

SUDHIR DIWAN, MD, DABIPP, FIPP
Executive Director
The Spine and Pain Institute of New York

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Staten Island, NY 10314
718-667-3577

ACADEMIC APPOINTMENTS

- 12/01-2010 Director, Tri-Institutional Pain Fellowship Program, Weill Medical
College of Cornell University, New York, New York
- 01/07- 2010 Associate Professor of Clinical Anesthesiology
Weill Medical College of Cornell University
New York, New York
- 07/01 – 12/06 Assistant Professor of Anesthesiology
Weill Medical College of Cornell University
New York, New York
- 07/98 – 6/01 Instructor in Anesthesiology
Weill Medical College of Cornell University
New York, New York
- 07/97 – 06/98 Pain Management Fellow, Tri-institute Fellowship Program
Weill Medical College of Cornell University
New York, New York
- 07/94 – 06/97 Resident, Department of Anesthesiology
Columbia University, College for Physicians and Surgeons
New York, New York
- 08/93 – 06/94 Intern, Department of Surgery
Columbia University, College for Physicians and Surgeons
New York, New York

- 01/90 – 04/93 Research Fellow, Experimental Cardiology and Laser Research
Columbia University, College for Physicians and Surgeons
New York, New York
- 02/89 – 12/89 Research Associate, Pulmonary Medicine and Physiology
Columbia University, College for Physicians and Surgeons
New York, New York
- 06/85 – 01/89 Assistant Professor of Surgery
Sheth K.M. School of Postgraduate Medicine and Surgery
Ahmedabad, State of Gujarat, India
- 01/80 – 12/83 Resident, Department of Surgery
Sheth K.M. School of Postgraduate Medicine and Surgery
Ahmedabad, State of Gujarat, India

HOSPITAL APPOINTMENTS

- 01/02 – 2010 Director, Division of Pain medicine, Department of Anesthesiology,
New York Presbyterian Hospital, New York New York
- 05/01 – 12/01 Clinical Director, Division of Pain Medicine
Asst. Attending Anesthesiologist
Department of Anesthesiology
New York Presbyterian Hospital
New York, New York
- 01/01 – 05/01 Associate Director, Division of Pain Medicine
Asst. Attending Anesthesiologist
Department of Anesthesiology
New York Presbyterian Hospital
New York, New York
- 01/ 99 – 12/00 Interim Director, Division of Pain Medicine
Assistant Attending Anesthesiologist
Department of Anesthesiology
New York Presbyterian Hospital

New York, New York

- 01/07 – present Associate Attending, Division of Pain Medicine
Department of Anesthesiology
New York Presbyterian Hospital
New York, New York
- 07/98 – 12/06 Assistant Attending, Division of Pain Medicine
Department of Anesthesiology
New York Presbyterian Hospital
New York, New York
- 07/97 – 06/98 Pain Management Fellow, Tri-institute Pain Fellowship
Department of Anesthesiology
New York Presbyterian Hospital
New York, New York
- 07/94 – 06/97 Resident, Department of Anesthesiology
St. Luke's/Roosevelt Hospital Center
New York, New York
- 08/93 – 06/94 Intern, Department of Surgery
St. Luke's/Roosevelt Hospital Center
New York, New York
- 01/90 – 04/93 Research Fellow, Experimental Cardiovascular Surgery
And Laser Research
St. Luke's/Roosevelt Hospital Center
New York, New York
- 02/89 – 12/89 Research Associate, Pulmonary Medicine and Physiology
St. Luke's/Roosevelt Hospital Center
New York, New York
- 06/85 – 01/89 Private Practice, General Surgery
Ahmedabad Municipal Corporation Referral Hospital
Ahmedabad, State of Gujarat, India
- 02/85 – 05/85 General Surgeon and Chief, S.R.S.T. General Hospital

Vijapur, Dist. Mehsana, State of Gujarat, India

06/84 – 01/85 General Surgeon and Chief, C.G. General Hospital
Uttersanda, Dist. Kheda, State of Gujarat, India

01/80 – 12/83 Resident, Department of Surgery
Sheth Vadilal Sarabhai General Hospital
Ahmedabad, State of Gujarat, India

OTHER APPOINTMENTS

Pain Medicine Faculty, The Jay Monahan Center for
Gastrointestinal Health, New York Presbyterian Hospital, Weill
Medical College of Cornell University, New York

Pain Medicine Faculty, Comprehensive Spine Center, Neurological
Surgery, New York Presbyterian Hospital, Weill Medical College of
Cornell University, New York

Pain Medicine Faculty, Jill Robert IBD Center for Gastrointestinal
Health, New York Presbyterian Hospital, Weill Medical College of
Cornell University, New York

Speaker's Bureau for Pain Management, Cancer pain Management and
Regional Anesthesia, New York State Society of Anesthesiologists

Chairman, Neuropathic pain Council, Neuropathy Association of America
New York, New York

EDUCATION

06/71 – 05/73 Pre-science and Pre-medical
Gujarat College, Gujarat University

Ahmedabad, State of Gujarat, India

- 06/73 – 10/78 Medical Graduate (M.B.B.S.)
Smt. N.H.L. Municipal Medical College
Ahmedabad, State Gujarat, India
- 12/78 –12/83 Master of Surgery (M.S.)
Sheth K.M. School of Postgraduate Medicine and Research
Sheth Vadilal Sarabhai General Hospital
Ahmedabad, State of Gujarat, India

POSTDOCTORAL TRAINING

- 07/97 – 06/98 Pain Management Fellow, Tri-institute Fellowship Program
New York Presbyterian Hospital
Weill Medical College of Cornell University
New York, New York
- 07/94 –06/97 Resident, Department of Anesthesiology
St. Luke's/Roosevelt Hospital Center
Columbia University College for Physicians and Surgeons
New York, New York
- 08/93 – 06/94 Internship, Department of Surgery
St. Luke's/Roosevelt Hospital Center
Columbia University College for Physicians and Surgeons
New York, New York
- 01/90 – 04/93 Research Fellow, Experimental Cardiology and Laser Research
St. Luke's/Roosevelt Hospital Center
Columbia University College for Physicians and Surgeons
New York, New York
- 02/89 – 12/89 Research Associate, Pulmonary Medicine and Physiology
St. Luke's/Roosevelt Hospital Center
Columbia University College for Physicians and Surgeons
New York, New York

01/80 – 12/83 Resident, Department of Surgery
Sheth K.M. School of Postgraduate Medicine and Research
Sheth Vadilal Sarabhai General Hospital
Ahmedabad, State of Gujarat, India

12/78 – 12/79 Internship, Rural Health Center
Sheth Vadilal Sarabhai General Hospital
Ahmedabad, State of Gujarat, India

CERTIFICATION

September 2002 American Board of Anesthesiology Subspecialty Certification
In Pain Medicine

March 2002 American Board of Pain Medicine (ABPM)

April 2001 American Board of Anesthesiology (M.D.)

