guide
- **Lumbar Facet and Medial Branch Blocks**
Sameer Jain, MD, Jonathan Hagedorn, MD, Jay M. Shah, MD, Ajax Yang, MD
Deer's Treatment of Pain – An Illustrated Guide
- **Dorsal root ganglion stimulation**
Jeff Arle's Casebook of neuromodulation

ORAL PRESENTATIONS

- **Intrathecal Pump therapy**
American society of pain and neuroscience (2021)
- **Advanced innovations for pain**
Presented at Annual Drexel Research Day - June 2017
- **Potential impact of testing genes involved in metabolism of common drugs used in the treatment of patients with CRPS**
Presented at Annual Drexel Research Day - June 2016
- **Effects of IV Lidocaine Infusion on chemotherapy induced chronic neuropathic pain**
Presented at Annual Drexel Research Day - June 2015
- **Abdominal Pain and Distension in Infancy**
Presented at Surgery summit, MAMC, Delhi, India - June 2010.
- **Facial Nerve Palsy**
Presented at Symposium, Department Of ENT, MAMC, Delhi, India - October 2009
- **Treatment modalities for Peptic Ulcer Disease**
Presented at Pharmacology Case Study, MAMC, Delhi, India - November 2007

PROCTORSHIP/FACULTY APPOINTMENTS ROLE

- Associate faculty at American Society of Pain and Neuroscience- Miami, Florida (July, 2022)
- Associate faculty at American Society of Pain and Neuroscience- Miami, Florida (July, 2021)
- Proctored Advanced spinal cord stimulation lab at World academy of pain medicine united – Dallas, TX (Mar, 2021)
- Proctored Spinal cord stimulation trial and implantation cadaver lab- Little rock, AR (Nov, 2019)

LEADERSHIP POSITIONS

- Editorial Board Member- Journal of Pain Research (Official Journal of American Society of Pain and Neuroscience)
- Section Editor for Regenerative medicine- Pain Physician (Official Journal of American Society of Interventional Pain Physicians) (2020-present)
- Editorial board member- Korean Journal of Pain (2019-present)
- Bentham Science Ambassador (United States) (2019-present)
- Invited Member- North American Neuromodulation Society leadership summit. (2019)
- Invited Member- North American Neuromodulation Society Advocacy and policy committee. (2019)
- Invited Member- International Neuromodulation Society, Young neuromodulators committee. (2019)

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- Editorial Board Member- Pain Physician (Official Journal of American Society of Interventional Pain Physicians) (2019-present)
- Board Member – American Society of Pain and Neuroscience (2018-present)
- Co-Chair of Residents and Fellows Section - North American Neuromodulation Society (2018-2019)
- Board Member- Medical Records Committee at Thomas Jefferson University Hospital (2017-2018)
- Initiated and lead Drexel Neuroscience Institute community outreach program as part of QI project. (2017)
- Chair of residents and fellows’ consortium– American Pain Association. (2016-2017)
- Initiated and lead Drexel Neuroscience Institute board review series for resident teaching. (2016-2017)
- Class Representative (PGY 1 Class), Mercy Catholic Medical Center. (2013-2014)
- Elected Vice President student association, Maulana Azad Medical College. (2010-2011)
- Elected Hostel secretary, Maulana Azad Medical College. (2009-2010)
- President – Resident section of A.P.A.R.T (Association for Pain Awareness Research and Treatment) – involved with setting up various camps in rural areas in India to provide free pain treatment. (2006-Present)
- Co-founder www.dr.circle.com - Online social portal for physicians. (2006-Present)
- Lead the team of medical students in Intensive Pulse Polio Immunization Program, a Govt. of India initiative for eradication of Polio. (2006-2011)

MEDIA APPEARANCES-

- Interviewed by THV11 in reference to spinal stenosis- April, 2019

OTHER AWARDS, RECOGNITIONS AND ACCOMPLISHMENTS-

- Won best scientific poster award at Eastern Pain Society annual meeting, (New York city, NY) (2017)
- Recipient of Best researcher scholarship, Annual research day, Drexel Neurosciences Institute. (2016)
- Member of Editorial Team, HealthTime TV show, ABC network. (2009-2015)
- Honorary membership by LIONS CLUB, DELHI– For efforts in spreading awareness regarding blood donation and conducting various blood donation camps. (2009)
- Recipient of KVPY scholarship, a Govt. of India initiative to encourage research aptitude among students. (2007)
- Selected amongst top 15 students to represent India in International Chemistry Olympiad, received Certificate of Merit. (2005)
- School Merit Scholarship for outstanding performance in Pre-Medical Entrance Exams. (2006)
- National Science Talent Search Examination Scholar, National Council of Educational Research and Training (NCERT), India. (2004)

