

## CURRICULUM VITAE

**ADNAN ADIB ABLA, M.D., F.A.C.S.**

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### **EDUCATION AND TRAINING**

<b>GRADUATE</b> 1970-1972	American University of Beirut Beirut, Lebanon	M.Sc. Biochemistry
1972-1978	American University of Beirut Beirut, Lebanon	M.D.
<b>UNDERGRADUATE</b> 1966-1970	American University of Beirut Beirut, Lebanon	B.Sc. Biology
<b>HIGH SCHOOL</b> 1964-1966	International College of Beirut Beirut, Lebanon	
<b><u>POST GRADUATE</u></b>		
1977-1978	American University Hospital Beirut, Lebanon	Internship Medicine & Surgery
1978-1979	King Faisal Specialist Hospital Riyadh, Saudi Arabia General Surgery -4months Urology -2months Cardiac Surgery -4 months (Baylor College) Orthopedics -1 month	Residency Surgery
1979-1980	King Faisal Specialist Hospital Riyadh, Saudi Arabia	Residency Surgery (Urology)

**EDUCATION AND TRAINING (continued)**

1980-1984	American University Hospital Beirut, Lebanon	Residency Neurological Surgery
1984-1985	AUH-Allegheny General Pittsburgh, Pennsylvania	Residency Training General Surgery
1985-1988	AUH-Allegheny General Pittsburgh, Pennsylvania	Clinical Fellowship Neurological Surgery
1988-3/31/91	Medical College of Pennsylvania Philadelphia, Pennsylvania	Resident Neurosurgery
4/1/91-6/30/93	University of Oklahoma Medical Oklahoma City, Oklahoma	Resident Neurosurgery
11/92-6/93	University of Oklahoma Medical Oklahoma City, Oklahoma	Resident Spinal Instrumentation Neurosurgery and Orthopedic
12/8/05	New England Baptist Hospital Boston, Massachusetts	Cervicore Investigator Training The Boston Spine Group

**ACADEMIC APPOINTMENTS**

7/93--10/97	Allegheny University of Health Sciences-Allegheny General Pittsburgh, Pennsylvania	Assistant Professor Neurological and Orthopedic Surgery
10/97--10/99	Allegheny University of Health Sciences/MCP Hahnemann University-Allegheny General Pittsburgh, PA	Clinical Associate Professor Neurological and Orthopedic Surgery
10/99—4/05	University of Pittsburgh School of Medicine Pittsburgh, PA	Clinical Associate Professor Department of Neurological Surgery
4/05—Present	University of Pittsburgh School of Medicine Pittsburgh, PA	Clinical Professor Department of Neurological Surgery

**HOSPITAL APPOINTMENTS**

7/93--10/97	Allegheny General Hospital Pittsburgh, PA	Attending
10/97--10/99	Allegheny General Hospital Pittsburgh, PA	Senior Attending Director, Spine Services
10/95-Present	UPMC Passavant Pittsburgh, PA	Active
3/96-Present	Trinity West Medical Center Steubenville, OH	Courtesy
8/96-Present	Sharon Regional Health System Sharon, PA	Affiliate
3/98-Present	Weirton Medical Center Weirton, WV	Courtesy
10/99--Present	UPMC Presbyterian Pittsburgh, PA	Active
1/00-Present	UPMC Shadyside Pittsburgh, PA	Courtesy
1/00-Present	UPMC St. Margaret Pittsburgh, PA	Assistant
1/00-Present	UPMC Horizon Greenville, PA	Associate
7/00-Present	Wheeling Hospital Wheeling, WV	Associate
5/01-Present	Sewickley Valley Hospital Sewickley, PA	Associate
8/02-Present	The Washington Hospital Washington, PA	Associate

**CERTIFICATION**

May 7, 1997  
May 1998

Diplomat, The American Board of Neurological Surgery  
Fellow American College of Surgeons

**LICENSURE**

1986	Pennsylvania - MD-037456-E
1986	Ohio - 54137
1991	Oklahoma - 17624
1995	Florida - 390911
1996	West Virginia - 18328

**MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

Allegheny County Medical Society  
American Association for Advance of Science  
American Medical Association  
Congress of Neurological Surgeons  
World Association of Lebanese Neurosurgeons  
Pennsylvania Medical Society  
Pennsylvania Neurosurgical Society  
Oklahoma State Medical Association  
Joint Committee on Spine and Peripheral Nerves - AANS/CNS  
American Association of Neurological Surgeons