June 1993 ECFMG Certification

November 1983 Indian Board of Surgery (M.S. Master of Surgery)

September 2008 Fellow of Interventional Pain Practice (FIPP)

August 2008 American Board of Interventional Pain Practice (ABIPP)

LICENSURE

March 1998 New York State License

2004 New Jersey state license

1998 Pennsylvania State License

TEACHING ACTIVITIES

1. Course Director: Annual Cornell Pain Medicine Symposium: evidence based practice of Pain Medicine since 2007
2. Course Director: Weekly Tri-Institute Pain Medicine Fellowship Grand rounds series since 2003
3. Examiner, Fellow of Interventional Pain Physician (FIPP) examination offered by World Institute of Pain (WIP) since 2008
4. Examiner, American Board of Interventional Pain Physicians (ABIPP) offered by American Society of Interventional Pain Physician (ASIPP) since 2008
5. Cadaver workshop faculty for American Board of Interventional Pain Physicians (ABIPP) offered by American Society of Interventional Pain Physician (ASIPP) since 2008
6. Cadaver workshop faculty for Fellow of Interventional Pain Physician (FIPP) examination offered by World Institute of Pain (WIP) since 2008
7. Visiting Professor Grand round presentations as per invitations (e.g. NYU, Cleveland Clinic Foundation)
8. Arrange and invite guest speakers for “visiting professor” for Tri-Institute Pain Medicine Fellowship grand round presentations
9. International: Faculty for Open Medical Institute (OMI), sponsored by American Austrian Foundation, Salzburg. Educating Eastern European fellows about Pain Medicine with Satellite Symposium (e.g. Serbia, Armenia, Slovakia, Czech Republic, Kirgizstan), 2005-2009
10. Faculty for the Oral Boards Review Course, Anesthesiology Consultants, Houston, Texas (2001-2004)
11. Written Boards question writer for American Board of Pain Medicine (2004)
12. Panel Host at session on “Challenging Cases in Pain Management”. 56th Post Graduate Assembly (PGA), New York, December 6-10, 2002

13. Panel Host at session on “Perioperative Pain Management: Expanding Options”. 57th Post Graduate Assembly (PGA), New York, December 12-16, 2003
14. Panel Host at session on “Interventions in Pain Medicine: An Evidence Based Assessment”. 58th Post Graduate Assembly (PGA), New York, December 10-14, 2004
15. Panel Host at session on “updates in chronic pain Management”. 60st Post Graduate Assembly (PGA), New York, December 12-16, 2008
16. Mentoring residents and fellows for research and education

LECTURES GIVEN (Fellows, Residents and Medical Students)

- Neuropathic pain- evaluation and management
- Interventional pain therapies
- Chemical and radifrequency neurolysis
- Implantation techniques for neuraxial drug delivery systems
- Neuromodulation techniques as pain therapies
- Pain management and palliative care of cancer patients
- Treatment and management of chronic pain syndromes
- Regional anesthesia and analgesia
- Anatomy of peripheral nerves and plexuses
- Local anesthetics: pharmacology, uses, problems
- Opioids therapy for chronic malignant and nonmalignant pain syndromes
- Methadone for chronic pain
- Non-obstetrical pain management for pregnant patients
- Chronic back pain: evaluation and management
- Post operative pain control
- Opioids abuse in chronic pain patients
- Principles of Chronic pain
- New Innovations in Pain Management
- Chronic pain syndromes in geriatric patients
- Perioperative pain management
- Coagulation challenges in Perioperative period
- Radiofrequency neurolysis
- Complications of interventional pain management
- Infection in implantable devices: how to prevent

- Interventions in neck: how to proceed safely

VISITING PROFESSOR GRAND ROUND PRESENTATIONS

1. Interventional Cancer Pain Management. Radiation Oncology Grand Round. New York Presbyterian Hospital, Weill Medical College of Cornell University, New York, New York, October 28, 2004
2. Management of complex case with Spinal Stenosis. Internal Medicine Grand Round. New York Presbyterian Hospital, Weill Medical College of Cornell University, New York New York, September 30, 2004
3. Pain Medicine: Update. Cornell Internal Medicine Grand round. New York Presbyterian Hospital, Weill Medical College of Cornell University, New York, New York June 12, 2003
4. Nonobstetric Pain Management in Pregnant Patients. Department of Anesthesiology, New York University School of Medicine, New York, New York, September 4, 2002
5. Perioperative Pain Management. Perioperative Nursing Education Lecture Series. New York Presbyterian hospital, Weill Medical College of Cornell University, New York, New York, July 29, 2002
6. Postoperative Pain Management. Department of Surgery, Wyckoff Heights Hospital, Brooklyn, New York, September, 2000
7. Diwan S. Cox 2 Inhibitors for Acute Post-operative Pain. Orthopedic Consultant's Meeting, New York, New York, May 2000
8. Interventional Cancer Pain Management. Department of Hematology and Oncology. New York Presbyterian hospital, Weill Medical College of Cornell University, New York, New York, April 4, 2000
9. Cancer Pain Management. Department of Anesthesiology, Westchester Medical Center, Westchester, New York, March 30, 2000

10. Chronic Back Pain: Update your Medicine. Uris auditorium, New York Presbyterian hospital, Weill Medical College of Cornell University, New York, New York, January, 1998
11. Methadone for Chronic Pain. Memorial Sloan Kettering Cancer Center, Department of Anesthesiology and Pain Medicine Fellowship Program, New York, New York, April, 1998
12. Epidural Hematoma. Memorial Sloan Kettering Cancer Center, Department of Anesthesiology and Pain Medicine Fellowship Program, New York, New York, May 1998
13. Principles of chronic visceral pain. Pediatric Gastrointestinal Fellowship Program. Weill Cornell Medical College, New York Presbyterian Hospital, New York, New York, March 5th 2008
14. Use of Methadone in Chronic Pain. Cleveland Clinic Foundation, Department of Anesthesiology and Pain Medicine, Cleveland, Ohio, January, 2009
15. Coagulation Challenges in the Perioperative Period. NYU Medical Center, NYU, Department of Anesthesiology and Pain medicine ,New York, New York, October 28, 2009,

