

**SHUSHOVAN CHAKRABORTTY, MD, PhD**  
**Pain Management Specialist**  
**East West Pain Institute**

**EDUCATION**

- 1989-1994 **Kobe University School of Medicine, Kobe, Japan**  
Degree awarded: Residency and Ph. D. (Neurosurgery)
- 1979-1984 **Dhaka Medical College, Dhaka, Bangladesh**  
Degree: Bachelor of Medicine and Bachelor of Surgery (MBBS)
- 1976-1978 **Comilla Victoria College, Comilla, Bangladesh**  
Higher Secondary Certificate

**POSTGRADUATE TRAINING**

- 2004-2005 Fellowship, Pain Medicine, Department of Anesthesiology,  
**University of Michigan, Ann Arbor, Michigan**
- 2001-2004 Resident, Anesthesiology, Detroit Medical Center,  
**Wayne State University, Detroit, Michigan**
- 2000-2001 Resident (PGY-1), Internal Medicine, Detroit Medical Center,  
**Wayne State University, Detroit, Michigan**
- 1999-2000 Post-Doctoral Research Associate, Department of Neurology,  
The Spinal Cord Injury Program,  
**Washington University, St Louis, Missouri**
- 1997-1999 Post-Doctoral Research Scientist, Department of Neurobiology,  
**Kyoto University, Kyoto, Japan**
- 1995-1996 Post-Doctoral Research Fellow, Department of Neurosurgery,  
The Hospital for Sick Children,  
**University of Toronto, Toronto, ON, Canada**

**FACULTY APPOINTMENTS**

- 2006-till date Clinical Assistant Professor/Clinical Associate Professor/Clinical Professor,  
**Department of Anesthesiology, Wayne State University**
- 2012-2015 Associate Program Director, Pain Medicine Fellowship,  
**Detroit Medical Center/Wayne State University**
- 2007-2015 Monthly Pain Seminar Moderator, Pain Medicine Fellowship Program,  
**Detroit Medical Center/Wayne State University**

**HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS**

- 2020-till date Staff Anesthesiologist,  
**Corewell Health Dearborn Hospital, Dearborn, Michigan**
- 2016-till date Pain Management Physician and Staff Anesthesiologist,  
**Trinity Health Oakland Hospital, Pontiac, Michigan**
- 2015-till date Pain Management Physician,  
**East West Pain Institute, Lake of Orion, Michigan**
- 2010-till date Staff Anesthesiologist/Pain Management Physician  
**Garden City Hospital, Garden City, Michigan**
- 2004-till date Staff Anesthesiologist,  
**McLaren Lapeer Region Hospital, Lapeer, Michigan**
- 2005-2015 Director, Pain Management Service,  
Vice-Chief, Department of Anesthesiology,  
**McLaren Lapeer Region Hospital, Lapeer, Michigan**
- 2005-2016 Staff Anesthesiologist and Pain Management Physician,  
**Detroit Medical Center/Karmanos Cancer Institute/John D. Dingell VA  
Medical Center, Detroit, Michigan**

**MAJOR PROFESSIONAL SOCIETIES**

1. American Society of Anesthesiologists
2. Michigan Society of Anesthesiologists

**MEDICAL LICENSURE**

State of Michigan Since 2000

**BOARD CERTIFICATION**

The American Board of Anesthesiology (ABA)

Certified And Participating in MOCA

**In Anesthesiology Since 2005**

**In Pain Medicine Since 2006**

**HONORS/AWARDS**

1. Japan Society for Promotion of Science Scholarship, 1997- 1999
2. Best Surgical Research Award in the Hospital for Sick Children, University of Toronto, Toronto, Canada, April 1996
3. Monbusho (Japanese Ministry of Education and Culture) Scholarship), 1989-1994
4. National Merit List, Higher Secondary Certificate Examination 1978
5. National Merit List, Secondary School Certificate Examination 1976

**PUBLICATIONS/PREPRINTS/ARTICLES/BOOK CHAPTERS:**

Shushovan Chakraborty Profile: <https://www.researchgate.net/profile/Shushovan-Chakraborty>