### **HOSPITAL COMMITTEE WORK**

Allegheny General Hospital, NICU Quality Assessment Committee	1995-1999
Orthopedic Standardization Committee	1995-1998
UPMC Presbyterian Hospital, Spine Team	2000-present
UPMC Presbyterian Hospital, PAM Spinal Implant Steering Committee	2002-present
Educational Steering Committee (Dept. of Neurosurgery)	2002-present

### **RESEARCH ACTIVITIES**

1970-1972	Metabolism of ATP human spermatozoa Na-KATP-ase in human spermatozoa $Ca^{++}$ = ATP-ase and abnormal sperms. Histochemical studies.
1983-Present	Immunological aspects of primary brain tumors.
8/00 to present	Research Study : “Comparison of Experience and Clinical Outcomes following Treatment of Degenerative Disc Disease using Synthes Spine Co., Small Stature CSLP” PI- Hikmat El Kadi, M. D., Ph.D., Adnan A. Abla, M.D., Neuroscience Research Foundation Sponsor
8/00 to present	Research Study: “ Osteofil Study”, PI- Adnan A. Abla, M.D., Neuroscience Research Foundation Sponsor
8/02 to present	Research Study: “Comparison of Experience and Clinical Outcomes using Allograft Bone Wedge for Cervical Fusion with and without Anterior Plating”, PI-Adnan A. Abla, M.D., Neuroscience Research Foundation Sponsor
7/02 to present	Research Study: “A Study to Evaluate Clinical Outcomes using VG2 Allograft for Cervical Fusion with the PEAK Anterior Cervical Plate System”. PI: Adnan A. Abla, M.D., Sub-PI: Hikmat El-Kadi, M.D.

## **RESEARCH ACTIVITIES (continued)**

- 2/03 to present      Research Study: “Randomized, Third-Party Blinded, Multicenter Clinical Trial to Determine The Safety and Effectiveness of Oxiplex ®/SP Gel for the Reduction of Pain and Symptoms Following Lumbar Disc Surgery (Protocol FZ-SP002)”. PI: Joseph C. Maroon, M.D., Sub-PI: Adnan A. Ablu, M.D., Hikmat El-Kadi MD  
Neuroscience Research Foundation Sponsor
- 1/04 to present      Research Study: “A Study to Evaluate Clinical Outcomes using VG2 Allograft for Cervical Fusion with the SlimLoc Anterior Cervical Plate System. PI: Adnan A. Ablu M.D., Sub-PI: Hikmat El-Kadi MD.

## **BOOK CHAPTERS**

1.      **Ablu AA**, Maroon JC: “Classification of Acute Cord Injury, Neurological Evaluation and Neurological Considerations.” Critical Care Medicine Clinics - Acute Spinal Cord Injuries, M.S. Abin (ed.) 3:655-677, 1987.
2.      Maroon JC, **Ablu AA**: “General Operative Technique,” Textbook of Neurological Surgery, J Youmans (ed.) 3rd Edition, p. 922-940, 1990.
3.      Maroon JC, **Ablu AA**: “Tumors of the Orbit.” Julian Hoff (ed.), In Practice of Surgery LTD, CT” 12:1-19, 1988.
4.      Maroon JC, **Ablu AA**: “Orbital Tumors.” Current Therapy in Neurosurgery, D Long (ed.), p. 29-37, 1989.
5.      Maroon JC, **Ablu AA**: “Central Cervical Cord Syndrome.” Clin Neurosurgery, 37:612-621, 1990.
6.      Maroon JC, **Ablu AA**: “Transfrontal Removal of Orbital Tumors.” Current Neurosurgical Practice Vol IV: Techniques in Neurosurgery. C.B. Wilson (ed.) p. 1-9, 1992.
7.      Maroon JC, **Ablu AA**: “Choice of Surgical Approach to Lesions of the Orbit,” Operative Neurosurgical Techniques 3rd Edition. Schmidek and Sweet (Eds.). W.B. Saunders Co., 1995. p. 195-205.
8.      Maroon JC, **Ablu AA**: Kennerdall JC: “Management of Tumors of the Orbit.” The Practice of Neurosurgery. Tindall, Cooper and Barrow (Eds.) Williams and Wilkins, p. 1243-1257, 1996