FACULTY FOR REVIEW COURSE

1. Diwan S, Jain S and Richman D. Spinal Cord Stimulator and Intrathecal Morphine Pump in "Failed Back Surgery Syndrome". Faculty, Pain Symposium, Hospital for Special Surgery, September, 1998
2. Diwan S and Ngeow J. Radiofrequency and Cryo-neurolysis in Pain Management. Faculty 2nd Annual Spine Care in Primary Care Practice. Hospital for Special Surgery, New York, New York November 15, 1997
3. Diwan S, Jain S and Richman D. Management of the Difficult Patient with Post-laminectomy Syndrome. Faculty, 2nd Annual Practice of Regional Anesthesia. Hospital for Special Surgery, New York, New York, April 1998
4. Salzburg Weill Cornell Anesthesiology Seminar 2005, on Neuropathic Pain, Cancer Pain Management, Interventional Pain Management, Opioids and

Chronic Pain and Radiofrequency Neuroablation in Chronic Pain. Salzburg, Austria, July 17-23, 2005

5. Review course on Advanced Pain Therapies. Global Update on Pain (III): Course Directors: S. Diwan, R. Patel, S. Bakhshi, L. Manchikanti, Mumbai, India, November 9, 2006
6. Review course on Advanced Pain Therapies. Global Update on Pain (III): Course Directors: S. Diwan, R. Patel, S. Bakhshi, L. Manchikanti, Mumbai, India, November 9, 2006
7. Open Medical Institute of American Austrian Foundation. Salzburg Weill Cornell Anesthesiology Seminar on: Perioperative Pain Management, Treatment of Chronic Pain Syndromes, Regional Anesthesia in Patients on Anticoagulants, Opiate Pharmacology Drug Dependency, and How to start a Pain Service, August-September, 2008
8. Interventions in the Neck: How do we proceed safely? Case based discussion. Refresher course, 5th World Congress on Pain, March 13-16, New York, 2009

ORGANIZER AND COURSE DIRECTOR

1. Tri-Institute Cornell Pain Medicine Fellowship Grand Rounds 1:00 hr CME Credit Educational activity since June 2003
2. First Cornell Pain Medicine Symposium: Evidence Based Practice of Pain Medicine 7:00 hrs CME credits Educational activity, November 7, 2007
3. Co-Organizing Secretary Jaslok Hospital: Comprehensive Review of Interventional Pain Therapies Symposium and Workshop. Mumbai, India, November 17, 2007
4. 2nd Cornell Pain Medicine Symposium: Evidence Based Practice of Pain Medicine 7:00 hrs CME credits Educational activity, November 8, 2008
4. The Third Cornell Pain Medicine Symposium: Evidence based Practice of Pain Medicine 7 CME credits Educational Activity, November 7, 2009

HANDS-ON CADAVER WORKSHOP

1. Techniques of Interventional Pain Procedure, Spinal Cord Stimulator and Intrathecal Pump. Global Update on Pain (III), Mumbai, India, Nov 2006
2. Advanced Pain Techniques, Spinal Cord Stimulator, Intrathecal Pump. Comprehensive Review of Interventional Pain Therapies, Mumbai, India, Nov 2007
3. Intradiscal Procedures. Cleveland Clinic, 10th Annual Pain Management Symposium, San Diego, California, Feb 2008
4. Techniques on Spinal Cord Stimulation, sponsored by ANS, St. Jude Medical Company, Weill Cornell Medical College, New York, New York, May 2008
5. Techniques on spinal cord stimulation, sponsored by Boston Scientific, Mote Fiore Medical Center, New York, New York, Sept 2008
6. RFA of sacroiliac joint by Simplicity III probe, sponsored by Neurotherm, Gramercy Park Ambulatory Surgery Center New York, New York Oct 2008
7. Intradiscal Procedures under fluoroscopic guidance, American Society of Anesthesiology (ASA) meeting, Orlando, Florida Oct 2008
8. RFA of sacroiliac joint by Simplicity III probe, sponsored by Neurotherm, Cincinnati, Ohio, January 2009
9. Intradiscal Procedures. Cleveland Clinic, 11th Annual Pain Management Symposium, Ft. Lauderdale, Florida, Feb-March 2009
10. Cadaver Workshop for review courses and FIPP Examination, Montefiore Medical Center, New York, New York, March 2009
11. RFA of sacroiliac joint by Simplicity III probe, sponsored by Neurotherm, Chicago, Illinois, April 25, 2009
12. Cadaver workshop on Peripheral Nerve Stimulators. NYSOR World Anesthesia Conference. Dubai, March 7-12, 2010

13. Cadaver work shop for American Society of Interventional Pain Physicians (ASIPP). Spinal injections. Memphis April 22-25, 2010
14. Cadaver workshop on Discography, IDET, Nucleoplasty. Annual Pain Medicine Meeting and Workshops. Phoenix, Arizona, November 18-21, 2010
15. Basic surgical skills for Interventional Pain Procedures. Annual Pain Medicine Meeting and Workshops. Phoenix, Arizona, November 18-21, 2010

ABSTRACT PRESENTATIONS

1. Qiao Ren Li, Diwan S and Bhattacharya J. Repeat Measurement of Split drop liquid in single Pulmonary Micro vessel. Microcirculatory Society, 37th Annual Conference, April 1, 1990
2. Choy DSJ, Chahinian P, Diwan S and Gluck H. Successful eradication of Grafted Human Mesothelioma in nude mice with Nd: YAG Laser1.32u Centrifugal Hyperthermia. 11th Annual Meeting of American Society for Laser Medicine and Surgery. April 1991 San Diego, CA
3. Choy DSJ, Saddekni S, Liebler W, Alkaitis D and Diwan S. Update on Percutaneous Laser Disc Decompression. 11th Annual Meeting of American Society for Laser Medicine and Surgery. April 1991 San Diego, CA
4. Choy DSJ and Diwan S. Bovine Liver subjected to Laserthermia with Nd: YAG 1.32u; Volume vs Joules. 11th Annual Meeting of American Society for Laser Medicine and Surgery. April 1991 San Diego, CA
5. Choy DSJ, Michelson J Getradjman G and Diwan S. 1991 update on Percutaneous Laser Disc Decompression. 12th Annual Meeting of American Society of Laser Medicine and Surgery, lake Buena Vista, May, 17 –19, 1992
6. Choy DSJ, Case RB, Dorsett B, Dasilva M and Diwan S. Induction of Angiogenesis in Rabbit Heart. 2nd Lenox Hill Hospital Research Conference, New York, NY, October 18, 1990