1. Gupta D, **Chakraborty S**. OUR ESSAY Overdiagnosis And Overtreatment During The Aging Car Care. **ResearchGate** (Preprint) May 2024 DOI: 10.13140/RG.2.2.34120.94724
2. Gupta D, **Chakraborty S**. The power of syncing life with nature's yearly cycles. **KevinMD** March 2024 <https://www.kevinmd.com/2024/03/the-power-of-syncing-life-with-natures-yearly-cycles.html>
3. Gupta D, Jain A, **Chakraborty S**. OUR OPINION Invasive oximetry catheter for continuous arterial oxygen saturation, in theory. **ResearchGate** (Preprint) February 2024 DOI: 10.13140/RG.2.2.35041.28003
4. Gupta D, Edelman D, Somerset A, **Chakraborty S**. Projected healthcare cost savings with transnasal vs. transoral upper gastrointestinal endoscopy in the United States. **medRxiv** (Preprint) 2023.11.27.23299075; doi: <https://doi.org/10.1101/2023.11.27.23299075>
5. Gupta D, **Chakraborty S**. Ensuring fair reimbursement for emergency procedures. **KevinMD** July 2023 <https://www.kevinmd.com/2023/07/ensuring-fair-reimbursement-for-emergency-procedures.html>
6. **Chakraborty S**, Gupta D. OUR OPINION Professional Courtesy During Audio-Video Communications. **ResearchGate** (Preprint) April 2023 DOI: 10.13140/RG.2.2.24145.81768
7. Gupta D, Jain A, **Chakraborty S**. Are predatory medical publishers exploiting peer review system? Here's a solution. **KevinMD** April 2023 <https://www.kevinmd.com/2023/04/are-predatory-medical-publishers-exploiting-peer-review-system-heres-a-solution.html>
8. Gupta D, Kumar S, **Chakraborty S**. Balancing employee needs and fair pay during federal holidays. **KevinMD** January 2023 <https://www.kevinmd.com/2023/01/balancing-employee-needs-and-fair-pay-during-federal-holidays.html>
9. Gupta D, **Chakraborty S**, Edelman D, Rusch C. Universal Use Of 9/32-Inch 7-Millimeter Internal Diameter Suction Tubing During Anesthesia Care And Gastrointestinal Endoscopy. **WebMedCentral** GASTROENTEROLOGY2022;13(9):WMC005796
10. Gupta D, Kumar S, **Chakraborty S**. Blemish To Banish The Food And Famish Beast Within For Good. **WebMedCentral** GASTROENTEROLOGY 2022;13(7):WMC005787
11. Gupta D, Kumar S, **Chakraborty S**. Health care customers wonder, "To discriminate, or not to discriminate". **Kevin MD** July 2022 <https://www.kevinmd.com/2022/07/health-care-customers-wonder-to-discriminate-or-not-to-discriminate.html>
12. Kezelian HA, Qadri AA, **Chakraborty S**, Gupta D. Right Or Left: Laterality Incidence Of Billed Plantar Fasciitis Plus Foot Pain. **medRxiv** (Preprint) 2022.06.09.22276198; doi: <https://doi.org/10.1101/2022.06.09.22276198>
13. Gupta D, Kumar S, **Chakraborty S**. A full-time equivalent is 2,080 work hours annually. **Kevin MD** March 2022 <https://www.kevinmd.com/2022/03/a-full-time-equivalent-is-2080-work-hours-annually.html>
14. Gupta D, Kumar S, **Chakraborty S**. Just Like HeLa Cells, Who Owns Banked Biomes?. **WebMedCentral** MEDICALETHICS 2022;13(2):WMC005769
15. Gupta D, **Chakraborty S**, Edelman D. Colon Reparation After Colonoscopy. **WebMedCentral** GASTROENTEROLOGY 2022;13(2):WMC005771
16. Gupta D, **Chakraborty S**. Double-Edged Pandemic, Just Like War, Shedding Off Population Over-A-Barrel At Both Ends. **WebMedCentral** PUBLIC HEALTH 2021;12(10):WMC005747