### **BOOK CHAPTERS (continued)**

9. Maroon JC, **Abla AA**: "Tumors of the Orbit." Neurological Surgery 4th Edition. Julian R. Youmans (Ed.). W.B. Saunders, p. 2882-2893, 1996.
10. **Abla AA**, Celin S, Maroon JC, Medary M: "Cervical Spondylotic Myelopathy". Neurological Issues in Otolaryngology: Principles and Practice of Collaborative Surgery. Eds Arriaga, Day, pp. 223-230, Lippincott, Williams & Wilkins, 1999.
11. **Abla AA**, Oh, M: "Clinical Features of Subdural Hematoma: Chronic Spinal Subdural Hematoma." Neurosurgery Clinics of America, Vol II (3), 2000.

### **PUBLICATIONS**

1. Durr, I. **Abla AA**, Mroueh A: ATP-ase of human spermatozoa. J Reprod Fertil 31:313, 1972.
2. **Abla AA**, Mroueh A: Durr I: Divalentcation-dependent ATP-ase in human spermatozoa. J Reprod Fertil 37:121, 1974.
3. **Abla AA**, Mroueh A, Durr I: The hydrolysis of ATP by human spermatozoa. Int J Biochem 5:787, 1974.
4. **Abla AA**, Mroueh A, Durr I, Shaffi: Active transport system in human spermatozoa. Intern J Fertil 20:95, 1975.
5. Haddad F, **Abla AA**, Allan C: Ependymal brain cyst. Surgical Neurology 18:246-249, 1982.
6. Hanash KA, Bissada NK, **Abla AA**, Esmail D, Dowling A: Predictive value of excretory urography, ultrasonography, computerized tomography, and liver and bone scan in the staging of bilharzia bladder cancer in Saudi Arabia. Cancer 54:172-176, 1984.
7. Maroon JC, **Abla AA**: Microdissectomy versus chemonucleolysis. Neurosurgery 16(5):644-649, 1985.
8. **Abla AA**, Maroon JC, Kennerdell JS, Deeb ZL: Fibrosis surrounding a silicone implant stimulating recurrent orbital meningioma. J Neurosurgery 63:467-469, 1985.
9. Malik M, Haddad F, Slim J, Saba J, Nassar S, **Abla AA**, Monsour: Spinal cord compression in neuroblastoma. Surgical Neurology 23:567-572, 1985.
10. Wilberger JE, **Abla AA**, Kennerdell JS, Maroon JC: Mucocele of the pterygoid recess treated by laser surgery. J Neurosurg 63:970-973, 1985.

**PUBLICATIONS (continued)**

11. **Abla AA**, Maroon JC, Wilberger JE, Kennerdell JS, Deeb ZL: Intrasellar mucocele simulating pituitary adenoma: Case report. Neurosurgery 18(2):197-199, 1986.
12. **Abla AA**, Rothfus W, Maroon JC, Deeb Z: Delayed spinal subarachnoid hematoma: A rare complication of C1-C2 cervical myelography. Am J Neuro 7:526-528, May/June, 1986.
13. Kennerdell JS, Maroon JC, Garrity JA, **Abla AA**: Surgical management of orbital lymphangioma with the carbon dioxide laser. Am J Ophthal 102:304-308, September 1986.
14. **Abla AA**, Maroon JC, Slifkin: Brain abscess due to haemophilus aphrophilus: Possible canine transmission. Neurosurgery 19:123, 1986.
15. Haddad F, **Abla AA**, Allan C: Extradural spinal angioliopoma. Surg Neurol 26:473, 1986.
16. Wilberger JE, **Abla AA**, Maroon JC: Burning hands syndrome revisited. Neurosurgery 19:1038, 1986.
17. Maroon JC, **Abla AA**: Microlumbar discectomy. Clin Neurosurg 33:407-417, 1986.
18. Wilberger JE, **Abla AA**, Rothfus W: Lipoma of the septum pellucidum. Case report. J Comput Tomogr 11(1):79-82, 1987.
19. Maroon JC, **Abla AA**: Diagnosis and treatment of orbital tumors. Clin Neurosurg 24:485-598, 1987.
20. Rothfus WE, Chedid MK, Deeb ZL, **Abla AA**, Maroon JC, Sherman RL: MR Imaging in the diagnosis of spontaneous spinal epidural hematomas. J Comput Assist Tomogr 11:851-854, 1987.
21. Chedid M, Deeb Z, Rothfus W, **Abla AA**, Sherman R, Maroon JC: Major cerebral vessels injury induced by a seat belt. J Trauma 29:1601-1603, 1989.
22. Maroon JC, Kopitnik TA, Schulhof LA, **Abla AA**, Wilberger JE: Diagnosis and microsurgical approach to far-lateral disc herniation in the lumbar spine. J Neurosurg 72:378:382, 1990.
23. Kessler L, **Abla AA**: Syndrome of the cervical plexus due to high cervical nerve root compression. Neurosurgery 28:506-590, 1991.
24. Maroon JC, Douglas RA, Wilberger JE, **Abla AA**: Microlumbar discectomy. Neurosci J: p. 9-13, 1993.