7. Gandhi RH, Hochman JS, Nackman GB, Diwan S and Tilson MD. Early Activation of Proteolytic Enzymes after Acute Myocardial Infarction in the Rat. American Heart Association, 66th Scientific session, Atlanta, Georgia, November 8-11, 1993
8. Ngeow J, Diwan S, Schneider R and Ghelman B. CT Guided needle Disruption of Facet Joint Cysts. North American Spine Society, Charleston, North Carolina, April, 1998
9. Ngeow J, Diwan S, Schneider R and Ghelman B. Needle Disruption of Facet Joint Cyst as Treatment for Lumbar Radicular Pain. ASRA, 23rd Annual Meeting, Seattle, Washington, May, 1998
10. S. Diwan, H. Hemmings and S. Panchal. Symptomatic treatment of Chronic Back Pain: Determination of Optimal signal Frequency and Preliminary Efficacy of a Targeted Non-Invasive Electronic Pain Control Device. 77th Clinical and Scientific Congress, IARS, March 21-25, New Orleans, Louisiana, 2003
11. Diwan S., Han Ji. Methadone Survey: Variations in Methadone Prescribing practices Among Pain Physicians. Presented at the IARS 80th Clinical and Scientific Congress Meeting, March 2006, San Francisco, CA.
12. Diwan S and Shah N. Methadone practice nation wide based on social stigma. 14th World Congress on Pain, New York, New York, March 13-16, 2009
13. Diwan S and Keesha Bruno. Explantation Intrathecal Pump in patient with autoimmune disease with complete resolution of chronic pain. 14th World Congress on Pain, New York, New York, March 13-16, 2009

RESIDENTS RESEARCH PROJECTS

1. Plasma morphine levels of patients on chronic oral morphine treatments to assess the toxic level with CA-4 resident Dr. Edward Rubin (2005)
2. Levobupivacaine for thoracic epidural infusion for post-operative pain management with CA-4 resident Dr. Edward Rubin (2005)

3. Methadone Survey for chronic cancer and non-cancer pain management, the national trend among the pain physicians with CA-3 resident Dr. Ji Han (2006)

RESIDENTS' COUNSELLER

1. Natalia Brown July 2002 – June 2004
2. Axen Raphael July 2002 – June 2004
3. Simon Lee July 2003 – July 2006
4. Cathy Maalouf July 2003 – June 2006
5. Brandon Harris July 2005 – June 2008
6. Maryam Ghods July 2006 – June 2009
7. Anna Battat July 2006 – June 2009
8. Drew Accordino July 2009 – 2010
9. Gijo Alex July 2009 - 2010

MEDICAL STUDENTS' MENTOR

1. Hilcias Duran – 4th Year Medical Student
2. Sonal Kamalia – 4th Year Medical Student (IMG)
3. Robin Armani – 4th Year Resident – Albert Einstein

INVITATION LECTURE PRESENTATIONS

1. Back Pain. International Hospitality Committee of National Council of Women. New York Presbyterian hospital, Weill Medical College of Cornell University, New York, New York, February 23, 2000
2. Chronic Geriatric Pain Syndromes. New York Presbyterian Hospital's HealthOutreach October 2002 program, Uris Auditorium, NYPH, New York, October 22, 2002
3. Advanced Pain Therapies. American Cancer Society (Eastern Division) and New York State Cancer and AIDS Pain Initiative. New York, New York, November 19, 2002

4. Role of Radiofrequency Neuroablation in Chronic Pain Management. 57th Post Graduate Assembly (PGA) December 6, 2003, New York New York
5. Intrathecal Medications. Perioperative Nurses' education series. February 23, 2004, New York Presbyterian Hospital, New York
6. Managing your Pain: New Approaches. "Information Please" breakfast. March 3, 2004. The Griffis Faculty Club, Weill Medical College of Cornell University, New York, New York
7. Care of dying Patients: The Nursing Perspective. May 3, 2004, New York Presbyterian Hospital of Cornell University, New York, New York
8. Interventional Pain Management: Spine Surgery Update in Neurosurgery Update Series. June 12, 2004, Weill Medical College of Cornell University, New York, New York
9. The Role of Radio Frequency Lesioning in Pain Management. Miniworkshop, 58th Post Graduate Assembly (PGA) December 11, 2004, New York, New York
10. Scientific session on "Conventional and Unconventional Pain Techniques". 59th Post Graduate Assembly (PGA), New York, December 11, 2005.
11. Mini Workshop on "Coagulation Challenges during the Perioperative Period". 59th Post Graduate Assembly (PGA), New York, December 13, 2005.
12. Mini Workshop on "Coagulation Challenges during the Perioperative Period". 60th Post Graduate Assembly (PGA), New York, December 12, 2006.
13. Updates on Cancer Pain Management. New York Scientific Symposium on Colorectal Cancer. New York Presbyterian Hospital, Weill Cornell Medical Center, New York, New York, March 2, 2007
14. Update your Medicine-2007. Weill Cornell Course of Continuing Medical Education. New York Presbyterian Hospital, Weill Cornell Medical Center, New York, New York, June 19, 2007

