

SHUSHOVAN CHAKRABORTTY, MD, PHD
Pain Management Specialist
East West Pain Institute

EDUCATION

- 1989- 1994 **Kobe University School of Medicine, Kobe, Japan**
 Department of Neurosurgery
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 Govt College, Comilla, Bangladesh**
Higher Secondary Certificate
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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
 The Spinal Cord Injury Program, Dept of Neurology
Washington University, St Louis, MO
- 1997- 1999: Post-Doctoral Research Scientist
 Dept of Neurobiology
Kyoto University, Kyoto, Japan
- 1995- 1996: Post-Doctoral Research Fellow
 Dept of Neurosurgery, The Hospital for Sick Children
University of Toronto, Toronto, ON, Canada
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FACULTY APPOINTMENTS:

- 2016-till date: Staff Anesthesiologist and Pain Medicine Physician
St Joseph Mercy Oakland Hospital, Pontiac, Michigan
- 2005-till date: Clinical Assistant Professor
Department of Anesthesiology, Wayne State University
- 2012- 2015: Associate Program Director, Pain Medicine Fellowship Program
DMC, Wayne State University
- 2007- 2015: Moderator: Monthly Pain Seminar
DMC, Wayne State Univ, Pain Medicine Fellowship Program
- 2005- 2015: Pain Medicine Physician and Staff Anesthesiologist,
Detroit Medical Center, Detroit, Michigan
Karmanos Cancer Center, Detroit, Michigan
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HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS:

- 2005- 2015: Staff Anesthesiologist and Director, Pain Clinic
McLaren Lapeer Region, Lapeer, Michigan
- 2009- 2015: Staff Anesthesiologist and Pain Medicine Physician

McLaren Port Huron, Port Huron, Michigan
2009- 2015: Staff Anesthesiologist
VA Hospital, Detroit, Michigan
2010- 2015: Staff Anesthesiologist and Pain Medicine Physician
Garden City Hospital, Garden City, Michigan

MEMBERSHIP IN MAJOR PROFESSIONAL SOCIETIES:

1. American Medical Association
 2. American Society of Anesthesiologists
 3. Michigan Society of Anesthesiologists
 4. American Society for Regional Anesthesia
 5. Spine Intervention Society
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MEDICAL LICENSURE:

State of Michigan: Since 2000

BOARD CERTIFICATION:

American Board of Anesthesiologists (ABA):
Anesthesiology Board Certification: Valid until Dec 31, 2025

American Board of Anesthesiologists (ABA):
Pain Medicine Board Certification: Valid until Dec 31, 2026

HONORS/AWARDS:

1. Japan Society for Promotion of Science: Research Scientist 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
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PUBLICATIONS:

1. Papapetrou P, Kumar AJ, Muppuri R, **Chakraborty S**: Intravenous Lidocaine Infusion to Treat Chemotherapy-Induced Peripheral Neuropathy. **Anesthesia and Analgesia** 2015;5:154–155.
2. **Chakraborty 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.
3. Rustom D, Gupta D, **Chakraborty 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.
4. Amhaz H, Manders L, Chidiac E, Pallekonda V, **Chakraborty 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.
5. J Herlong, S. **Chakraborty**, V Soskin. Bronchospasm and cardiac arrest during cesarean section. **Int J Obstet Anesth**. 2011 Oct;20(4):369-70.
6. M. Kitada, **S. Chakraborty**, N. Matsumoto, M. Teketomi, C. Ide: Differentiation of choroid plexus ependymal cells into astrocytes after grafting into the pre-lesioned spinal cord in mice. **Glia** 36:364-74, 2001
7. **S. Chakraborty**, M. Kitada, N. Matsumoto, M. Teketomi , K. Kimura, C. Ide: Choroid plexus ependymal cells enhance neurite outgrowth from dorsal root ganglion neurons in vitro. **J. Neurocytol** 29:707-17, 2000
8. S. Liu, Y. Qu, T. J. Stewart, M. J. Howard, **S. Chakraborty**, T. F. Holekamp, J. W. McDonald: 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
9. M. Kitada, A. Mizoguchi, K. Tohyama, A. Ohtsubo, E. Fujimoto, , **S. Chakraborty**, C. Ide: 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
10. Y. Tashiro, T. Inomoto, **S. Chakraborty**, N. Hashimoto: Reversibility of functionally injured neurons in cerebral cortex of hydro cephalic rat with shunt placement. **Nervous System in Children** 23: 224-230, 1998
11. C. Ide, M. Kitada, T. Hayagashi, A. Mizoguchi, **S. Chakraborty**: Cytology of posttraumatic nerve repair of the spinal cord. **Brain and Nerve** 50:236-241, 1998
12. Y. Tashiro, JM Drake, **S. Chakraborty**, T. Hattori: 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