**PUBLICATIONS (continued)**

25. Maroon JC, Kennerdell JS, Vidovich D, **Abla AA**, Sternau L: Recurrent spheno-orbital meningioma. J Neurosurg 80:202-208, 1994.
26. **Abla AA**, Upper Cervical Spine Trauma, Surg. Neurol 47:432-434, 1997.
27. Maroon JC, **Abla AA**, Bost J: Association between peridural scar and low back pain after lumbar discectomy. Neurological Research 21:S43-S46, 1999.
28. Bost J, Maroon JC, **Abla AA**: Adcon-L for inhibiting postoperative fibrosis. Surgical Physician Assistant: p. 13-16, May 1999.
29. **Abla AA**, Elrifai AM, Deeb Z, Maroon J: Reversible Paraplegia in Traumatic Hyperextension Fracture of the Thoracic Spine and Diffuse Idiopathic Skeletal Hyperostosis. Quo Vadis , pp. 17—18, July, 1999.
30. **Abla AA**, Oh M: Spinal chronic subdural hematoma. Neurosurgery Clinics of North America, (11) 3:465-471, 2000.
31. Koebbe CJ, Maroon JC, **Abla AA**, El-Kadi H, Bost J: Lumbar microdiscectomy: a historical perspective and current technical considerations. Neurosurg Focus 13 (2): Article 3, pp. 1-6, August 2002.
32. Hadjipanayis CG, **Abla AA**, El-Kadi H, Maroon JC: Pedicle screw fixation of the lumbar spine involving the sacrum. Contemp Neurosurg, 25 (7), April 15, 2003.
33. **Abla AA**, El-Kadi H, Maroon JC et al: Post-Laminectomy Spondylolisthesis: Surgical Techniques. Contemp Neurosurg, 26 (24), December 1, 2004.
34. **Abla AA**, El-Kadi H, Bost J, Maroon JC, Wert M: Allograft Composite cortical and Cancellous Bone Graft for Anterior Cervical Fusion. Contemp Neurosurg. 27 (8), April 30, 2005.
35. **Abla AA**, El-Kadi H, Bost J, Maroon JC, Wert M: Recurrent Lumbar Disc Herniation: Microsurgical Approach.: Contemp Neurosurg, 27 (15), July 31, 2005.
36. **Abla AA**, El-Kadi H, Bost J, Maroon, JC, Wert M: Recurrent Lumbar Disc Herniation: Microsurgical Approach. Contemp Spine Surgery, 6 (10), October, 2005.
37. **AblaAA**, El-Kadi H, Bost J, Maroon JC, Wert M: Degenerative Changes Above and Below Lumbar Fusion. Contemp Neurosurg, 27 (24), December 1, 2005.