15. Methadone for Chronic Non-Cancer Pain. Annual Cornell Pain Medicine Symposium: Evidence based Practice of Pain Medicine and Updates. November 2007
16. Mini Workshop on “Coagulation Challenges during the Perioperative Period”. 61st Post Graduate Assembly (PGA), New York, December 11, 2007
17. Ganglion Impar Block. My Technique Symposium. Cleveland Clinic, 10th Annual Pain Management Symposium, San Diego, California, Feb 2008
18. How to prevent infection in Implantable Devices. Cleveland Clinic, 10th Annual Pain Management Symposium, San Diego, California, Feb 2008
19. Prevention of Infection in Implantable devices. Annual Cornell Pain Medicine Symposium: Evidence Based Practice of Pain Medicine and Updates. November 2008
20. Ganglion Impar Block. My Technique Symposium. Cleveland Clinic, 11th Annual Pain Management Symposium, Ft. Lauderdale, Florida, Feb-March, 2009
21. How to prevent infection in Implantable Devices. Cleveland Clinic, 11th Annual Pain Management Symposium, Ft. Lauderdale, Florida, Feb-March, 2009
22. Complications of Interventional procedures. Cleveland Clinic, 11th Annual Pain Management Symposium, Ft. Lauderdale, Florida, Feb-March, 2009
23. Interventional procedures in neck: How can we proceed safely? 14th World Congress on Pain by World Institution of Pain, March 13, 2009
24. Pathophysiology of Radiculopathy. 14th World Congress on Pain by World Institution of Pain, March 14, 2009
25. Safety in Pain Medicine Procedure. Do we resources to provide safety? How to prevent Infection in Implantable devices, Annual ASA Meeting, New Orleans, Louisiana, October 2009
26. Sacroiliac Joint pain: what’s new? Annual Cornell Pain Medicine Symposium: Evidence Based Practice of Pain Medicine and Updates. November 2009

27. Mini workshop on Updates in Interventional Pain Management. Sacroiliac joint Pain: What is New? 63rd Post Graduate Assembly, New York, December, 2009
28. Cervicogenic headache and effects of whiplash injury. NYSORA World Anesthesia Conference. Dubai, March 7-12, 2010
29. Opioid guidelines for Chronic Pain Management. Pain Management for Primary Care Providers. CME program by Stony Brook School of Medicine, New York, May 22, 2010
30. Minimally invasive options for chronic discogenic pain. Cutting Edge Pain Management techniques. WVSIPP annual meeting, Nassau, Bahamas, June 11-13, 2010
31. Choosing the correct pump patient for intrathecal pain therapy. Cutting Edge Pain Management techniques. WVSIPP annual meeting, Nassau, Bahamas, June 11-13, 2010
32. Avoiding infection with implantable devices. Cutting Edge Pain Management techniques. WVSIPP annual meeting, Nassau, Bahamas, June 11-13, 2010
33. Radiofrequency Ablation in Pain Medicine. Annual Pain Medicine Meeting and Workshops. Phoenix, Arizona, November 18-21, 2010
34. PBLD on Complications in Pain Medicine. Annual Pain Medicine Meeting and Workshops. Phoenix, Arizona, November 18-21, 2010

INTERNATIONAL INVITATIONS

1. Salzburg Weill Cornell Anesthesiology Seminar 2005, on Neuropathic Pain, Cancer Pain Management, Interventional Pain Management, Opioids and Chronic Pain and Radiofrequency Neuroablation in Chronic Pain. Salzburg, Austria, July 17-23, 2005
2. Satellite seminar for Salzburg Weill Cornell Anesthesiology-Pain Medicine Seminar on Interventional Pain Medicine, Opioids for Chronic Pain Medicine and Cancer Pain Management, Yerevan, Armenia, July 24-26, 2005

3. Percutaneous Laser Disc Decompression with Nd: YAG laser: A novel Approach. Regional Orthopedic Meeting, Gujarat Orthopedic Association, B.J. Medical college, Civil Hospital of Gujarat University Ahmedabad, India, January 22, 1993
4. Interventional Pain Therapies in Cancer Pain. Ahmedabad Medical Association Annual Meeting, Gujarat University, Ahmedabad, India, December 15, 1999
5. Interventional Pain Management: Sheth K.M. school of Post Graduate Medicine and Research, Gujarat University, Ahmedabad, India, December 28, 2004
6. Satellite symposium for Salzburg Weill Cornell Anesthesiology-Pain Medicine Seminar on Interventional Pain Medicine, opioids for Chronic Pain Medicine and Cancer Pain. University Hospital, Martin, Slovakia, October 2, 2006
7. 10th Congress of Anesthesiologists and Intesivists of Serbia: Opioid Abuse and Chronic Pain Management, Belgrade, Serbia, October 5, 2006
8. 10th Congress of Anesthesiologists and Intesivists of Serbia: Cancer Pain Management, Belgrade, Serbia, October 5, 2006
9. Global Update on Pain (III): Update in Pharmacotherapy of Cancer Pain, Mumbai, India, November 10, 2006
10. Global Update on Pain (III): Moderator – S. Diwan, S. Bakhshi – Iatrogenic Complications after the Nerve Block Procedures, Mumbai, India, November 10, 2006,
11. Global Update on Pain (III): Evidence Based Interventions in Chronic Spinal Pain, Mumbai, India, November 11, 2006
12. Masaryk's Teaching Hospital: Program of the Seminar in Usti nad Labem. Interventional Pain Management – Radiofrequency, September 17, 2007, Serbia

13. Masaryk's Teaching Hospital: Program of the Seminar in Usti nad Labem. Peri- and postoperative pain control in adults in the USA – Spinal Cord Stimulation, September 18, 2007,
14. Open Medical institute & Serbian Association of Anesthesiologist: Satellite Symposium in "Pain Therapy" Neuroaugmentation and Chronic Pain, Belgrade, Serbia, September 21-22, 2007
15. Open Medical institute & Serbian Association of Anesthesiologist: Satellite Symposium in "Pain Therapy": Intrathecal Pump for Chronic Pain, Belgrade, Serbia. September 21-22, 2007
16. Jaslok Hospital: Comprehensive Review of Interventional Pain Therapies Symposium and Workshop. "Physics and Principles of Radiofrequency Ablation". Mumbai, India, November 17, 2007
17. Jaslok Hospital: Comprehensive Review of Interventional Pain Therapies Symposium and Workshop. "Overview on Intrathecal Drug Delivery Systems". Mumbai, India, November 17, 2007
18. Jaslok Hospital: Comprehensive Review of Interventional Pain Therapies Symposium and Workshop. "ITDD Pump Implantation". Mumbai, India, November 18, 2007
19. Open Medical Institute of American Austrian Foundation. Salzburg Weill Cornell Anesthesiology Seminar on: Perioperative Pain Management, Treatment of Chronic Pain Syndromes, Regional Anesthesia in Patients on Anticoagulants, Opiate Pharmacology Drug Dependency, and How to start a Pain Service, August-September, 2008
20. Open Medical Institute of American Austrian Foundation and Weill Cornell Medical College satellite seminars on Interventional Pain Management, Opioids for Chronic Pain Management, Bishkek, Kazistan, May 2009

MEDICAL MISSION ACTIVITES

1. Member of the Medical Team "Healing the Children – Northeast, Inc.". Volunteered free medical services to the people of Ecuador from January 28 – February 4, 06.