17. Gupta D, **Chakrabortty S**. Antibiosis: "Dear Microbiome, Are You Dead Yet?" Probiosis: "Maybe Never, Must Be Never." **WebMedCentral INFECTIOUS DISEASES** 2021;12(9):WMC005739
18. Gupta D, **Chakrabortty S**. Dirty Urinals/Toilets And Urinary Tract Inflammation/Infection: Worth Investigating If It Can Be True Due To Urinary Aerosols In Urinals/Toilets. **WebMedCentral INFECTIOUS DISEASES**2021;12(4):WMC005699
19. Gupta D, **Chakrabortty S**, Romano S. Can Audiometry/Tympanometry Unravel If Our Masks Not Allowing Our Ear Drums To Vibrate Freely? **WebMedCentral OTORHINOLARYNGOLOGY** 2020;11(12):WMC005674
20. Gupta D, **Chakrabortty S**. Rational Perioperative Opioid Management in the Era of the Opioid Crisis: Comment. **Anesthesiology**. October 2020;133, 940–941.
21. Gupta D, **Chakrabortty S**. Are There Fatalities Due To Delayed Statewide Mandatory Mask Use Orders? **WebMedCentral PUBLIC HEALTH** 2020;11(8):WMC005621
22. Gupta D, Kumar S, **Chakrabortty S**. Intentional self-harm associated mortality among US White physicians, nurses, lawyers & judges. **Indian J. Community Health** 2020; 32(4): 757-759.
23. Gupta D, Kumar S, **Chakrabortty S**. SOHAM: Searching Our-Own Health After Medicine by Understanding Physician Mortality Data From The United States. **Indian Journal of Community Health** [Internet]. 2020 Mar. 31;32(1):154-60.
24. Gupta D, **Chakrabortty S**. "Blister packs" rather than "ashes to ashes, dust to dust" for medications. **J Opioid Manag.** 2019 Sep/Oct;15(5):355-356.
25. Gupta D, Kumar S, **Chakrabortty S**: Cost Consent. **WebMedCentral MEDICAL ETHICS**2019;10(9):WMC005594
26. Gupta D, **Chakrabortty S**. Medicolegal liability of patients driving under the influence (DUI): **Journal of Opioid Management**, May/June 2019 15:3:181-182.
27. Gupta D, Srirajakalidindi A, **Chakrabortty S**. Centralized Updated Virtual Repository of Credentialed Physicians. **WebMedCentral MISCELLANEOUS** 2019;10(4):WMC005561
28. Gupta D, Kumar S, **Chakrabortty S**. SOAP to STEP: The new normal. **Residency Program Alert.** 2020 Aug;18(8):10.
29. Gupta D, **Chakrabortty S**. Why we need to teach physicians to say 'no'. **Residency Program Alert.** 2018 May;16(5):6-8.
30. Gupta D, **Chakrabortty S**. Letter to the Editor: Substance use disorder—Substance-induced disorder clinics for pain-medication addictions and addicted patients' pains: futuristic need for pain physicians sub-specializing in addiction-medicine. **J Opioid Manag.** 2018 Jan/Feb;14(1):5-7.
31. Gupta D, Amhaz HH, Chidiac EJ, **Chakrabortty S**, Patel P. How do in-training examination scores trend with attendance at didactic sessions? A retrospective audit of anesthesiology residents at an university-affiliated residency program in the United States. **Middle East J Anesthesiol.** 2017 Oct;24(3):231-5.
32. Gupta D, **Chakrabortty S**. Site-Neutrality Among Medical Payments Can Foster Site-Specificity Among Medical Procedures. **J Health Care Finance.** 2017 Winter;43(3).
33. Gupta D, **Chakrabortty S**. Naming the nomenclatures: Dotting the Antidotes, Antagonizing the Antagonists. **WebmedCentral ANAESTHESIA** 2017;8(6):WMC005307
34. Gupta D, **Chakrabortty S**. Can 28-day prescription prevent unintentional medication surplus with 30-day prescription? **J Opioid Manag.** 2017 May/Jun;13(3):135-137.