**PUBLICATIONS (continued)**

38. El-Kadi H, **Abla AA**, Bost J, Maroon, J: Complications and Avoidance Techniques in Long-segment Anterior Cervical Fusion: Part I. Contemp Neurosurg, 28 (2), January 30, 2006.
39. **Abla AA**, El-Kadi H, Bost J, Maroon JC, Wert M: Degenerative Changes Above and Below Lumbar Fusion. Contemp Spine Surgery, 7 (2), February, 2006.
40. El-Kadi H, **Abla AA**, Bost J, Maroon J: Complication and Avoidance Techniques in Long-Segment Anterior Cervical Fusion: Part I. Contemp Spine Surgery, 7 (12), December, 2006.
41. El-Kadi H, **Abla AA**, Bost J, Maroon J: Complication and Avoidance Techniques in Long-segment Anterior Cervical Fusion: Part II. Contemp Neurosurg, 28 (3), February 15, 2006.
42. Maroon JC, Gardner P, **Abla, AA**, El-Kadi H, Bost J: "Golfer's stroke": golf-induced stroke from vertebral artery dissection. Reprinted from Surg Neurol, Vol. 67 (2), February 2007.
43. Maroon JC, El-Kadi H, **Abla AA**, Wecht DA, Bost J, Norwig J, Bream T: Cervical Neurapraxia in Elite Athletes: Evaluation and Surgical Treatment. Reprinted from J Neurosurg: Spine 6, 4:356-363.

**ABSTRACTS AND POSTERS**

1. Hanash KA, **Abla AA**, Bissada NK: Bladder cancer in Saudi Arabia.
2. Bissada NK, Hanash KA, **Abla AA**: Pheochromocytoma: A spectrum.
3. Hanash KA, Bissada NK, **Abla AA**, Esmail D, Dowling A: Predictive value of excretory urography, ultrasonography, computerized tomography, and liver and bone scan in the staging of biharzial bladder cancer in Saudi Arabia. Presented at the 77th Annual Meeting of the American Urological Association, Kansas City, May 16-20, 1982.
4. Beckman, Lupetin, Sefczek, Deeb, Rothfus, Maroon, Baghai, Wilberger, Kessler, Protsko, Sherman and **Abla**: With CT intraoperative neurosonography: Correlative imaging with CT and MRI. Presented at the 30th Annual Convention of the American Institute of Ultrasound in Medicine, Washington, DC, April 13-17, 1986.
5. Medary M, **Abla AA**, Taubar M, and Maroon JC: Treatment of Cervical Spondylitic Myelopathy with Anterior Decompression and Fusion. 1997 Annual Meeting, J.A. Association of Neurological Surgeons, Denver, Colorado.

**ABSTRACTS AND POSTERS (continued)**

6. Warren LW, Bost J, **Abla AA**: Sublaminar Hook Fixation in Spine Trauma. AANS/CNS Section on Disorders of the Spine & Peripheral Nerves Annual Meeting, page 101, Orlando, Florida, February 10-13, 1999.
7. Tantuwaya L, Bost J (PAC), **Abla AA**: Pedicle Screw Fixation and Allograft Arthrodesis in the Young and Elderly Populations. AANS/CNS Section on Disorders of the Spine & Peripheral Nerves Annual Meeting, page 115, Orlando, Florida, February 10-13, 1999.
8. Flannagan P, **Abla AA**, Kandabarow A, Douglas R, Richman J: The Use of Electromyography in the Safe Placement of 1000 Pedicle Screws. American Association of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 24-29, 1999.
9. Hartl R, Bost J, **Abla AA**, Maroon J: Morphine Nerve Paste After Lumbar Laminectomy And Fusion. Congress of Neurological Surgeons Annual Meeting, Boston, Massachusetts, October, 1999.
10. Warren LW, **Abla AA**, Pollice P: Value of Continuous Recurrent Laryngeal Nerve Monitoring During Anterior Cervical Spine Surgery. Congress of Neurological Surgeons Annual Meeting, Boston, Massachusetts, October, 1999.
11. Oh M, Lobaugh P, Bost J, Frantzen S, **Abla AA**: Clinical and Electrophysiologic Correlation in Cervical Spondylotic Myelopathy Treated with Surgery. The American Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April, 2000.
12. Burke JP, **Abla AA**, El-Kadi H, Bost J, Abla Ab, Abla Ad. Update to Pedicle Screw Fixation and Allograft Arthrodesis in the Young and Elderly Populations. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Meeting, Challenges in the Spine Specialty Program Book, Phoenix, AZ, February, 2001.
13. Burke JP, **Abla AA**, El-Kadi H, Bost J, Abla Ab, Abla Ad. Update on Sublaminar Hook Fixation in Cervical Spinal Trauma. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Meeting, Challenges in the Spine Specialty Program Book, Phoenix, AZ, February, 2001.
14. Burke JP, **Abla AA**, Maroon JC, Field M, Bost J, Abla Ab, Abla Ad: Long-term Outcome of Lumbar Pedicle Screws. 2001 Annual Meeting of the American Association of Neurological Surgeons, Toronto, Ontario, April, 2001.
15. Burke JP, **Abla AA**, Maroon JC, Field M, Bost J, Abla Ab, Abla Ad: Outcome Comparison of Synthes Cervical Spine Locking Plate Systems. 2001 Annual Meeting of the American Association of Neurological Surgeons, Toronto, Ontario, April 2001.