2. Member of the Medical Team "Healing the Children – Northeast, Inc".
Volunteered free medical services to the people of Dominican Republic from April 27 to May 5, 2007.

PUBLICATIONS

1. Diwan S. Comparative study of Operative line of Treatment of Incisional Hernia. Thesis submitted to Gujarat University, Ahmedabad, India, November 1982
2. Choy DSJ and Diwan S. In vitro response of Bovine liver to Nd: YAG Laserthermia. *Journal of Clinical Laser Medicine and Surgery*, pp 39-42, August 1990.
3. Choy DSJ, Ascher PW, Saddekni S, Liebler W, Alkaitis D, Hughes J, Diwan S and Altman P. Percutaneous Laser Disc Decompression (PLDD): A new therapeutic modality. *Spine*, May 7 1991
4. Choy DSJ Saddekni S, Michelson J, Liebler W and Diwan S. Percutaneous Laser Disc Decompression with Nd: YAG laser. *Journal of Arthroscopy*, vol 1(9), 9-13, November 1991
5. Choy DSJ, Michelson J, Getrajdman G and Diwan S. Percutaneous Laser Disc Decompression: An update. *Journal Clinical Laser Medicine and Surgery*. Vol 10 (3), 177-184. June 1992
6. Choy DSJ, Diwan S, Thorton J, Moser F and Botsford J. The relationship of Lumbar Disc volume to body size. *Journal of clinical Laser Medicine and Surgery*, vol 10(6) 433-435, 1992
7. Choy DSJ and Diwan S. In Vitro and In Vivo fall of Intradiscal Pressure with Laser Disc Decompression. *Journal of Clinical Laser Medicine and Surgery*. Vol 10 (6), 435-438, 1992
8. Hahn RT, Brown E, Wong SC, Diwan S, Mogtador AH< Legato M and Hochman JS. Reduction of myocardial Infarct Expansion by Late Re-perfusion: Early echocardiography changes and the ultra structural basis. Submitted for publication in *Journal of Cardiovascular Research*

9. Waldman S and Diwan S. Low Back Pain. Health Connection: Health Newsletter, department of community education of Hospital for Special Surgery, vol 6 (2), winter, 1997
10. Diwan S. Chronic Pain Geriatric Population. Health Outreach Quarterly Newsletter of New York Weill Cornell Medical Center. October 2002
11. S. Diwan, H. Hemmings and S. Panchal. Symptomatic treatment of Chronic Back Pain: Determination of Optimal signal Frequency and Preliminary Efficacy of a Targeted Non-Invasive Electronic Pain Control Device. Anesth Anal 96; S-1-S 293, 2003
12. Conn A, Buenaventura RM, Datta S, Abdi S and Diwan S. Systematic Review of Caudal Epidural Injections in the management of Chronic Low Back Pain. Pain Physician 12(1): 109-136, 2009
13. Benyamin R, Singh V, Parr AT, Conn A, Diwan S and Abdi S. Systematic Review of the Effectiveness of Cervical Epidurals in the Management of Chronic Neck pain. Pain Physician 12(1): 137-158, 2009
14. Parr AT, Diwan S and Abdi S. Lumbar Interlaminar Injections in Managing Chronic Low Back and Lower Extremity Pain: A Systematic Review. Pain Physician 12(1): 163-188, 2009
15. Conn A, Buenaventura RM, Datta S, Diwan S. Systematic Review of Caudal Epidural Injections in the Management of Chronic Low Back Pain. Pain Physician; Vol 12 (1), p 109, Jan/Feb 2009
16. Benyamin R, Singh V, Parr AT, Diwan S. Systematic Review of the Effectiveness of Cervical Epidurals in the Management of Chronic Neck Pain. Pain Physician; Vol 12 (1), p 137, Jan/Feb, 2009
17. Parr AT, Diwan S, Abdi S. Lumbar Interlaminar Epidural Injections in Managing Chronic Low Back and Lower Extremity Pain; A Systematic Review. Pain Physician; Vol 12 (1), p 163, Jan/Feb, 2009
18. Manchikanti L, Boswell M, Singh V, Benymin R, Abdi S, Diwan S, Hayek S, Parr A et al. Comprehensive Evidence Based Guidelines for Interventional

- Techniques in the Management of Chronic Pain. *Pain Physician*; 12(4): 699-802, 2009
19. Darwich A and Diwan S. Management of Back pain in Pregnancy. *Techniques in Regional Anesthesia and Pain Management*, 13(4):251-254, October, 2009
 20. Deer T, Ranson M, Capural L and Diwan S. Guidelines for the Proper use of Epidural Steroid Injections for the Chronic Pain Patient. *Techniques in Regional Anesthesia and Pain Management*, 13(4):288-295, October, 2009
 21. Sudhir Diwan. Epidural Steroid Injections: What's New? (Editorial), *Techniques in Regional Anesthesia and Pain Management*, 13(4):203-204, October, 2009
 22. Shah V, Shah N and Diwan S. Future of Pain Medicine: Computer and Robotic assisted Procedures. *Techniques in Regional Anesthesia and Pain Management*, 13(4): 296-298, October, 2009

BOOK CHAPTERS

1. Malhotra V and Diwan S. Anesthesia and the Renal and Genitourinary Systems. *Anesthesia by Ronald D Miller (ed)*, 5th edition, New York, Churchill Livingstone, 2000
2. Rosner H and Diwan S. "The Role of Gabapentin in Management of Neuropathic Pain". In *PAIN: Current understanding, Emerging therapies, and Novel Approaches to Drug Discovery*. Bountra, Munglani and Schmidts (eds.) publisher Marcel Dekker Inc., New York, NY, 2003
3. Diwan S, Ahmed S, "Cancer Pain" in Yao-Artusio's *Anesthesiology: Problem-oriented Patient Management*. 5th edition, Lippincott-Raven, New York, 2003
4. Diwan S and Malhotra V. "Complex Regional Pain Syndromes" in Yao-Artusio's *Anesthesiology: Problem-oriented Patient Management*. 5th edition, Lippincott-Raven, New York, 2003
5. Malhotra V., Diwan S. and Sudheendra V. Anesthesia and the Renal and Genitourinary Systems. *Anesthesia by RD Miller (ed.)*, 6th edition, New York, Churchill Livingstone, 2005
6. Diwan S, Ahmed S, "Cancer Pain" in Yao-Artusio's *Anesthesiology: Problem-oriented Patient Management*. 6th edition, Lippincott-Raven, New York, 2007