35. **Chakrabortty S**, Rustom DH, **Gupta D**, Zuk C. Prevalence of epidural lipomatosis: Our experience at a university based pain clinic. **Middle East J Anesthesiol.** 2017 Feb;24(1):5-12.
36. Gupta D, Umar A, Kumar S, **Chakrabortty S**. Do We Owe Our Life Expectancy To Dental Care (or To Dentistry)? Certainly-To Some Extent. **WebmedCentral DENTISTRY** 2016;7(12):WMC005245
37. Gupta D, Drabik A, **Chakrabortty A**. A New Nominal Scale (Yes-No-Don't Know-YNDK Scale) and Its Correlation with Standard Ordinal Scale (Numerical Rating Scale-NRS): Our Experience Among University Based Pain Clinic Patients. **WebmedCentral PAIN** 2016;7(11):WMC005226
38. Gupta D, Rustom DH, **Chakrabortty S**. Palpate intercrystal line correctly: Not transgress too high: Can be too close to conus medullaris. **Middle East J Anaesthesiol.** 2016 Jun;23(5):595-8.
39. **Chakrabortty S**, Kumar S, Gupta D, Rudraraju S. Intractable Sacroiliac Joint Pain treated with Peripheral Nerve Field Stimulation. **Journal of Anaesthesiology Clinical Pharmacology** 2016: 32 (3), 392-394.
40. Papapetrou P, Kumar AJ, Muppuri R, **Chakrabortty S**. Intravenous Lidocaine Infusion to Treat Chemotherapy-Induced Peripheral Neuropathy. **Anesthesia & Analgesia.** 2015 Nov 1;5(9):154-5.
41. **Chakrabortty S**, Gupta D, Rustom D, Berry H, Rai A. Demographic characteristics and clinical predictors of patients discharged from university hospital-affiliated pain clinic due to breach in narcotic use contract. **Journal of Opioid Management** 2014: 10(6):405-414.
42. Rustom D, Gupta D, **Chakrabortty S**. Epidural lipomatosis: A Dilemma in Interventional Pain Management for the use of Epidural Steroids. **Journal of Anaesthesiology Clinical Pharmacology**, July-September 2013, 29(3), 410-411.
43. Amhaz H, Manders L, Chidiac E, Pallekonda V, **Chakrabortty S**. Unusual case of contralateral Horner's syndrome following stellate ganglion block: A Case Report and Review of Literature. **Local and Anesthesia** 2013:6, 31-33.
44. Herlong J, **Chakrabortty S**, Soskin V. Bronchospasm and cardiac arrest during cesarean section. **Int J Obstet Anesth.** 2011 Oct;20(4):369-70.
45. Kitada M, **Chakrabortty S**, Matsumoto N, Teketomi M, Ide C. Differentiation of choroid plexus ependymal cells into astrocytes after grafting into the pre-lesioned spinal cord in mice. **Glia** 36:364-74, 2001
46. **Chakrabortty S**, Kitada M, Matsumoto N, Teketomi M, Kimura K, Ide C. Choroid plexus ependymal cells enhance neurite outgrowth from dorsal root ganglion neurons in vitro. **J. Neurocytol** 29:707-17, 2000
47. Liu S, Qu Y, Stewart TJ, Howard MJ, **Chakrabortty S**, Holekamp TF, McDonald JW. Embryonic stem cells differentiate into oligodendrocytes and myelinate in culture and after spinal cord transplantation. **Proc Natl Acad Sci U S A.** 97:6126-31, 2000
48. Kitada M, Mizoguchi A, Tohyama K, Ohtsubo A, Fujimoto E, **Chakrabortty S**, Ide C. Comparison of the axonal and glial reactions between the caudal and rostral border in the cryoinjured dorsal funiculus of the rat spinal cord. **Restorative Neurology and Neuroscience** 14:251-263, 1999
49. Tashiro Y, Inomoto Y, **Chakrabortty S**, Hashimoto N. Reversibility of functionally injured neurons in cerebral cortex of hydro cephalic rat with shunt placement. **Nervous System in Children** 23: 224-230, 1998
50. Ide C, Kitada M, Hayagashi T, Mizoguchi A, **Chakrabortty S**. Cytology of posttraumatic nerve repair of the spinal cord. **Brain and Nerve** 50:236-241, 1998