**ABSTRACTS AND POSTERS (continued)**

16. Field M, **Abla AA**, Maroon JC, Bost J, Burke JP, Abla Ab, Abla Ad: Radiographic and Clinical Outcomes Using Pyramesh and Z-Plate Instrumented Fusion Constructs for Patients with Thoracolumbar Instability. 2001 Annual Meeting of the American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
17. Field M, **Abla AA**, Maroon JC, Burke JP, Bost J, Abla Ab, Abla Ad: Posterior Occipitocervical Fusion in Adults. A long-term follow-up study. 2001 Annual Meeting of the American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
18. Burke JP, **Abla AA**, et al: Long-Segment Plating of the Anterior Cervical Spine: Radiographic and Clinical Outcome. Annual Meeting of the Association of Neurological Surgeons, Chicago, IL, April 6-11, 2002.
19. Burke JP, **Abla AA**, et al: Advances in Postoperative Management of Lumbosacral Pedicle Screw Fusion Patients. Annual Meeting of the Association of Neurological Surgeons, Chicago, IL, April 6-11, 2002.
20. Burke JP, **Abla AA**, et al: Salvage Pedicle Screws for Post-Laminectomy Spondylolisthesis and Failed Spinal Fusion. Annual Meeting of the Association of Neurological Surgeons, Chicago, IL, April 6-11, 2002.
21. El-Kadi M, Bost J, Marcello L, Relic R, Maroon JC, **Abla AA**, et al: Revisiting Fixed-Angle Rigid Anterior Cervical Plate System. Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, PA, September 21-26, 2002.
22. El-Kadi M, Maroon JC, **Abla AA**, Bost J et al: Prospective Evaluation of VG2 Interbody Fusion for Patients with Discogenic Back Pain. Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, PA, September 21-26, 2002.
23. **Abla AA**, Bost J, El-Kadi M, Maroon JC et al: Evaluation of Lumbar Fusion Extension Surgery. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
25. **Abla AA**, Bost J, El-Kadi M, Maroon JC et al: Evaluation of Post-Lumbar Laminectomy Spondylolisthesis. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
26. **Abla AA**, Bost J, El-Kadi M, Maroon JC et al: Outcome of Lumbar Spinal Fusion on the Elderly (75 years and older). . Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.

**ABSTRACTS AND POSTERS (continued)**

27. El-Kadi M, **Abla AA**, Bost J, Maroon JC et al: Outcome of Long Segment Cervical Fusion with a Rigid Fixed-Angle Screw Plating System. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
28. El-Kadi M, **Abla AA**, Bost J, Maroon JC et al. Pedicle Screw Fixation for Mechanical Low Back Pain. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
29. **Abla AA**, El-Kadi M, Bost J, et al: Operative Techniques to Reduce Instrumentation Failure with Pedicle Screw Fusion. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
30. **Abla AA**, El-Kadi M, Bost J, et al: Surgical Techniques Minimizing Blood Loss in Posterior Pedicle Screw Lumbar Spine Fixation. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
31. **Abla AA**, El-Kadi M, Bost J, et al: Evaluation of ENT-Assisted Anterior Cervical Approach for Spinal Fusion. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
32. **Abla AA**, El-Kadi M, Bost J, et al: Prospective Evaluation of Composite Cortical and Cancellous Bone Graft for Anterior Cervical Fusion. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
33. El-Kadi M, **Abla AA**, Bost J, et al: Prognostic Factors in Elderly Patients with Long Segment Anterior Cervical Fusion. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
34. **Abla AA**, El-Kadi M, Bost J, et al: Evaluation of Pedicle Screw Fixation for Mechanical Post-Laminectomy Pain Syndrome. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
35. El-Kadi M, **Abla AA**, Bost J, et al: Complications in Long Segment Anterior Cervical Fusion, Experience in 100 Patients. Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, April 16-21, 2005.
36. **Abla AA**, El-Kadi M, Bost J, Maroon J, Wert M: Surgical Technique and Outcome for Post-lumbar Laminectomy Spondylolisthesis Fusion. Annual Meeting of the American Association of Neurological Surgeons, San Francisco, CA, April 22-27, 2006.
37. **Abla AA**, El-Kadi M, Bost J, Maroon J, Wert M: Recurrent Lumbar Disc Herniation: Microsurgical Approach and Outcome. Annual Meeting of the American Association of Neurological Surgeons, San Francisco, CA, April 22-27, 2006.

**ABSTRACTS AND POSTERS (continued)**

38. El-Kadi M, **Abla AA**, Bost J, Maroon J, Wecht D, et al: Evaluation of Obesity and other Co-morbid Conditions on Spine Surgery Outcomes. Annual Meeting of the American Association of Neurological Surgeons, San Francisco, CA, April 22-26, 200.
39. **Abla AA**, El-Kadi M, Bost J, Maroon J, Wert, M: Spinal Epidural Morphine Delivery Using Absorbable Gelatin Powder. Annual Meeting of the Congress of Neurological Surgeons, Chicago, IL, October 8-12, 2006.
40. El-Kadi M, Bost J, **Abla A**, Maroon J, Salandro J: New Technology for Surgical Digital Recording and Power Video Presentation. Annual Meeting of the Congress of Neurological Surgeons, Chicago, IL, October 8-12, 2006.

**PRESENTATIONS**

1. Warren W L, **Abla AA**, Pollice PA: Value of Continuous Recurrent Laryngeal Nerve Monitoring During Anterior Cervical Spine Surgery. CNS Annual Meeting, Boston, MA, 11/1-3, 1999.
2. Hartl R, Bost J, **Abla AA**, Maroon JC: Morphine Nerve Paste After Lumbar Laminectomy and Fusion. CNS Annual Meeting, Boston, MA, 11/1-3, 1999.
3. Burke JP, **Abla AA**: Pyramesh and Z-plate Instrumented Fusion Constructs in the Thoracolumbar Spine: Radiographic and Clinical Outcome. CNS Annual Meeting, San Diego, CA, 9/29—10/4/01.
4. Bejjani GK, **Abla AA**, Maddock M, Ferencz A: Frameless Stereotaxis for Shunt Placement in Adults with Small Ventricles. CNS Annual Meeting, San Diego, CA, 9/29—10/4/01.
5. **Abla AA**: Incidence of Pedicle Screw Failure in the Lumbar Spine, ARGOS Inaugural Meeting, Nemaquin Woodlands, PA, 8/2—8/4/02.
6. El-Kadi M, Bost J, Marcello L, Relic R, Maroon JC, **Abla AA** et al: Revisiting Fixed-Angle Rigid Anterior Cervical Plate System. Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, PA, September 21-26, 2002.
7. El-Kadi M, Maroon JC, **Abla AA**, Bost J et al: Prospective Evaluation of VG2 Interbody Fusion for Patients with Discogenic Back Pain. Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, PA, September 21-26, 2002.
8. **Abla AA**: Pedicle Screw Fixation for Mechanical Low Back Pain, ARGOS North America Conference, Nemaquin Woodlands, PA, August 1-2, 2003.
- 9.

### **PRESENTATIONS ( continued)**

10. **Abla AA**: Minimizing Blood Loss in Posterior Pedicle Screw Lumbar Spine Fixation: The Role of Disc Replacement in the Degenerative Lumbar Spine”, ARGOS North America Conference, Nemacon Woodlands, PA, August 1-2, 2003.
10. **Abla AA**, Bost J, El-Kadi M, Maroon JC et al: Evaluation of Lumbar Fusion Extension Surgery. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
11. **Abla AA**, Bost J, El-Kadi M, Maroon JC et al: Evaluation of Post-Lumbar Laminectomy Spondylolisthesis. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
12. **Abla AA**, Bost J, El-Kadi M, Maroon JC et al: Outcome of Lumbar Spinal Fusion on the Elderly (75 years and older). . Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
13. El-Kadi M, **Abla AA**, Bost J, Maroon JC et al: Outcome of Long Segment Cervical Fusion with a Rigid Fixed-Angle Screw Plating System. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004
14. El-Kadi M, **Abla AA**, Bost J, Maroon JC et al: Pedicle Screw Fixation for Mechanical Low Back Pain. Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL, May 3, 2004.
15. **Abla AA**: Pedicle Screw Fusion: Indications and Surgical Techniques. World Association of Lebanese Neurosurgeons Annual Meeting, Beirut, Lebanon, June 29, 2004.
16. **Abla AA**, El-Kadi M, Bost J, Maroon JC: Three Year Experience with Claris Pedicle Screw System. ARGOS North America Conference, Nemacon Woodlands, PA, August 7, 2004.

### **INTERNATIONAL PRESENTATIONS:**

**Abla AA**: Pedicle Screw Fusion: Indications and Surgical Techniques. World Association of Lebanese Neurosurgeons Annual Meeting, Beirut, Lebanon, June 29, 2004.

### **SCIENTIFIC MEETINGS**

1. Congress of Neurological Surgeons, New York, NY, 1984.

**SCIENTIFIC MEETINGS (continued)**

2. American Association of Neurological Surgeons, Atlanta, GA, 1985.
3. Congress of Neurological Surgeons, New Orleans, LA, 1986.
4. Congress of Neurological Surgeons, Baltimore, MD, 1987.
5. American Roentgen Ray Society. Certificate of Appreciation of Scientific Exhibit Inoperative Cranial Neuro Sonography Correlative Imaging with CT and MRI.
6. Advanced Orbital Surgery. Allegheny University Hospitals, Allegheny General, Pittsburgh, PA 1987.
7. Midas Rex Institute. Seven Springs, PA 1987.
8. Stereotactic Neurosurgery in Practice. San Diego, CA, 1988.
9. American Medical Association. Physician Recognition Award, 1990.
10. American Association of Neurological Surgeons. Nashville, TN, 1990.
11. Specialized Spinal Instrumentation Applications; Degenerative Lumbar Instability. Chicago, IL, November 13-14, 1992.
12. Isola Spinal Implant System: Principles and Practice Seminar. Kansas City, MO December 4-5, 1992.
13. AO-ASIF Spinal Instrumentation. San Diego, CA, March 28-April 2, 1993.
14. Spinal Instrumentation. Milwaukee, WI, June 20-26, 1993.
15. Skull Base Surgery. Los Angeles, CA, October 14-16, 1993.
16. American Medical Association, Physician Recognition Award, 1993.
17. Continuing Education Award in Neurosurgery, 1998.
18. ADCON Study 1996-1997.
19. American Association of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April, 1999.
20. Congress of Neurological Surgeons Annual Meeting, Boston, Massachusetts, October, 1999.

**SCIENTIFIC MEETINGS (continued)**

21. American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario, Canada, April, 2001.
22. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6—11, 2002.
23. ARGOS North America Inaugural Meeting, Nemaocolin Woodlands, PA, August 2—4, 2002.
24. Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA, September 21-26, 2002.
25. ARGOS Annual Meeting, Nemaocolin Woodlands, PA, August 1-2, 2003.
26. ARGOS Annual Meeting, Nemaocolin Woodlands, PA, August 6-7, 2004.
27. Congress of Neurological Surgeons Annual Meeting, October 16-21, 2004, San Francisco, California.
28. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA April 16-22, 2005.
29. Congress of Neurological Surgeons Annual Meeting, October 7-12, 2006, Chicago, Illinois

**SPONSORED COURSES**

1. Course Director, Spine Instrumentation, AUH-Allegheny General Hospital, June 13-14, 1998.

**INVITED LECTURES/INSERVICE PRESENTATIONS**

Abla AA, “Neuro Assessment”. UPMC Presbyterian Hospital—5GNeuro Nurses, September 16, 2002, Pittsburgh, PA

Abla AA, “Neuro Assessment”. UPMC Presbyterian Hospital—5GNeuro Nurses, November 4, 2002, Pittsburgh, PA