7. Diwan S, E Rubin and Malhotra V. "Complex Regional Pain Syndromes" in Yao-Artusio's Anesthesiology: Problem-oriented Patient Management. 6th edition, Lippincott-Raven, New York, 2007
8. S. Diwan and E. Rubin. Zoster and Postherpetic Neuralgia: for New Encyclopedia of Neuroscience 2007 Elsevier, London
9. S. Agarwal and S. Diwan. Perioperative and Patient controlled Epidural Analgesia. (in press)
10. S. Diwan and P. Anello. Discography for Textbook of Interventional Pain Management: a practical Approach. Eds. Baheti, Bakshi, Gupta, Gehdoo. Jaypee Brothers Medical Publishers Ltd. Mumbai, India, 2009
11. S. Diwan and D. Tarcatu. Percutaneous Discectomy for Textbook of Interventional Pain Management: a practical Approach. Eds. Baheti, Bakshi, Gupta, Gehdoo. Jaypee Brothers Medical Publishers Ltd. Mumbai, India, 2009
12. Malhotra V., Diwan S, Sudheendra V. and O'Hara J. Anesthesia and the Renal and Genitourinary Systems. Anesthesia by RD Miller (ed.), 7th edition, New York, Churchill Livingstone, Chapter 65, pp 2105-2134, 2010
13. S. Diwan. Epidural steroid injections: what's new? (editorial), Techniques in Regional Anesthesia and Pain Management, 13(4): 203, 2009
14. A. A. Darwich and S. Diwan. Management of Back pain in Pregnancy. Techniques in Regional Anesthesia and Pain Management, 13(4): 251-54, 2009
15. T. Deer, M. Ranson, L. Kapural and S. Diwan. Guidelines for the proper use of epidural steroid injections for the chronic pain patient. Techniques in Regional Anesthesia and Pain Management, 13(4): 288-95, 2009
16. V. Shah, N. Shah and S. Diwan. Future of pain medicine: computer and robotic assisted procedures. Techniques in Regional Anesthesia and Pain Management, 13(4): 296-98, 2009
17. D. Peck and S. Diwan. Fixed rate pump vs. Programmable pumps. For "Intrathecal Drug Delivery for Chronic Pain and Spasticity", 1st Edition. This volume is edited by Asokumar Buvanendran and Sudhir Diwan, with the oversight of Timothy Deer, Elsevier, Philadelphia, 2010 (in press)
18. R. Bal, J. Loh and S. Diwan. Synchroned EL vs. Synchroned II pumps. For "Intrathecal Drug Delivery for Chronic Pain and Spasticity", 1st Edition. This

- volume is edited by Asokumar Buvanendran and Sudhir Diwan, with the oversight of Timothy Deer, Elsevier, Philadelphia, 2010 (in press)
19. S. Shah, P. Staats and S. Diwan. For “Intrathecal Drug Delivery for Chronic Pain and Spasticity”, 1st Edition. This volume is edited by Asokumar Buvanendran and Sudhir Diwan, with the oversight of Timothy Deer, Elsevier, Philadelphia, 2010 (in press)
 20. R. Bal, K. Gritsenko and S. Diwan. Pelvic Pain. "Pelvic Pain" for *Essentials of Pain Medicine*, 3rd Edition, edited by Honorio Benzon, Srinivasa Raja, Scott Fishman, Spencer Liu, and Steven P. Cohen. Elsevier, Philadelphia, 2010 (in press)

BOOKS

1. Editor for “*Intrathecal Drug Delivery for Chronic Pain and Spasticity*”, 1st Edition. This volume is edited by Asokumar Buvanendran and Sudhir Diwan, with the oversight of Timothy Deer, Elsevier, Philadelphia, 2010 (in Press)
2. Editor for “Atlas of Pain Management Procedure”. Eds. Sudhir Diwan and Peter Staats. McGraw Hill, Philadelphia, 2010 (in Press)

MEDIA COVERAGE

1. Indian Express. Interview on Interventional Pain Management. January 2003
2. Television Interview on “New Year’s Hangover Pill” (MSNBC, NY1) December 23, 2003
3. Online Media Coverage on Rheumatoid Arthritis: Take Control of Pain and Fatigue. January 21, 2004
4. Television Interview on “Vioxx Recall” FOX 5 evening news, September 30, 2004
5. Television interview on “Alternatives to Vioxx as painkiller” CBS 2 evening news, October 1, 2004
6. New York Times, Health and fitness section. One lesson from Vioxx: Approach new drugs with caution. October 5, 2004

7. Los Angeles Times. What now for pain? When Vioxx of the market. October 11, 2004
8. MSNBC NY1 television interview on other COX II inhibitors are also increasing the risk of myocardial infarction and stroke? October 8, 2004
9. WebMD October 2004. Alternative of VIOXX for arthritis
10. Illustrated Sports, December 20, 2004. Oxycontin abuse in professional sports
11. NY Times. For Pain Management, Doctors Prescribe Caution, February 20, 2005
12. Television Interview on “Controversy in Use of Pain Killers”, South Asia World, March 2, 2005
13. Fox-5’s Morning Show – Good Day New York – “Over the Counter Pain Relievers – How they are Different?” November 1, 2005
14. Featured in the article “Sweet Relief” in Graduate School of Medical Sciences Winter 2006
15. CBS news in “Health Headlines” story on “Spinal Cord Stimulators for Chronic Back Pain”, May 19, 2008
16. CBS News for Health Headlines. Battling Back Pain. Radiofrequency Neurolysis of Sacroiliac joints for Chronic Low Back pain. December 30, 2009

HONORS

1. Patient waiting room dedicated to: John Daly, MD, Chairman of Surgery, Ira Jacobson, MD, Gastroenterology and Sudhir Diwan, MD, Director, Pain Medicine (2004), New York Presbyterian Hospital, Greenberg-3
2. Cocktail reception in my honor by New York Weill Cornell Medical Center at Griffis Faculty Club Cornell University, New York, NY 10021 on 09/15/05

3. Nominated as “Physician of the Year” award by nurses, 2006
4. Cocktail reception in my honor by Chet and Debbie Simunovich as fund raising event for support of clinical, research and educational activities of Division of Pain Medicine at New York Presbyterian Hospital of Cornell University, on June 1, 2007
5. “Physician of the Year” award by nursing council of New York Presbyterian Hospital, 2007
6. “Top Doctor in Metropolitan Area 2008, 2009, 2010” selected by Castle Connolly Medical Ltd.
7. “America’s Top Doctors 2008, 2009, 2010” selected by Castle Connolly Medical Ltd.
8. “Best Doctors in New York 2009, 2010” selected by Castle Connolly Medical Ltd.
9. “America’s Top Doctors for Cancer Pain 2009, 2010” selected by Castle Connolly Medical Ltd

DONATIONS

\$500,000.00 from patient towards development of pain facility and pain related research (amount matched by Dean)	2003
\$100,000.00 towards development of pain facility and pain related research (amount matched by Dean)	2004
	2004
\$50,000.00 from patient for pain research	
\$5,000.00 from patient towards Dean's "Advancing Clinical Mission" Project	2004
\$ 100,000.00 Towards Pain Division for Pain Related research and Education	2004
\$35,000.00 from patient for pain fellowship library (5K/yr x 7 yrs)	2009

RESEARCH PROJECTS

(As principal or sub-investigator)

1. A randomized single-blinded, comparative crossover trial of the safety and Efficacy of a Non-invasive Targeted Electronic Pain Control Device "Biowave System versus Transcutaneous Electrical Nerve Stimulation "TENS" for the symptomatic treatment of Chronic Low Back Pain (Co-PI)
2. A Randomized, Double-Blind, Placebo-Controlled, Multi-center Phase 3 Study to Evaluate the Long-Term Safety of Alvimopan 0.5mg Twice Daily for 12 Months for the Treatment of Opioid-Induced Bowel Dysfunction in Adults taking Opioid Therapy for Persistent Non-Cancer Pain (PI)
3. A Randomized, Double-Blind, Placebo-Controlled, Multi-Center Phase III Study to Evaluate the Efficacy and Safety of Alvimopon 0.5 mg Once Daily and 0.5 mg Twice Daily for 12 Weeks for the treatment of Opioid-Induced

Bowel Dysfunction in Adults Taking Opioid Therapy for Persistent Non-Cancer Pain (PI)

4. Determination of Optimal Signal Frequency and Preliminary Efficacy for the Biowave Targeted Non-invasive Electronic Pain Control Device (Biowave) Phase 1 & 2 (Co-PI)
5. An open-label, long term Safety and Tolerability Study of Ziconotide administered intrathecally to patients with Chronic Severe Pain (Sub-PI)
6. A randomized, double-blind, placebo-controlled study to evaluate the safety and efficacy of ketorolac in the management of post-operative pain after heart surgery (Sub-PI)
7. Multicenter Chronic Pain Clinical Outcome Study, Co-PI, received "Go" and NIH Grants 2009

RESEARCH PROJECTS COMPLETED

1. Multi-Center, Double-Blind, Randomized, Placebo Controlled, Multiple Dose Study of the Analgesic Efficacy and Safety of Acetaminophen Injection 1 Gram Versus Placebo for Pain Following Vaginal Hysterectomy (11/03 – 8/13/04)
2. An Open-Label, Long-Term, Multicenter Study of Ziconotide Administered Intrathecally (01/16/03 – 03/24/05)
3. An Open-Label, Long-Term, Multi-Center, Intrathecal Ziconotide (PRIALT™) Effectiveness And Safety Trial (ZEST) In Patients With Chronic Severe Pain (04/27/04 – 03/29/05)
4. A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Phase IIb Study to Evaluate the Efficacy and Safety of Multiple Alvimopan Dosage Regimens for the Treatment of Opioid-Induced Bowel Dysfunction in Subjects with Chronic Pain of Non-Malignant Origin (12/16/03 – 11/30/04)

HOSPITAL/DEPARTMENTAL COMMITTEES (2001-2010)

1. Interdisciplinary Pain Management committee- Chair
2. Clinical Competence Committee
3. Clinical Practice Committee
4. Hospital Ethic committee
5. Equity Task Force Committee
6. Fellowship committee
7. Compensation Committee

STATE COMMITTEES

2003 – 2006 NYSSA Committee on EDITORIAL BOARD (SPHERE)
2003 – 2006 NYSSA Committee on PUBLIC EDUCATION AND INFORMATION
2003 – Present NYSSA Speaker's bureau for Pain Management
2003 – Present NYSSA Scientific Committee
2009 – Present Office of Professional misconduct (**OPMC**) Expert, New York State Health department

NATIONAL COMMITTEES

2009 - Present ASA committee on Pain Medicine
2009 - Present ASA subcommittee on Regional Anesthesia and Acute Pain
2009 - Present **Examiner** for Fellow of Interventional Pain Physician (FIPP)
2009 - Present **Examiner** for American Board of Interventional Pain Physicians (ABIPP)
2009 **Guest Editor**, Special issue on Epidural Steroid injections: What is New?
For Techniques on Regional Anesthesia and Pain Medicine, Oct 2009

2009- **Present Editorial board**, Pain Physician, official journal of the American society of Interventional Pain Physicians (ASIPP) 2009
2009 – Present **Executive Director**, New York Society of Interventional Pain Physicians (NYSIPP)

PROFESSIONAL MEMBERSHIPS

Member	New York State Society of Anesthesiologists (NYSSA)	1997
Member	American Society of Anesthesiologists (ASA)	1997
Member	American Society of Regional Anesthesia (ASRA)	1998
Member	American Pain Society (APS)	1998
Member	North American Spine Society (NASS)	1998
Member	North American Neuromodulation Society (NANS)	1999
Member	International Society of the Study of Pain (ISSP)	1999
Member	International Association of Research Society (IARS)	2000
Member	American Medical Association (AMA)	2003
Member	American Academy of Hospice & Palliative Medicine	2004
Member	World Institute of Pain (WIP)	2008
Member	American Society Of Interventional Pain Practice (ASIPP)	2008