51. Tashiro Y, Drake JM, **Chakrabortty S**, Hattori T. Functional injury of cholinergic, GABAergic and dopaminergic systems in the basal ganglia of adult rat with kaolin-induced hydrocephalus. **Brain Res** 770: 45-52, 1997
52. **Chakrabortty S**, Tamaki N, Ehara K, Takahashi A, Ide C. Experimental syringomyelia: late ultrastructural changes of spinal cord tissue and magnetic resonance imaging evaluation. **Surg Neurol** 48:246-254, 1997
53. Tashiro Y, **Chakrabortty S**, Drake JM, Hattori T. Progressive loss of glutamic acid decarboxylase, parvalbumin, and calbindin D28K immunoreactive neurons in the cerebral cortex and hippocampus of adult rat with experimental hydrocephalus. **J Neurosurg** 86:263-271, 1997
54. **Chakrabortty S**, Nagashima T, Saitoh M, Hanada Y, Hiyama K, Tamaki N. Intracerebral ring-enhancing lesions in a patient with multiple sclerosis: a case report. **Surg Neurol** 43:591-594, 1995
55. **Chakrabortty S**, Tamaki N, Ehara E, Ide C. Experimental syringomyelia in the rabbit: an ultrastructural study of the spinal cord tissue. **Neurosurgery** 35: 1112-1120, 1994
56. **Chakrabortty S**, Ehara K, Mizoguchi A, Senoo E, Ide C, Tamaki N. Ultrastructural changes in the white matter surrounding the hydrosyringomyelic cavity in the rabbit. **Childs Nerv Syst** 9:369-370, 1993
57. **Chakrabortty S**, Oi S, Yoshida Y, Yamada H, Yamaguchi M, Tamaki N, Matsumoto S. Myelomeningocele and thick filum terminale with tethered cord appearing as a human tail. Case report. **J Neurosurg** 78:966-969, 1993
58. **Chakrabortty S**, Nagashima T, Izawa I, Sekiya Y, Sugiura T, Inoue M, Imai Y, Ehara K, Tamaki N. Intraorbital arteriovenous malformation: case report. **Surg Neurol** 40:320-325, 1993
59. **Chakrabortty S**, Oi S, Yamaguchi M, Tamaki N, Matsumoto S. Growth hormone-producing pituitary adenomas: MR characteristics and pre- and postoperative evaluation. **Neurol Med Chir** 33:81-85, 1993
60. **Chakrabortty S**, Oi S, Suzuki H, Izawa I, Yamaguchi M, Tamaki N, Matsumoto S. Congenital frontal bone defect with intact overlying scalp. **Childs Nerv Syst** 9:485-487, 1993
61. **Chakrabortty S**, Tamaki N, Kondoh T, Kojima N, Kamikawa H, Matsumoto S. Maffucci's syndrome associated with intracranial enchondroma and aneurysm: Case report. **Surg Neurol** 36:216-220, 1991
62. N. Matsumoto, Y. Itokazu, M. Kitada, **S. Chakrabortty**, K. Kimura, and C. Ide: Grafting of the Choroid Plexus: Clinical Implications: **The Blood-Cerebrospinal Fluid Barrier** edited by Adam Chodobski and Wei Zheng, 2005
63. . Nagashima, M. Yamaguchi, I. Kinoshita, H. Suzuki, **S. Chakrabortty**, N. Tamaki: Effect of osmotic opening of blood-brain-barrier on the learning of rats, in C. J. J. Avezaat et al (eds): **Intracranial pressure VIII**. Springer-Verlag, Berlin, pp156-158, 1993
64. S. Oi, N. Tamaki, K. Shirataki, K. Fujita, **S. Chakrabortty**, T. Kokunai, M. Asada, M. Masumura, K. Ehara, T. Nagashima, M. Tanimoto, S. Matsumoto, K. Chihara, T. Fujita: MR findings and tissue characteristics in pituitary adenoma- preoperative evaluation for tumor removal and selection of surgical approach, in **Recent Advances in the Research and Treatment of Pituitary Adenomas, Workshop** 8:42-49, 1990: