Curriculum Vitae

PART I: General Information

DATE PREPARED: January 7, 2008

Name: Thomas T. Simopoulos, MD, MA

Office Address: 330 Brookline Avenue, ST537

Boston, MA 02215

Place of Birth: Marlborough, MA

Education:

1995	MD	University of Massachusetts Medical School, Worcester, MA
1991	MA	Biochemistry Brandeis University, Waltham, MA
1991	BA	Biochemistry Brandeis University, Waltham, MA

Postdoctoral Training:

2000-2001	Trainee	Physician Acupuncture Division of Pain Management, Beth Israel Deaconess Medical Center Harvard Medical School, Boston, MA
1999-2000	Fellow	Pain Management Fellowship Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA
1996-1999	Resident	Department of Anesthesiology Brigham and Women's Hospital, Harvard Medical School, Boston, MA

1995-1996	Intern	Medical Internship New England Medical Center, Boston, MA Physicians Preliminary Medicine at Faulkner Hospital

Licensure and Certification:

1995	BLS and ACLS Certification
1999	Massachusetts State Medical License No. 159056
2000	Boarded by the American Board of Anesthesiology
2001	Boarded by the American Board of Anesthesiology in Pain Medicine

Academic Appointments:

1996-1999	Clinical Fellow Anesthesia	Harvard Medical School, Boston, MA
1999-2000	Clinical Fellow in Pain Med	Harvard Medical School, Boston, MA
2000 - Present	Instructor in Anaesthesia	Harvard Medical School, Boston, MA

Hospital or Affiliated Institution Appointments:

2000 - Present	Associate in Anesthesia	Department of Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, MA
2001 - 2006	Director of Acute Postoperative Pain Service	Beth Israel Deaconess Medical Center, Boston, MA
2002 – Present	Director of Interventional Pain Service	Beth Israel Deaconess Medical Center, Boston, MA
2000-2003	Member, Regional Anesthesia Team	Beth Israel Deaconess Medical Center, Boston, MA

Major Administrative Responsibilities:

2001 - 2006	Director of Acute Postoperative Pain Service	Beth Israel Deaconess Medical Center, Boston, MA
2002 – Present	Director of Interventional Pain Service	Beth Israel Deaconess Medical Center, Boston, MA
2004	Updating Pain Mgmt Policies & Procedures	Beth Israel Deaconess Medical Center, Boston, MA

Major Committee Assignments:

Departmental

2003- Present	Member, Pain Fellow Selection Committee 2004

National

2006-Present	Member, American Board of Interventional Pain Board Examination Committee

Professional Societies:

1995-present	Member	American Medical Association (AMA)
1996-present	Member	Massachusetts Medical Society
1996-present	Member	American Society of Anesthisiologists (ASA)
1996-present	Member	American Society of Regional Anesthesiologist (ASRA)
2002-present	Member	Massachusetts Society of Anesthesiologists
2004-present	Member	Massachusetts Society of Interventional Pain Physicians
2003-present	Member	American Society of Interventional Pain Physicians
2003-present	Member	International Neuromodulation Society
2004-present	Member	International Association for the Study of Pain (IASP)
2006-present	Member	International Spine Intervention Society (ISIS)

Editorial Boards:

2001-2002	ad hoc reviewer,	Regional Anesthesia & Pain Med
2004-Present	Editorial Advisory Board	Pain Physician

Awards and Honors:

2004	"Teacher of the Year in Pain Management" Beth Israel Deaconess Medical Center/Harvard Medical School
2003	"Teacher of the Year in Pain Management" Beth Israel Deaconess Medical Center/Harvard Medical School
1995	Medical Student Research Award in Anesthesiology
1991	Phi Beta Kappa member of Mu of Massachusetts at Brandeis University
1991	Summa Cum Laude BA/MA Biochemistry
1991	Melvin M. Snider Prize in Chemistry
1991	The American Institute of Chemist's Foundation and the New England Institute of Chemists Student Award for the Outstanding Senior Majoring in Chemistry
1990	Nathan and Bertha Ricter Basic Science and Ford Fellow Research Award

D. Report of Teaching/Lectures

1. Local Contributions

a. Dental & Medical School Courses

Dental School Courses

2001 & 2002	Orofacial Pain Course, Harvard Dental School Lecturer

Medical School Courses

2005 & 2006	Acute pain management, Harvard Medical School Lecturer

b. Graduate Courses

2001-present	Acute and Chronic Care Teaching Conference Lecturer on a variety of topics in chronic pain
2001-05	Surgery intern orientation lectures Lecturer on management of acute post-operative pain
2001-05	Anesthesia resident lectures Lecturer on various pain management topics

c. Local Invited Teaching Presentations

2002	Lecturer: Complex Regional Pain Syndromes I & II Psychiatry Clinical conference BIDMC.
2003	Lecturer: Pharmacotherapy of Pain Symposium on Pain Management for Nurses at BIDMC