13. **S. Chakraborty**, N. Tamaki, K. Ehara, A. Takahashi, C. Ide: Experimental syringomyelia: late ultrastructural changes of spinal cord tissue and magnetic resonance imaging evaluation. **Surg Neurol** 48:246-254, 1997
14. Y. Tashiro, **S. Chakraborty**, JM Drake, T. Hattori: 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
15. **S. Chakraborty**, T. Nagashima, M. Saitoh, Y. Hanada, K. Hiyama, N. Tamaki: Intracerebral ring-enhancing lesions in a patient with multiple sclerosis: a case report. **Surg Neurol** 43:591-594, 1995
16. **S. Chakraborty**, N. Tamaki, K. Ehara, C. Ide: Experimental syringomyelia in the rabbit: an ultrastructural study of the spinal cord tissue. **Neurosurgery** 35: 1112-1120, 1994
17. **S. Chakraborty**, K. Ehara, A. Mizoguchi, E. Senoo, C. Ide, N. Tamaki: Ultrastructural changes in the white matter surrounding the hydrosyringomyelic cavity in the rabbit. **Childs Nerv Syst** 9:369-370, 1993
18. **S. Chakraborty**, S. Oi, Y. Yoshida, H. Yamada, M. Yamaguchi, N. Tamaki, S. Matsumoto: Myelomeningocele and thick filum terminale with tethered cord appearing as a human tail. Case report. **J Neurosurg** 78:966-969, 1993
19. **S. Chakraborty**, T. Nagashima, I. Izawa, Y. Sekiya, T. Sugiura, M. Inoue, Y. Imai, K. Ehara, N. Tamaki: Intraorbital arteriovenous malformation: case report. **Surg Neurol** 40:320-325, 1993
20. **S. Chakraborty**, S. Oi, M. Yamaguchi, N. Tamaki, S. Matsumoto: Growth hormone-producing pituitary adenomas: MR characteristics and pre- and postoperative evaluation. **Neurol Med Chir** 33:81-85, 1993
21. **S. Chakraborty**, S. Oi, H. Suzuki, I. Izawa, M. Yamaguchi, N. Tamaki, S. Matsumoto: Congenital frontal bone defect with intact overlying scalp: **Childs Nerv Syst** 9:485-487, 1993
22. **S. Chakraborty**, N. Tamaki, T. Kondoh, N. Kojima, H. Kamikawa, S. Matsumoto: Maffucci's syndrome associated with intracranial enchondroma and aneurysm: Case report. **Surg Neurol** 36:216-220, 1991
23. T. Nagashima, M. Yamaguchi, I. Kinoshita, H. Suzuki, **S. Chakraborty**, 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

Chapter in Book:

Grafting of the Choroid Plexus: Clinical Implications. Naoya Matsumoto, Yutaka Itokazu, Masaaki Kitada, **Shushovan Chakraborty**, Kazushi Kimura, and Chizuka Ide, in **The Blood-Cerebrospinal Fluid Barrier** edited by Adam Chodobski and Wei Zheng, 2005

Accepted for publication:

Chakraborty S, Kumar S, Gupta D, Rudraraju S. Intractable Sacroiliac Joint Pain treated with Peripheral Nerve Field Stimulation. Provisionally accepted in **Journal of Anaesthesiology Clinical Pharmacology** in February 2015.

Ongoing project:

Chakraborty S: Radiofrequency ablation: lesion size variation

Chakraborty S: Efficacy of electroacupuncture

Chakraborty S: Epidural lipomatosis

Chakraborty S: Diagnostic block for Sacroiliac joint pain