2004	Lecturer: Basics on Spinal Cord Stimulation Spaulding Rehabilitation morning resident conference
2004	Lecturer and Proctor: Spinal Cord Stimulation IPI Interventional Pain Workshop, Wakefield MA
2004	Lecturer: Spinal Cord Stimulation Anesthesia Grand Rounds: Boston Medical Center
2005	Lecturer: Management of Malignant Pain Clinical Conference: Heme/Onc BIDMC
2005	Lecturer: New Modalities for Low Back Pain Nursing Symposium: Taking the mysteries out of pain at BIDMC
2006/07	Lecturer: Application of radiofrequency technology to the dorsal root ganglion Bulfinch Noon Conference at the Massachusetts General Hospital
2007	Lecturer: Application of radiofrequency technology to the dorsal root ganglion Morning conference at the Brigham and Women's Hospital
2007	Lecturer and cadaver course director: Spinal cord stimulation and failed back surgery syndrome: Cadaver workshop:
2007	Lecturer and Proctor: Radiofrequency Lesioning IPI Interventional Pain Workshop, Peabody MA

d. Continuing Medical Education Courses

2002	Harvard Anesthesiology and Update Annual Course Lower Extremity Nerve Blocks
2006 & 2007	Head and Facial Pain, Harvard Medical School Advanced Therapies for Head and Neck Pain

2001-2007	Principles and Practice of Pain Medicine, Harvard Medical School New therapies for PHN, Intrathecal therapies, Trouble-shooting Implantable technologies, & Spinal Cord Stimulation.
2002	Annual course on Anesthesia Update of Anesthesia Massachusetts Society for Anesthesiology- Massachusetts Anesthesiology Continuing Education (MACE) New Analgesics, Pain for the non-pain specialist, Interventional pain management
2004-2006	Pain Management for the Non-Pain Specialist, Harvard Medical School Implantable therapies for pain, New modalities for low back pain, Guided tour of pain treatment procedures, Overview of low back pain.

2. Regional, National, and International Contributions

a. Invited presentations

2007 Visiting Professor for Pain Management/Anesthesiology
University of Louisville
Grand Rounds: Introduction to Spinal Cord Stimulation

2007 American Society of Anesthesiologist
Lecturer and Proctor: Radiofrequency rhizotomies cadaver workshop

2007 Invited Speaker: Spinal Cord Stimulation for Axial Back Pain
The Neuromodulation Society of UK and Ireland and the British Stereotactic and functional Neurosurgery Group

2007 Invited Speaker: Failed Back Surgery Syndrome and Spinal Cord Stimulation
Midwest Cadaver Implant Workshop, University of Cincinnati

2006 Invited Speaker: Pressure-Controlled Discography, Radiofrequency of the Dorsal Root Ganglion, Epidural Steroids & Vertebroplasty Workshops
American Society of Regional Anesthesia & Pain Medicine, Fall Meeting, San Francisco

2006 Invited Speaker: Advances in Chronic Pain & Implantable Devices for Chronic Pain
Clinical Issues in Anesthesiology UMDNJ, Lake Placid, NY

2006 Invited Speaker: Advanced Modalities for Diagnosis & Treatment in Chronic Pain
The New Hampshire Society of Interventional Pain Physicians Annual Meeting

2006 Invited Speaker: Emerging Devices for Pain Management
Eastern Pain Association Annual Meeting

2005 Visiting Professor in Anesthesiology
UMDNJ, Cooper Hospital, NJ
Grand Rounds: Advances in Chronic Pain Management

2005 Visiting Professor for Pain Management/Anesthesiology
Department of Anesthesiology, Santa Clara Medical Center, CA
Grand Rounds: New Modalities in Chronic Pain Management

2005-07 Course Director, Lecturer, and hands on Instructor
VISTA Laboratories- Spinal Cord Stimulation Workshops

2003 Invited Speaker and moderator: Feasibility and Safety of Chronic Pain Blocks
Meeting: SAMBA Annual Meeting, Boston, MA

PART II: Bibliography

Original Articles:

1. **Simopoulos TT**, Jencks WP. *Alkaline Phosphatase is an Almost Perfect Enzyme*. Biochemistry 1994;33: 10375-10380.

2. **Simopoulos TT**, Smith HS, Peeters-Asdourian, Stevens DS. *Use of Meperidine in Patient-Controlled Analgesia and the Development of a Normeperidine Toxic Reaction*. Arch Surg. 2002;137:84-88.

3. Malik A, **Simopoulos TT**, Elkersh M, Aner M, Bajwa Z. *Percutaneous Radiofrequency Lesioning of Sensory Branches of the Obturator and Femoral Nerves for the Treatment of Non-Operable Hip Pain*. Pain Physician 2003;6:499-502.

4. **Simopoulos TT**, Malik AB, Sial KA, Elkersh M, Bajwa ZH*, Radiofrequency Lesioning of the L2 Ramus Communicans in Managing Discogenic Low Back Pain*. Pain Physician 2005;8:61-65.

5. **Simopoulos TT,** Kramer J, Cambron B, Nagda J, Aner M, Bajwa ZH**.** Pulsed versus Pulsed and Continuous Radiofrequency Treatment of the Dorsal Root Ganglion and Segmental Nerves in Patients with Chronic Lumbar Radicular Pain: A Pilot Study. Pain Physician 2008;11:137-144.

Clinical Communications:

1. **Simopoulos TT**, Asdourian, CP *Pneumocephalus after Cervical Epidural Steroid Injection*. Anesth Analg 2001;92(6):1576-1577.

2. Elkersh M, **Simopoulos TT**, Cho E, Bajwa Z. *Epidural Clonidine Relieves Intractable Neuropathic Itch Associated with Herpes-Zoster Related Pain*. Reg Anesth Pain Med 2003;28:344-46.

3. Hosny, A, **Simopoulos TT**, Collins, B. Response *of Intractable Post Herpetic Neuralgia to Intrathecal Baclofen*. Pain Physician 2004;7:345-347.

Educational Material

1. Outline for Fellows Implantation of Spinal Cord Stimulators Manual 2004.

Reviews, Chapters, and Editorials:

1. **Simopoulos TT**, *Preemptive Analgesia*. Progress in Anesthesiology 2001; Volume XV (19):339-351.

2. **Simopoulos TT**, Bajwa ZH, *Opioids for Chronic Pain*. Journal Watch Neurology 2004;6(4):50-51.

3. Dey, R, **Simopoulos TT***, Failed Back Surgery Syndrome*. In: Warfield CA, and Bajwa ZH. Principles and Practice of Pain Medicine (Second Edition), McGraw-Hill, 2004.

4. **Simopoulos TT**, *Preemptive Analgesia*. In: Warfield CA, and Bajwa ZH. Principles and Practice of Pain Medicine (Second Edition), McGraw-Hill, 2004.

5. Elkersh M, **Simopoulos TT**, Bajwa ZH, Fundamentals of Interventional Pain Medicine. *The Neurologist* 2005;11(5):285-293.

6. Rathmell JP**, Simopoulos** TT, et al. Low Back Pain. In Ballantyne JC. The Massachusetts General Hospital Handbook of Pain Medicine (Third Edition), Lippincott Williams & Wilkins 2006.

7. Sial KA**, Simopoulos TT,** et al. *Cervical Facet Syndrome*. In Waldman SD. Pain Management (Third Edition). Saunders-Elsevier 2006.

Thesis

1. **Simopoulos TT**, Alkaline phosphatase is rate limited by diffusion. {Biochemistry Master's Thesis}. Brandeis University; 1991.

Other Published Material

Newspaper Article

1. **Simopoulos TT**, et al. *Older patients require lower opioid doses, study confirms*. Anesthesiology

2007;33(3):12. and in Pain Medicine News 2007;5(1):16.

Audiovisual Material

1. **Simopoulos TT**. *Understanding and Managing Acute Pain* [videocassette]. Secaucus NJ: Network for Continuing Medical Education, Program #807; 2002.

Abstacts

1. Robinson D, Dreskin S, Kramer J, **Simopoulos TT**, Bajwa ZH. *The effects of different doses of lumbosacral epidural steroids for patients with lumbosacral radiculopathy and spinal stenosis*. Presented at the American Academy of Pain Medicine, San Francisco, CA, March, 2006.

2. Bernardini DJ, **Simopoulos TT**. *Pulsed Radiofrequency of the C2 dorsal root ganglion for the treatment of occipital neuralgia and transformed migraine headaches*. Presented at the American Society of Regional Anesthesia & Pain Medicine, San Francisco, CA, November, 2006.

3. Kraemer J, **Simopoulos TT**, *The treatment of chronic lumbosacral radiculopathy with pulsed* and *continuous radiofrequency.* Presented at the American Society of Regional Anesthesia & Pain Medicine, San Francisco, CA, November 2006.

4. Thacker J, Gross, Foster A, Oakley J, Raso L, Stauss T, Yearwood T, **Simopoulos TT**, Bennett D, et al. *A Multi-center trial evaluating the efficacy of spinal cord stimulation for axial low back pain*. Presented at the American Academy of Pain Medicine, February, 2007.

5. Gerszten P, Rathmell JP, **Simopoulos TT**, et al. *Plasma disc decompression compared to selective nerve root block for treating symptoms associated with contained protrusion: Interim results from a randomized controlled trial.* Accepted and to be presented at North American Spine Society Meeting , Austin Tx, October, 2007.

6. Linn A, Shah D, **Simopoulos TT**. *Changes in glycosylated hemoglobin levels after epidural steroid administration in Diabetics*. Anesthesiology 2007;107:A1897.