



ACADEMIC ACTIVITY  
Academic Years 2003-2007



**The Georgia Neurosurgical Institute**  
**The Medical Center of Central Georgia**

## SCIENTIFIC PUBLICATIONS

1. **Disassociation between Intracranial and Systemic Temperature as an Early Sign of Brain Death.** KN Fountas, EZ Kapsalaki, CH Feltes, HF Smisson 3rd, KW Johnston, A Grigorian, JS Robinson Jr. Journal of Neurosurgical Anesthesiology, April 2003;15(2):87-89.
2. **Intraoperative Factors Associated with Surgical Outcome in Patients with Unruptured Cerebral Aneurysms: The Experience of a Single Surgeon.** AA Grigorian, A Marcovici, E Flamm. Journal of Neurosurgery, September 2003; Vol. 99.
3. **Correlation of Recurrent Laryngeal Nerve (RLN) Intraoperative Electromyographic Monitoring (IEMG) Findings with Postoperative Findings in Patients Undergoing Anterior Cervical Discectomy (ACD&F).** VG Dimopoulos, CH Feltes, KN Fountas, M Kassam, R Davydov, R Vogel, KW Johnston, HF Smisson, AA Grigorian, JS Robinson. Proceedings of the 12th European Congress of Neurosurgery. Monduzzi Editore, September 2003; 899-903.
4. **The Role of Proton Single Voxel Magnetic Resonance Spectroscopy in the Pre-Operative Evaluation of Intra-Cranial Tumors.12-year experience.** KN Fountas, E Kapsalaki, JS Robinson, P Toulas, I Fezoulidis, SD Gotsis. Proceedings of the 12th European Congress of Neurosurgery. Monduzzi Editore, October 2003; 569-580.
5. **Comparison of a New Non-Invasive Ultrasonic Technology and Standard Invasive Intra-Cranial Pressure Monitoring in the Evaluation of Cerebrovascular Auto-Regulation in Patients with Severe Closed Head Injury.** KN Fountas, VG Dimopoulos, CH Feltes, MA Kassam, R Davydov, AA Grigorian, KW Johnston, HF Smisson, EC Troup, JS Robinson, A Ragauskas. Proceedings of the 12th European Congress of Neurosurgery. Monduzzi Editore, October 2003; 465-476.
6. **Comparative Use of Vasopressors During Lumbar Microdiscectomy on Andrews Table vs Wilson Frame.** Dimopoulos V, Feltes C, Davydov R, Fountas KN, Vogel R, Grigorian A, Robinson J. Hellenic Neurosurgery, 2003; 10(3): 142-147.
7. **Spinal Surgery Outcome in Elderly Patients.** VG Dimopoulos, CH Feltes, MA Kassam, R Davydov, KN Fountas, AA Grigorian, JS Robinson, A Ragauskas. Proceedings of the 12th European

Congress of Neurosurgery. Monduzzi Editore, October 2003; 807-812.

8. **Cervical Meningocele in Association with Spinal Abnormalities.** CH Feltes, KN Fountas, VG Dimopoulos, AI Escurra, A Boev, EZ Kapsalaki, JS Robinson Jr, EC Troup. *Child's Nervous System*, November 1-10, 2003; 20(5): 357-361.
9. **Epilepsy in Cortical Dysplasia: Factors Affecting Surgical Outcome.** KN Fountas, DW King, KJ Meador, GP Lee, JR Smith. *Stereotactic and Functional Neurosurgery*, 2004; 82(1): 26-30.
10. **Epilepsy in Cortical Dysplasia: Factors Affecting Surgical Outcome.** KN Fountas, DW King, KJ Meador, GP Lee, JR Smith. *Official Journal of Romanian Neurosurgery*, 2004.
11. **Intracranial Temperature: Is it Different Throughout the Brain?** KN Fountas, EZ Kapsalaki, CH Feltes, HF Smisson, KW Johnston, JS Robinson. *Neuro-Critical Care*, 2004; 1(2): 195-199.
12. **Non-Invasive Histologic Grading of Solid Astrocytomas Using Proton Magnetic Resonance Spectroscopy.** KN Fountas, EZ Kapsalaki, RL Vogel, I Fezoulidis, JS Robinson, ED Gotsis. *Stereotactic and Functional Neurosurgery*, 2004; 82(2-3): 90-7.
13. **Sciatica: A Historic Perspective on Early Views of a Distinct Medical Syndrome.** I Karampelas, AN Boev III, KN Fountas, JS Robinson Jr. *Neurosurgical Focus*, January 15, 2004; 16(1): E6.
14. **Temporal Lobotomy in the Surgical Management of Epilepsy: Technical Report.** JR Smith, A Vandergriff, KN Fountas, MR Lee. *Neurosurgery*, June 2004; 54(6): 1531-36.
15. **Proton Magnetic Resonance Spectroscopic Imaging can Predict Length of Survival in Patients with Supratentorial Gliomas.** KN Fountas, I Karampelas. *Neurosurgery*, July 2004; 55(1): 257-8.
16. **Does Intraoperative EMG Monitoring in Lumbar Microdiscectomy Correlate with Postoperative Pain?** VG Dimopoulos, CH Feltes, KN Fountas, IZ Kapsalakis, RL Vogel, B Fuhrmann, AA Grigorian, KW Johnston, HF Smisson 3rd, JS Robinson. *Southern Medical Journal*,

August 2004; 97(8): 724-8.

17. **Epidural Intracranial Abscess as a Complication of Frontal Sinusitis: Case Report and Review of the Literature.** KN Fountas, Y Duwayri, EZ Kapsalaki, VG Dimopoulos, KW Johnston, SB Peppard, JS Robinson. Southern Medical Journal, 2004; 97(3): 279-282.
18. **Non-Habitual Seizures in Patients with Implanted Subdural Electrodes.** KN Fountas, DW King, PD Jenkins, JR Smith. Stereotactic and Functional Neurosurgery, 2004; 82(4):165-168.
19. **Correlation of the Amount of Disc Removed in a Lumbar Microdiscectomy with Long-Term Outcome.** KN Fountas, EZ Kapsalaki, CH Feltes, HF Smisson 3rd, KW Johnston, RL Vogel, JS Robinson Jr. Spine, November 2004; 29(22): 2521-2524, discussion 2525-2526.
20. **C1-C2 Transarticular Screw Fixation for Atlanto-Axial Instability.** KN Fountas, EZ Kapsalaki, I Karampelas, VG Dimopoulos, CH Feltes, MA Kassam, AN Boev, KW Johnston, HF Smisson, EC Troup, JS Robinson Jr. Southern Medical Journal, November 2004; 97(11):1042-1048.
21. **MR-Based Stereotactic Mesencephalic Tractotomy.** KN Fountas, FJ Lane, PD Jenkins, JR Smith. Stereotactic and Functional Neurosurgery, 2004; 82(5-6): 230-234.
22. **Emergency Room Neurosurgery: Modern Time Errors.** I Karampelas, KN Fountas. Southern Medical Journal, November 2004; 97(11):1066-1067.
23. **Primary Spinal Cord Oligodendroglioma. Case Report and Review of the Literature.** KN Fountas, I Karampelas, LG Nikolakakos, EC Troup, JS Robinson. Child's Nervous System, February 2005; 21(2): 171-175.
24. **Cervical Meningocele in Association with Spinal Abnormalities.** KN Fountas Child's Nervous System, 2005; 21: 6.
25. **Is Non-Invasive Monitoring of Intracranial Pressure Waveform Analysis Possible? Preliminary Results of a Comparative Study of Non-Invasive vs. Invasive Intracranial Slow-Wave Waveform Analysis Monitoring in Patients with Traumatic Brain Injury.** KN Fountas, A Sitkauskas, CH Feltes, EZ Kapsalaki, VG Dimopoulos, MA Kassam, AA Grigorian, JS

Robinson, A Raguaskas. *Med Sci Monit*, February 2005; 11(2): CR58-63.

26. **Results of Long-Term Follow-Up Patients Undergoing Anterior Screw Fixation for Type II and Rostral Type III Odontoid Fractures.** KN Fountas, EZ Kapsalaki, I Karampelas, CH Feltes, VG Dimopoulos, TG Machinis, LG Nikolakakos, AN Boev 3rd, H Choudhri, HF Smisson, JS Robinson. *Spine*, March 15, 2005; 30(6): 661-669.
27. **Intraoperative Monitoring.** KN Fountas, VG Dimopoulos, I Chung. *Journal of Neurosurgery Spine*, March 2005; 2(3): 399-401.
28. **Adult Paravertebral Pleomorphic Rhabdomyosarcoma Infiltrating Diffusely the Whole Spinal Axis. Case report.** KN Fountas, RS Donner, LG Nikolakakos, CH Feltes, I Karampelas, JS Robinson Jr. *Journal of Neurosurgery Spine*, March 2005; 2(3): 344-348.
29. **Multimodality Intraoperative Monitoring During Complex Lumbrosacral Procedures: Indications, Techniques, and Long Term Follow-Up Review of 61 Consecutive Cases.** KN Fountas, VG Dimopoulos, I Chung. *Letter to Editor Journal of Neurosurgery Spine*, March 2005; 2(3): 399-400, author reply 400-401.
30. **Immediate and Early Post-Operative Pain Relief after Kyphoplasty without Significant Restoration of Vertebral Body Height in Acute Osteoporotic Vertebral Body Fractures.** C Feltes, KN Fountas, T Machinis, LG Nikolakakos, V Dimopoulos, R Davydov, MA Kassam, KW Johnston, JS Robinson. *Neurosurgical Focus*, March 15, 2005; 18(3): e5.
31. **Cerebro-Spinal Fluid Fistula Secondary to Dural Tear in Anterior Cervical Discectomy and Fusion. Case report.** KN Fountas, EZ Kapsalaki, KW Johnston. *Spine*, May 15, 2005; 30(10): E277-80.
32. **The Effect of Advanced Age in Subjective Surgical Outcome of Patients Undergoing Spine Surgery.** V Dimopoulos, KN Fountas, MA Kassam, C Feltes, R Vogel, JS Robinson, A Grigorian. *Southern Medical Journal*, May 2005; 98(5): 579-580.
33. **Volumetric Assessment of Glioma Removal by Intraoperative High-Field Magnetic Resonance Imaging.** KN Fountas, EZ Kapsalaki. *Neurosurgery*, May 2005; 56(5): E1166.

34. **Anterior Cervical Fusion Using Dense Cancellous Allografts and Dynamic Plating.** KN Fountas. *Neurosurgery*, May 2005; 56(5): E1166.
35. **Ephaptic Transmission as an Explanatory Mechanism of Radicular Pain.** T Machinis, KN Fountas. Letter to Editor *Southern Medical Journal*, June 2005; 98(6): 673.
36. **Hemispherotomy: Description of Surgical Technique. A technical note.** JR Smith, KN Fountas, MR Lee. *Child's Nervous System*, June 2005; 21(6): 466-472.
37. **History of Acoustic Neurinoma Surgery.** TG Machinis, KN Fountas, V Dimopoulos, JS Robinson. *Neurosurgical Focus*, 2005; 18(4): e9.
38. **Cerebrospinal Fluid Fistula Secondary to Dural Tear in Anterior Cervical Discectomy and Fusion: Case Report.** KN Fountas, EZ Kapsalaki, KW Johnston. *Spine*, 2005; 30(10): E277–E280.
39. **Post-operative Cauda Equina Syndrome in Patients Undergoing Single-level Lumbar Microdiscectomy. Report of two cases.** V Dimopoulos, KN Fountas, TG Machinis, C Feltes, I Chung, K Johnston, JS Robinson, AA Grigorian. *Neurosurgical Focus*, August 15, 2005; 19(2): E11.
40. **Intraventricular Administration of rt-PA in Patients with Intraventricular Hemorrhage.** K.N. Fountas E.Z. Kapsalaki, D.C. Parish, B. Smith, H.F. Smisson, K.W. Johnston, J.S. Robinson. *Southern Medical Journal*, August 2005; 98(8):767-773.
41. **Review of the Literature Regarding the Relationship of Rebleeding and External Ventricular Drainage in Patients with Subarachnoid Hemorrhage of Aneurysmal Origin.** KN Fountas, EZ Kapsalaki, TG Machinis, I Karampelas, H Smisson, JS Robinson. *Neurosurgical Review*, January 2006; 29(1): 14-8, discussion 19-20.
42. **Surgical Treatment of Acute Type II and Rostral Type III Odontoid Fractures Treated by Anterior Screw Fixation.** KN Fountas, TG Machinis, EZ Kapsalaki, VG Dimopoulos, CH Feltes, R Liipfert, KW Johnston, HF Smisson, JS Robinson. *Southern Medical Journal*, September 2005; 98(9): 896-901.

43. **Literature Review Regarding the Methodology of Assessing Third Nerve Paresis Associated with non-ruptured Posterior Communicating Artery Aneurysms.** VG Dimopoulos, KN Fountas, CH Feltes, JS Robinson, AA Grigorian. *Neurosurgical Review*, October 2005; 28(4): 256-260.
44. **Quantitative Pupillometry: Normative Data in Healthy Pediatric Volunteers.** AV Ciurea, KN Fountas, TC Coman, TG Machinis, EZ Kapsalaki, NI Fezoulidis, JS Robinson. *Journal of Neurosurgery*, December 2005; 103(6 Supplement): 496-500.
45. **Head Injury Management Algorithm as Described in Hippocrates' "Peri Ton en Cephalo Traumatou."** VG Dimopoulos, TG Machinis, KN Fountas, JS Robinson. *Neurosurgery*, December 2005; 57(6): 1303-1305.
46. **Spontaneous Motor Cortex Encephalocele Presenting with Simple Partial Seizures and Progressive Hemiparesis. Case review and review of the literature.** KN Fountas, JR Smith, PD Jenkins, AM Murro. *Neurosurgical Focus*, 2005; 19(3): E10.
47. **Implantation of a Closed-Loop Stimulation in the Management of Medically Refractory Focal Epilepsy: A Technical Note.** KN Fountas, JR Smith, AM Murro, J Politsky, YD Park, PD Jenkins. *Stereotactic and Functional Neurosurgery*, 2005; 83(4):153-158.
48. **The Clinical Application of Non-Invasive Intracranial Blood Volume Pulse Wave Monitoring.** IR Chambers, G Daubaris, E Jarzemskas, KN Fountas, R Kvascevicus, A Ragauskas, S Rocka, JS Robinson. *Physiological Measurements*, September 16, 2005; 26:1019-1032.
49. **Extrusion of a Screw into the Gastrointestinal Tract After Anterior Cervical Spine Plating.** KN Fountas, EZ Kapsalaki, TG Machinis, JS Robinson. *J Spine Disord Tech*, 2006; 19(3): 199-203.
50. **Pediatric Golf-related Injuries.** KN Fountas, EZ Kapsalaki, TG Machinis, A Boev, EC Troup, JS Robinson. *Child's Nervous System*, April 2006 [Epublished ahead of print].
51. **Spontaneous Posterior Fossa Hemorrhage Associated with Low-Molecular Weight**

- Heparin in an Adolescent Recently Diagnosed with Posterior Reversible Encephalopathy Syndrome. Case report and review of the literature.** TG Machinis, KN Fountas, VG Dimopoulos, EC Troup. *Child's Nervous System*, 2006 Nov; 22(11):1487-91.
52. **Management of Intracranial Meningeal Hemangiopericytomas: Outcome and Experience.** KN Fountas, EZ Kapsalaki, CH Feltes, Smisson HF, KW Johnston, JS Robinson Jr. *Neurosurgery Rev*, 2006; 29(2):145-153.
53. **Long-Term Surgical Outcome in Patients with Intracranial Hydatid Cyst.** AV Ciurea, KN Fountas, TC Coman, TG Machinis, EZ Kapsalaki, NI Fezoulidis, JS Robinson. *Acta Neurochir (Wien)*, 2006; 148(4): 421-426.
54. **A Rare Case of Complete C2-C3 Dislocation with Mild Neurological Symptoms.** TG Machinis, KN Fountas, EZ Kapsalaki, I Kapsalakis, AA Grigorian. *European Spine Journal*, January 2006; 21: 1-5 [Epublished ahead of print].
55. **Accurate Placement of Ventriculoatrial Shunt Distal End Using Real-Time Transesophageal Echocardiography.** TG Machinis, KN Fountas, J Hudson, JS Robinson, EC Troup. *Journal of Neurosurgery*, 2006 Jul; 105(1):153-6.
56. **Familial Intracranial Ependymomas. Report of three cases in a family and review of the literature.** VG Dimopoulos, KN Fountas, JS Robinson Jr. *Neurosurgical Focus*, 2006; 20(1): E8.
57. **Spinal Hydatid Disease, a Rare but Existent Pathological Entity: case report and review of the literature.** GS Sapkas, TG Machinis, GD Chloros, KN Fountas, GS Themistocleous, G Vrettakos. *Southern Medical Journal*, 2006; 99(2): 178-183.
58. **Cervical Epidural Hematoma in Children: a Rare Clinical Entity.** Case report and review of the literature. KN Fountas, EZ Kapsalaki, JS Robinson Jr. *Neurosurgical Focus*, 2006; 20(2): E6.
59. **The Art of Alleviating Pain in Greek Mythology.** TG Machinis, KN Fountas. *Neurosurgery*, 2006; 58(3): E590.

60. **Intracranial Stimulation Study of Lateralization of Affect.** JR Smith, GP Lee, KN Fountas, DW King, PD Jenkins. *Epilepsy Behavior*, May 2006; 8(3): 534-541.
61. **Clinical Implications of Quantitative Infrared Pupillometry in Neurosurgical Patients.** KN Fountas, EZ Kapsalaki, TG Machinis, AN Boev, JS Robinson, III, EC Troup. *Neurocritical Care*, 2006; 5(1)55-60.
62. **Orbital Hydatid Cyst in Childhood. Report of 2 cases.** AV Ciurea, G Giuseppe, TG Machinis, TC Coman, KN Fountas. *Southern Medical Journal*, June 2006; 99(6)620-4.
63. **Pain Outcome and Vertebral Body Height Restoration in Patients Undergoing Kyphoplasty.** TG Machinis, KN Fountas, CH Feltes, KW Johnston, JS Robinson, Jr. *Southern Medical Journal*, May 2006; 99(5)457-460.
64. **Outcome of Patients Undergoing Gamma Knife Stereotactic Radiosurgery for Medically Refractory Idiopathic Trigeminal Neuralgia.** KN Fountas, GP Lee, JR Smith. *Stereotactic and Functional Neurosurgery*, 2006; 84 (2-3)
65. **Olivecrona on the Development of Neuro-Surgery in the Middle of the 20<sup>th</sup> Century: Reflections with the Wisdom of Today.** TG Machinis, KN Fountas. *Neurosurgical Focus*, 2006; 20(5): E10.
66. **Anatomical Hemispherectomy.** KN Fountas, JR Smith, JS Robinson, G Tamburrini, Pietrini D, DiRocco C. *Childs Nervous System*, June 30, 2006 [Epublished].
67. **The Pearls and Pitfalls of Skull Trephination as Described by Hippocrates.** V Dimopoulos, MD, JS Robinson III, MS, KN Fountas, MD, PhD. *The Journal of the History of Neurosciences*, 2006.
68. **Neurosurgeons' Role in Cost Control: Study Finds Absence of Economic Analysis in Neurosurgical Outcome Assessment.** JS Robinson III, C Sevin, KN Fountas, CH Feltes, LG Nikolakakos, JS Robinson Jr. *AANS Bulletin*, October 2006.

69. **Historic Evolution of Stereotactic Amygdalotomy for the Management of Severe Aggression.** KN Fountas, JS Smith, JS Robinson Jr. *Journal of Neurosurgery*, April 2007.
70. **A Novel Closed-Loop Stimulation System in the Management of Medically Refractory Epilepsy.** KN Fountas, JR Smith, Murro AM, Politsky J, Park YD, Jenkins PD. *Stereotactic Functional Neurosurgery*, 2005; 83(4):153-8.
71. **Vascular Pathology of the Brain.** AA Grigorian; Book Chapter by JS Robinson, Jr. (To be published).
72. **Neuronal Networks of the Basal Ganglia and the Value of Recording Field Potentials from Them.** KN Fountas, JR Smith. Accepted in: *NEUROMODULATION*, textbook issued by Springer (Volume I).
73. **Closed-Loop Stimulation in the Management of Medically Refractory Epilepsy.** KN Fountas, JR Smith. Accepted in a Neuroengineering textbook issued by MIT.
74. **Closed-Loop Stimulation for Epilepsy Treatment.** KN Fountas, JR Smith. Accepted in: *NEUROMODULATION*, textbook issued by Springer (Volume II).
75. **C-Reactive Protein Might Predict Outcome in Aneurysmal Subarachnoid Hemorrhage.** KN Fountas, JS Robinson, III, EZ Kapsalaki, MA Kassam, C Sevin, JS Robinson, Jr. Accepted in: *Acta Neurochirurgica*.
76. **The Role of Magnesium Sulfate in the Treatment of Vasospasm in Patients with Spontaneous Subarachnoid Hemorrhage.** KN Fountas, EZ Kapsalaki, TG Machinis, JS Robinson, III, C Sevin, JS Robinson, Jr. Accepted in: *Acta Neurochirurgica*.
77. **The Role of Intraoperative Micro-Doppler Ultrasound in Verifying Proper Clip Placement in Intracranial Aneurysm Surgery.** EZ Kapsalaki, GP Lee, JS Robinson,III, AA Grigorian, KN Fountas. Accepted in: *Clinical Neurology and Neurosurgery*.
78. **Spontaneous Superior Sagittal Sinus Thrombosis Secondary to Type II Heparin-**

- Induced Thrombocytopenia Presenting as an Acute Subarachnoidal Hemorrhage.** KN Fountas, T Hope, L Faircloth, AA Grigorian. Accepted in: Journal of Clinical Neurosciences.
79. **Salvage of a Failed Odontoid Screw. Case Report.** KN Fountas, EZ Kapsalaki, TG Machinis, R Liipfert, HF Smisson. Journal of Clinical Neurosciences. March 2007 [Epublished]
80. **Bilateral Stereotactic Amygdalotomy for Self-Mutilation Disorder. Case Report and Review of the Literature.** KN Fountas, JR Smith, GP Lee. Accepted in: Stereotactic and Functional Neurosurgery. January 2007; 85(2-3) [Epublished].
81. **Interobservational Variation in Determining Fusion Rates in Anterior Cervical Discectomy and Fusion Procedures.** KN Fountas, EZ Kapsalaki, BE Smith, LG Nikokakos, CH Rishardson, HF Smisson, JS Robinson Jr., DC Parish. European Spine Journal. January 2007; 16(1)39-45.
82. **Supratentorial Epidural Hematoma of Traumatic Etiology in Infants.** KN Fountas, JS Robinson Jr. Child Nervous System. March, 2007 ;23(3):335-41 [Epublished]
83. **Spontaneous Resolution of Acute Subdural Hematomas.** EZ Kapsalaki, TG Machinis, JS Robinson, III, B Newman, AA Grigorian, KN Fountas. Accepted in: Journal of Clinical Neurosciences. April, 2007; 109(3):287-291 [Epublished]
84. **Nursing home psychological service models.** Snow, L., Casciani, J., Sohnle S., Karel, M., Norris, M.,Paret, D., & Hyer, L. American Journal of Geropsychiatry.
85. **How Dare We Presume To Define Quality of Life Within LTC?** Hyer, L. Heath, J., & Yeager, C. PLTC Newsletter. 2007; 20, 8-15.
86. **Vascular Cognitive Impairment: Perspective and Review. Psychiatry and The Law.** Hyer, L., Damon, J., & Nizam, Z. (in press).
87. **Predicting Opioid Dependence using Pain Intensity and Length of Pain Suffering in Pre-spine Surgery Patients.** Valid, S., Hyer, L., & Robinson, J. Journal of Pain, Symptom Control and Palliative Care. 2007.

88. **Prevalence of opioid-dependence in spine surgery patients and correlation with length of stay.** Valid, S., Hyer, L., Ajjan, M., Barth, A., Robinson, J. *Journal of Opioid Management* , Vol. 3, 3:127, 2007).
89. **A rare, delayed complication of a ventriculo-gallbladder shunt.** Fountas KN, Kassam MA, Grigorian AA, *Neurosurgical Focus*. April 2007
90. **Mammography and breast surgery may damage ventriculoperitoneal shunts: case report.** Valid, S., Ajjan, M., Robinson, J. *Internet Journal of Surgery*. May 2007
91. **Case report: Sydenham Chorea versus epilepsy.** Zhao, D, Richter, ED, Hyer, L, Robinson, JS, Chung, I. (to be published)
92. **Age a factor in Psychogenic Non-epileptic Seizure (PNES): adult.** Zhao, D, Richter, ED, Hyer, LA, Moriner, GM, Chung, I, Robinson, JS, Barth, ACM, Mancin, KF, Robinson, LE (to be published)
93. **Positional peripheral nerve injury in spine surgery: a potential role of upper extremity somatosensory evoked potential monitoring.** Chung I, Fuhrmann B, Dimopoulos V, Robinson JS, Grigorian A,. (under review in the *Journal of Neurosurgery: Spine*, 2007).
94. **Microsurgical and Angiographic Anatomy of Middle Cerebral Artery Aneurysms: Prevalence and Significance of early branch aneurysms.** AJ Ulm, G Fauthery, N Tanriover, AL Rhoton, R Mericle, S Lewis (to be submitted)
95. **Cauda Equina Syndrome – Think of Cancer!** MS Walid, M Ajjan, KW Johnson, JS Robinson Jr, (submitted in *Permanente Journal*)
96. **Novel use of Onyx embolic agent in the treatment of symptomatic fusiform aneurysms** AJ. Ulm , RM. Mericle, CGallati, and Eskioglu. (to be published)

97. **A single large brain metastasis from a thymic carcinoma in association with siadh: case report.** MS Walid, EC Troup, JS Robinson (to be published)
98. **Cognitive Rehabilitation in Long Term Care: Why Not?** L Hyer, CA Yeager, & MR Toole. Journal of Psychiatry Long Term Care, July, 2007.
99. **A Single Large Brain Metastasis from a Thymic Carcinoma in Association with Siadh: Case Report.** MS Walid, EC Troup, & JS Robinson. (to be submitted to Southern Medical Journal)
100. **Chronic Back Pain: Clinical Quiz.** MS Walid, AA Grigorian, & JS Robinson. Journal of Neurosurgery. The Internet Journal of Neurosurgery, 2007. Volume 4 Number 1.
101. **Severe Painless Cervical Spinal Stenosis In An Old Patient: To operate or not to operate?** MS Walid, & JS Robinson. The Internet Journal of Neurosurgery. Volume 3 Number 2
102. **Predicting Opioid-Dependence Using Pain Intensity and Suffering in Pre-Spine-Surgery Patients.** MS Walid, L Hyer, JS Robinson, & M Ajjan. The Internet Journal of Pain, Symptom Control and Palliative Care. 2007. Volume 5 Number 2.
103. **Pituitary Apoplexy Mimicking Pituitary Abscess: Case Report.** MS Walid, SV Patel, JL Stephens, T Parveen, M Ajjan, L Faircloth, & JS Robinson. The Internet Journal of Neurosurgery. 2007. Volume 4 Number 1.
104. **Prevalence of Opioid Dependency in Spine Surgery Patients and Correlation with Length of Stay.** MS Walid, L Hyer, M Ajjan, ACM Barth, & JS Robinson. May/June, 2007. Volume 3, Number 3.
105. **Terson's Hemorrhage in patients suffering Aneurismal Subarachnoid Hemorrhage: Predisposing Factors and Prognostic Significance.** PG Theodosiadis, EZ Kapsalaki, GP Lee, TG Machinis, JS Robinson, KN Fountas.

106. **Quantitative estimation of the Recurrent Laryngeal Nerve Irritation during Anterior Cervical Discectomy and Fusion employing spontaneous Intraoperative Electromyographic Monitoring.** VG Dimopoulos, KN Fountas, I Chung, GP Lee, KW Johnston, IZ Kapsaladis, HF Smisson, AA Grigorian, JS Robinson.
107. **Cellulitis May Present as Foot Drop in a Diabetic Patient.** MS Walid, M Ajjan, N Patel, T Guta. *The Internet Journal of Neurology*, Volume 7 Number 1, 2007.
108. **Borreliosis And Human Granulocytic Anaplasmosis Coinfection With Positive Rheumatoid Factor And Monospot Test: Case-Report.** MS Walid, M Ajjan, N Patel. *The Internet Journal of Infectious Disease*. Volume 6 Number 1, 2007.
109. **The IUGR Prognostic Scale.** Walid, MS., Astafyeva OV., & Pomortsev, AV. *Archives of Gynecology and Obstetrics*. 2007 (epub ahead of print).
110. **Dementia: Interaction of depression, apathy and insight.** Hyer, L., Sacks, A, Gallo, J., Damon, J. & Coleman, J. (in submission). *Journal of Clinical Psychology*.

## SCIENTIFIC ORAL PRESENTATIONS

1. **“Epilepsy in Cortical Dysplasia: Factors Affecting Surgical Outcome”** KN Fountas, DW King, KJ Meador, GP Lee, JR Smith. 5th Congress of the Romanian Society of Neurosurgery. Bucharest, Romania. May 2003.
2. **“Non-Habitual Seizures in Patients with Implanted Subdural Electrodes”** KN Fountas, JR Smith, DW King, PD Jenkins. 5th Congress of the Romanian Society of Neurosurgery. Bucharest, Romania. May 2003.
3. **“The Role of Proton Single Voxel Magnetic Resonance Spectroscopy in the Pre-Operative Evaluation of Intra-Cranial Tumors.12-year experience”** KN Fountas, E Kapsalaki, JS Robinson, P Toulas, I Fezoulidis, SD Gotsis. 12th European Congress of Neurosurgery. Lisbon, Portugal. September 2003.

4. **“Comparison of a New Non-Invasive Ultrasonic Technology and Standard Invasive Intra-Cranial Pressure Monitoring in the Evaluation of Cerebrovascular Auto-Regulation in Patients with Severe Closed Head Injury”** KN Fountas, VG Dimopoulos, CH Feltes, MA Kassam, R Davydov, AA Grigorian, KW Johnston, HF Smisson, EC Troup, JS Robinson, A Ragauskas. 12th European Congress of Neurosurgery. Lisbon, Portugal. September 2003.
5. **“Temporal Lobotomy in the Surgical Management of Epilepsy”** KN Fountas, MR Lee, JR Smith. 12th European Congress of Neurosurgery. Lisbon, Portugal. September 2003.
6. **“Trans-Cranial Ultrasonography in Evaluation of Hydrocephalus”** KN Fountas, R Kvascevicus, CH Feltes, VG Dimopoulos, S Rocka, A Ragauskas, JS Robinson. 12th European Congress of Neurosurgery. Lisbon, Portugal. September 2003.
7. **“Spinal Surgery Outcome in Elderly Patients”** VG Dimopoulos, CH Feltes, MA Kassam, R Davydov, KN Fountas, AA Grigorian, JS Robinson, A Ragauskas. 12th European Congress of Neurosurgery. Lisbon, Portugal. September 2003.
8. **“C1-C2 Surgical Stabilization Techniques”** KN Fountas, CH Feltes, AA Grigorian, KW Johnston, HF Smisson, EC Troup, JS Robinson. National Neurosurgical Meeting of Paraguay. Assuncion, Paraguay. September 2003.
9. **“Surgical Treatment of Epilepsy”** KN Fountas, CH Feltes, JS Robinson, JR Smith. National Neurosurgical Meeting of Paraguay. Assuncion, Paraguay. September 2003.
10. **“Correlation of Postoperative Outcome with Severity of Third Nerve Paresis in Patients with Non-Ruptured Posterior Communicating Artery Aneurysms”** VG Dimopoulos, CH Feltes, KN Fountas, I Karampelas, MA Kassam, R Davydov, JS Robinson, A Grigorian. Annual Fall Meeting of the Georgia Neurosurgical Society. Atlanta, GA, USA. November 2003.
11. **“Normal Data for Quantitative Pupillometry in Children”** I Karampelas, AN Boev III, V Dimopoulos, MA Kassam, CH Feltes, KN Fountas, EC Troup. Annual Fall Meeting of the Georgia Neurosurgical Society. Atlanta, GA, USA. November 2003.

12. **“Is the Intravenous Administration of Magnesium Sulfate Preventing the Development of Vasospasm?”** KN Fountas, EZ Kapsalaki, P Chandler, C Feltes, I Karampelas, JS Robinson Jr, AA Grigorian, M Castresana. Joint Annual Meeting of AANS/CNS Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology. San Diego, CA, USA. February 2004.
13. **“Treatment of Vasospasm in Patients with Spontaneous Subarachnoid Hemorrhage with Intravenous Administration of Magnesium Sulfate”** KN Fountas, VG Dimopoulos, CH Feltes, JS Robinson, M Castresana. 1<sup>st</sup> Annual Meeting of Neurocritical Care Society. San Diego, CA, USA. February 2004.
14. **“Results of Long-Term Follow-up in Patients Undergoing Anterior Screw Fixation for Type II and Type III Odontoid Fractures”** KN Fountas, VG Dimopoulos, CH Feltes, EZ Kapsalaki, AA Grigorian, HF Smisson, KW Johnston, JS Robinson. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting. San Diego, CA, USA. March 2004.
15. **“Results of Long Term Follow-Up in Patients Undergoing Anterior Screw Fixation for Type II and III Odontoid Fractures”** KN Fountas, VG Dimopoulos, CH Feltes, EZ Kapsalaki, AA Grigorian, HF Smisson, KW Johnston, JS Robinson. 20<sup>th</sup> Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. San Diego, CA, USA. March 2004.
16. **“Early Clearance of Blood in Subarachnoid Space in a Patient with Aneurysmal Subarachnoid Hemorrhage (SAH).”** VG Dimopoulos, MA Kassam, C Feltes, I Karampelas, KN Fountas, JS Robinson. Annual Spring Meeting of the Georgia Neurosurgical Society. Sea Island, GA, USA. May 2004.
17. **“Anterior Temporal Lobectomy and Amygdalo-Hippocampectomy: Long-Term Outcome”** KN Fountas, MR Lee, JR Smith. 16<sup>th</sup> Congress of the European Society for Stereotactic and Functional Neurosurgery. Vienna, Austria. June 2004.
18. **“Closed Loop Stimulation in the Control of Focal Epilepsy”** JR Smith, AM Murro, J Politsky, YD Park, KN Fountas, PD Jenkins, D Greene, ASSFN Biennial Meeting. Cleveland, OH, USA. October 2004.

19. **“Results of Kyphoplasty in Patients with Osteoporotic Compressive Vertebral Column Fractures”** LG Nikolakakos, KN Fountas, EZ Kapsalaki, VG Dimopoulos, I Karampelas, JS Robinson, P Soukakos. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. October 2004.
20. **“Treatment of Patients with Type II Odontoid Fractures by Utilizing Anterior Screw Fixation”** LG Nikolakakos, KN Fountas, EZ Kapsalaki, I Karampelas, VG Dimopoulos, JS Robinson, P Soukakos. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. October 2004.
21. **“Outcome and Experience in Managing Intracranial Meningeal Hemangiopericytomas”** MA Kassam, KN Fountas, E Kapsalaki. Georgia Neurosurgical Society Annual Meeting. Atlanta, GA, USA. November 19-20, 2004.
22. **“The Treatment of Head Injuries by Hippocrates”** V Dimopoulos, KN Fountas, CH Feltes. Georgia Neurosurgical Society Annual Meeting. Atlanta, GA, USA. November 19-20, 2004.
23. **“Multi-Institutional Prospective Phase II Clinical Study Utilizing Focal Radiation in Patients with 1-3 Brain Metastases”** KN Fountas, EZ Kapsalaki, HF Smisson, KW Johnston, D Cole, JS Robinson, A Sills. EANS Winter Meeting. Prague, Czech Republic. February 2005.
24. **“Treatment of Head Injury in the Hippocratic Era”** V Dimopoulos. 6<sup>th</sup> Annual History of Medicine Symposium. The Medical Center of Central Georgia. February 2005.
25. **“The Role of Microdialysis in Neuro-Intensive Care Monitoring”** KN Fountas, TG Machinis, JS Robinson. GNS Annual Meeting. Sea Island, GA, USA. May 2005.
26. **“Closed-Loop Stimulation System in the Treatment of Epilepsy”** JR Smith, J Politsky, A Murro, KN Fountas. 14<sup>th</sup> Meeting of the World Society for Stereotactic and Functional Neurosurgery. Rome, Italy. June 2005.
27. **“Comparison of Percutaneous Radiofrequency Rhizotomy and Stereotactic Radiosurgery in the Treatment of Patients with Medically Refractory Trigeminal Neuralgia”** KN Fountas, JR Smith. 14<sup>th</sup> Meeting of the World Society for Stereotactic and Functional Neurosurgery. Rome, Italy. June 2005.

28. **“Recurrent Laryngeal Nerve Injury in Anterior Cervical Spine Interventions”**  
Quantitative Evaluation. VG Dimopoulos, LG Nikolakakos, KN Fountas, PG Mouhtouri, IZ Kapsalakis, C Kyriakopoulos, JS Robinson, PN Soucacos. 7<sup>th</sup> EFORT Meeting. Lisbon, Portugal. June 2005.
29. **“Anterior Screw Stabilization for Surgical Management of Type II Odontoid Fractures”** LG Nikolakakos, KN Fountas, VG Dimopoulos, GD Chloros, I Karampelas, CH Feltes, EZ Kapsalaki, JS Robinson, PN Soucacos. 7<sup>th</sup> EFORT Meeting. Lisbon, Portugal. June 2005.
30. **“Definitive Diagnosis of Cerebral Abscesses Versus Malignant Brain Tumors by Proton Magnetic Resonance”** KN Fountas, ED Gotsis, EZ Kapsalaki, HF Smisson, IZ Kapsalakis, IM Fezoulidis, TG Machinis, JS Robinson. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
31. **“The Role of Magnesium Sulfate in the Treatment of Vasospasm in Patients with Spontaneous Subarachnoid Hemorrhage”** T Machinis, KN Fountas, E Kapsalaki, JS Robinson. Selected among one of the six top presentations. 57<sup>th</sup> Annual Congress of the Scandinavian Neurosurgical Society. Oslo, Norway. June 2005.
32. **“Outcome of Patients Undergoing Gamma-knife Stereotactic Radiosurgery for Medically Refractory Idiopathic Trigeminal Neuralgia”** KN Fountas, JR Smith 7<sup>th</sup> International Stereotactic Radiosurgery Society Congress. Brussels, Belgium. September 2005.
33. **“The Role of CTA in the Evaluation of Vertebral Artery Injuries Secondary to Blunt Cervical Spine Trauma”** E Kapsalaki, KN Fountas. 30<sup>th</sup> Congress of the European Society of Neuroradiology. Barcelona, Spain. September 2005.
34. **“Interobservational Variation in Determining Fusion Rates in Anterior Cervical Discectomy and Fusion Procedures”** E Kapsalaki, KN Fountas. 30<sup>th</sup> Congress of the European Society of Neuroradiology. Barcelona, Spain. September 2005.
35. **“Management of Subarachnoid Hemorrhage”** JS Robinson. 1<sup>st</sup> Paraguayan Congress of Neurology. Paraguay. October 2005.

36. **“The Use of Microdialysis in the Neuro Intensive Care Unit”** CH Feltes. 1<sup>st</sup> Paraguayan Congress of Neurology. Paraguay. October 2005.
37. **“Surgical Management of Intracerebral Hemorrhages”** CH Feltes. 1<sup>st</sup> Paraguayan Congress of Neurology. Paraguay. October 2005.
38. **“Craniectomy and its Indication in the Acute Ischemic Stroke”** CH Feltes. 1<sup>st</sup> Paraguayan Congress of Neurology. Paraguay. October 2005.
39. **“Seminar: Management of Severe Traumatic Brain Injury”** JS Robinson, CH Feltes. 1<sup>st</sup> Paraguayan Congress of Neurology. Paraguay. October 2005.
40. **“Neurosurgery in the 21<sup>st</sup> Century”** JS Robinson. 75<sup>th</sup> Anniversary of Eurovan State Medical University Symposium. Armenia. October 2005.
41. **“World Neurosurgery in Transition”** JS Robinson. 75<sup>th</sup> Anniversary of Eurovan State Medical University Symposium. Armenia. October 2005.
42. **“The Description of Skull Shape and the Correlation With the Suture Configuration as Described by Vesalius”** VG Dimopoulos, KN Fountas, TG Machinis, JS Robinson. Fall GNS Annual Meeting. Atlanta, GA, USA. November 2005.
43. **“Absence of Economic Analysis in Neurosurgical Outcome Assessment”** JS Robinson III, C Sevin, KN Fountas, CH Feltes, JS Robinson Jr. Fall GNS Annual Meeting. Atlanta, GA, USA. November 2005.
44. **“Non-Resective Surgical Treatments of Medically Refractory Epilepsy”** KN Fountas. 3<sup>rd</sup> Annual Epilepsy Educational Meeting, General Hospital of Athens. Athens, Greece. February 2006.
45. **“The Role of Magnetic Source Imaging (MSI) in Epileptogenic Focus Localization and Functional Mapping”** KN Fountas. 3<sup>rd</sup> Annual Epilepsy Educational Meeting, General Hospital of Athens. Athens, Greece. February 2006.

46. **“C-Reactive Protein as a Predictive Outcome Marker in Aneurysmal Subarachnoid Hemorrhage”** KN Fountas, TG Machinis, MA Kassam, V Dimopoulos, C Feltes, AA Grigorian, JS Robinson. 2006 AANS/CNS Cerebrovascular Section & ASITN Annual Meeting. Orlando, FL, USA. February 2006.
47. **“Complications of Anterior Cervical Discectomy and Fusion; Lessons That Can Be Learned”** KN Fountas, TG Machinis, EZ Kapsalaki, CH Feltes, HF Smisson, JS Robinson. EANS Winter Meeting. Luxembourg. February 2006.
48. **“The Role of Micro-Doppler Ultrasound in Aneurysm Clipping Intraoperatively”** E Kapsalaki, KN Fountas, I Fezoulidis, P Toulas, JS Robinson. Annual European Congress of Radiology. Vienna, Austria. March 2006.
49. **“A Phase II Study Utilizing Focal Radiation in Patients with 1-3 Brain Metastases”** AK Sills, SK Tatter, KN Fountas, RK Fraser, AK Asher, MK Vogelbaum, KK Judy, GK Canute, RK Jensen, AK Redmond. Southern Neurosurgical Society Annual Meeting. Southampton, Bermuda. March 2006.
50. **“Follow-Up Results with a Closed Loop Stimulation System in the Control of Focal Epilepsy”** JR Smith, AM Murro, YD Park, J Politsky, K Lee, KN Fountas, D Lobel, PD Jenkins, R Goodman, G McKhann II, D Spencer, K Vives, R Gwinn, R Marsh, R Wharen, R Zimmerman, T Schwartz, G Jallo, K Elisevich, R Byrne, M Carey, M Morrell, the NeuroPace RNS Investigator Group. American Society for Stereotactic and Functional Neurosurgery Annual Meeting. Boston, MA, USA. June 2006.
51. **“Computational Modeling and Simulations of Cerebral Hypothermia Using Selective Brain Cooling Mechanism”** A Chappell, RS Vines, KN Fountas, T Machinis, JS Robinson Jr, S Hyun. Proceedings of the 2006 Summer Bioengineering Conference. Amelia Island, FL, USA. June 2006.
52. **“Pain Outcome in Patients Undergoing Kyphoplasty for Osteoporotic Vertebral Compression Fractures”** LG Nikolakakos, VG Dimopoulos, TG Machinis, JS Robinson III, CH Feltes, KN Fountas, KW Johnston, JS Robinson Jr. 68<sup>th</sup> Annual International College of Surgeons Meeting. Nashville, TN, USA. June 2006.

53. **“The Description of Skull Shape and the Correlation with the Suture Configuration as Described by Vesalius”** VG Dimopoulos, KN Fountas, TG Machinis, JS Robinson. 68<sup>th</sup> Annual International College of Surgeons Meeting. Nashville, TN, USA. June 2006.
54. **“C-Reactive Protein Might Predict Outcome in Aneurysm Subarachnoid Hemorrhage”** KN Fountas, JS Robinson III, MA Kassam, C Sevin, JS Robinson Jr. The 9<sup>th</sup> International Conference on Cerebral Vasospasm. Istanbul, Turkey. June 2006.
55. **“Anterior Cervical Discectomy and Fusion Associated Complications; Lessons That can be Learned”** KN Fountas, EZ Kapsalaki, LG Nikolakakos, TG Machinis, JS Robinson III, VG Dimopoulos, HF Smisson, JS Robins Jr. NASS 21<sup>st</sup> Annual Meeting. Seattle, WA, USA. August 2006.
56. **“The Role of Trauma in Homeland Security and Disaster Preparedness”** JS Robinson, CH Feltes. Mercer University School of Medicine. Macon, GA, USA. September 11, 2006.
57. **“The Pearls and Pitfalls of Skull Trephination as Described by Hippocrates”** V Dimopoulos, MD, JS Robinson III, MS, KN Fountas, MD, PhD. The Journal of the History of Neurosciences. 2006.
58. **“Trauma Manpower”** JS Robinson, Jr. Trauma Manpower Conference. Savannah, GA, USA. September 25, 2006.
59. **“Burr Holes” & “Craniotomy”** EC Troup. 3<sup>rd</sup> Annual Traumatic Brain Injury Symposium. Macon, GA, USA. October 17, 2006.
60. **“Opening Remarks”** JS Robinson, Jr. 3<sup>rd</sup> Annual Traumatic Brain Injury Symposium. Macon, GA, USA. October 17, 2006.
61. **“The Role of Trauma in Homeland Security and Disaster Preparedness”** JS Robinson, C.H. Feltes. Mercer University School of Medicine. Macon, GA, USA. September 11, 2006.
62. **“Incidence of Lamotrigine-Related Non-Severe and Severe Rash in the Adult**

- Population: A Review**” A Escurra de Feltes, D Zhao, J Allen, JS Robinson Jr. XXV Congreso Centroamericano y del Caribe de Dermatologia. San Pedro Sula, Honduras. November 11-15, 2006.
63. **“Upper Trunk Cutaneous Stigmata of Occult Cervical Dysraphism: A Dermatologic Perspective and Case Presentation”** A Escurra de Feltes, D Zhao, J Allen, JS Robinson Jr. XXV Congreso Centroamericano y del Caribe de Dermatologia. San Pedro Sula, Honduras. November 11-15, 2006.
64. **“The Future of Neurosurgery”** E Richter, 2007 Kiwanis Club. Macon, GA, USA. February 16, 2007.
65. **“Why Invest Taxpayer Money in a “Georgia Trauma System”?”** JS Robinson Jr. 2007 MedCen Community Health Foundation’s Seminar for Business and Community Leaders. Macon, GA, USA. February 20, 2007.
66. **“The Future of Brain Surgery”** E Richter, 2007 Macon Rotary Club. Macon, GA, USA. February 28, 2007.
67. **“Economic Analysis of Allograft vs. Autograft Usage for 1- and 2-Level ACD&F with Plate Fixation for Patients Requiring Inpatient Surgery”** ACM Barth, LG Nikolakakos, MA Kassam, MS Walid, CH Feltes, KN Fountas, AA Grigorian, KW Johnston, EO Richter, JS Robinson, Jr. 2007 AANS Annual Meeting. Washington, DC, USA. April 14-19, 2007.
68. **Physician-Hospital Co-operation to Alleviate Health-Care Costs.** ACM Barth, KF Mancin, RA Lummus, JD Lavelle, M Ajjan, JS Robinson, Jr. 2007 IMD-IHF Dubai International Medical Care & Diagnostic Conference, Dubai , UAE, April 22-24, 2007.
69. **Methods for Improving Outcome in High-Risk Surgery Patients.** M Ajjan, KF Mancin, VL Conlon, ACM Barth, SL Page-Mann, RA Lummus, JD Lavelle, JS Robinson, Jr. 2007 IMD-IHF Dubai International Medical Care & Diagnostic Conference, Dubai , UAE, April 22-24, 2007.
70. **Physician Roles In Cost Savings: Barriers & Opportunities.** JS Robinson, Jr., ACM Barth, M Ajjan. 2007 IMD-IHF Dubai International Medical Care & Diagnostic Conference, Dubai , UAE, April 22-24, 2007.

71. **Economic Analysis of Allograft vs. Autograft Usage for 1- and 2-Level ACD&F with Plate Fixation for Patients Requiring Inpatient Surgery.** ACM Barth, LG Nikolakakos, MA Kassam, MS Walid, CH Feltes, RA Lummus, KN Fountas, AA Grigorian, KW Johnston, EO Richter, JS Robinson, Jr. 2007 AANS Annual Meeting, Washington , DC , USA , April 14-19, 2007.
72. **“Success in Establishing Elective Lumbar Microdiscectomy as an Outpatient Procedure : A Study in Physician-Hospital Co-operation to Alleviate Costs”** ACM Barth, KF Mancin, RA Lummus, JD Lavelle, M Ajjan, JS Robinson Jr. 2007 IMD-IHF Dubai International Medical Care & Diagnostic Conference. Dubai, UAE. April 22-24, 2007.
73. **“Neurosurgical Internist Consultation: A Pre-Operative Method for Improving Post-operative Outcome in High-Risk Elective Spine Patients”** M Ajjan, KF Mancin, VL Conlon, ACM Barth, RA Lummus, JD Lavelle, M Ajjan, JS Robinson Jr. IMD-IHF Dubai International Medical Care & Diagnostic Conference. Dubai, UAE. April 22-24, 2007.
74. **Positional peripheral nerve injury in spine surgery: a potential role of upper extremity somatosensory evoked potential monitoring.** D. Zhao, MD., I. Chung, PhD., DABNM, MD., B. Fuhrmann, RN, CNIM, J. S. Robinson, MD., A. Grigorian, MD., PhD. Georgia Neurosurgical Society. Sea Island, GA, USA. May 25-27, 2007.
75. **Vagal Nerve Stimulation in Treatment Resistant Depression: Retrospective Look at Outcomes and Placement of Vagal Nerve.** LA Hyer, MS Walid, E Richter, JS Robinson, Jr. Georgia Neurosurgical Society. Sea Island, GA, USA. May 25-27, 2007.
76. **Prevalence of opioid-dependence in spine surgery patients and correlation with length of stay.** MS Walid, LA Hyer, E Richter, JS Robinson, Jr. Georgia Neurosurgical Society. Sea Island, GA, USA. May 25-27, 2007.
77. **Novel use of Onyx embolic agent in the treatment of symptomatic fusiform aneurysms** AJ. Ulm , RM. Mericle, CGallati, and Eskioglu. Georgia Neurosurgical Society. Sea Island, GA, USA. May 25-27, 2007.
78. **“The role of serum C-reactive protein as an outcome predictive marker in patients**

**with aneurysmal SAH**” Fountas KN, Robinson JS, Grigorian AA, Kourtopoulos H. European Association Neurological Societies. September 2-7, 2007.

79. **“Comparative results of fMRI and intraoperative electrophysiologic cortical mapping in sensory-motor and language area localization in patients with supra-tentorial tumors”** Kapsalakis JZ, Gotsis ED, Toulas PD, Verganelakis D, Ppadimitriou A, Robinson JS, Fezoulidis I, Kapsalaki EZ, Fountas KN. Congress of Neurological Surgeons. San Diego, CA, USA. September 15-17, 2007.
80. **“Case report: Sydenham Chorea versus epilepsy.”** Zhao, D, Richter, ED, Hyer, L, Robinson, JS, Chung, I. 61<sup>st</sup> American Epilepsy Society. Philadelphia, PA, USA. November 30 to December 4, 2007.
81. **Navigating the Obstacle Course: How to Survive a Capital Equipment Purchase.** Moriner, G. American Society for Electroneurodiagnostic Technologist. Orlando, FL. July 18-21, 2007.
82. **Minimally invasive spine surgery.** Richter, E. Mercer University School of Medicine Medical Center of Central Georgia Joint Research Conference. August 3rd, 2007.
83. **Research in movement disorder and functional neurosurgery.** Brooks, A., & Richter, E. Mercer University School of Medicine Medical Center of Central Georgia Joint Research Conference. August 16<sup>th</sup>, 2007.
84. **Microsurgical Anatomy Research.** Ulm, JA. Mercer University School of Medicine Medical Center of Central Georgia Joint Research Conference. August 16<sup>th</sup>, 2007. American Association of Neurological Surgeons.
85. **Hybrid Biplane O.R.: A Unique Neuro-Imaging Surgical Suite For Endovascular Patients.** Mancin, KF., Cole, DC., Barth, A., Beeland, RS., Boney, JT., Ulm, A., III, American Association of Nurses, March 28<sup>th</sup>, 2007.
86. **Isolated pontine neurosarcoidosis mimicking glioma.** MS Walid, JS Robinson, AA Grigorian, & M Ajjan. Georgia Neurosurgical Society, Atlanta, GA November 17, 2007.

87. **Pituitary apoplexy mimicking pituitary abscess: case report.** MS Walid, SV Patel, JL Stephens, T Parveen, M Ajjan, L Faircloth, & JS Robinson. The Internet Journal of Neurosurgery, ISSN: 1528-8285, August 2007.
88. **Expression of the Immunoglobulin Superfamily Protein Kirre in Cortex Endothelial Cells.** L Kong, J Kang, JS Robinson, & Z Wang. April 2007.
89. **The Positive Impact of World War I & II on the Development of Russian Neurosurgery.** MS Walid, NV Zaytseva, AA Grigorian, & JS Robinson. American Association of Neurological Surgeons. April 2008.
90. **Neurosurgical Internist Consultation: A Pre-operative Method for Improving Post-operative Outcome in High-Risk Elective Spine Patients.** M Ajjan, ACM Barth, MS Walid, KF Macin, VL Conlon, SL Page-Mann, RA Lummus, JD Lavelle, & JS Robinson. American Association of Neurological Surgeons. April 2008.
91. **Multimodality Intraoperative Neurophysiological Monitoring (IONM) in Intracranial Aneurysm Clipping.** I Chung, B Fuhrmann, D Zhao, JS Robinson, & AA Grigorian. European Association of Neurosurgical Societies. September 2007.
92. **Careers in Clinical Geropsychology.** L Hyer. American Psychological Association meeting in San Francisco, CA . August 2007.
93. **Age a factor in Psychogenic Non-epileptic Seizure (PNES): adult.** D Zhao, E Richter, L Hyer, G Moriner, I Chung, & JS Robinson. American Epilepsy Society. November 2007.
94. **Factors Affecting the Outcome of Patients After Surgical Clipping and Endovascular Coiling of Intracranial Aneurysms: Developing a Treatment Algorithm.** AJ Ulm, T Yao, M Ayad, S Simon, & R Mericle. Georgia Neurosurgical Society. Fall 2006.
95. **Use of a Covered Stent to Treat a Traumatic Vertebral Artery Fistula Presenting as Progressive Quadraparesis and a Pulsatile Neck Mass.** AJ Ulm, & RM Mericle. Georgia Neurosurgical Society. Fall 2006.

96. **ALS: Psychiatric Aspects and Coping Techniques.** Hyer, L. Amyotrophic Lateral Sclerosis (ALS) Symposium Medical Center of Central Georgia. Macon, GA September 7, 2007.
97. "Surgical Intervention for the TBI Patient." J.S. Robinson Jr., J. Yelverton. TBI Symposium, Trice Auditorium, October 17, 2007.
98. "Penetrating Carotid Artery Injury: A Multidisciplinary Approach to Trauma." J.S. Robinson Jr., J. Yelverton. TBI Symposium, Trice Auditorium, October 17, 2007.

## **SCIENTIFIC POSTER PRESENTATIONS**

1. **Intravenous Administration of MgSO<sub>4</sub> for the Prevention and Treatment of Vasospasm in Patients with Spontaneous Subarachnoid Hemorrhage.** KN Fountas, EZ Kapsalaki, P Chandler, CH Feltes, A Grigorian, JS Robinson, M Castresana. 71st AANS annual meeting. San Diego, CA, USA. April, 2003.
2. **Non-Habitual Seizures in Patients with Implanted Subdural Electrodes.** KN Fountas, JR Smith, DW King, PD Jenkins. 71st AANS annual meeting. San Diego, CA, USA. April, 2003.
3. **Ultrasound Non-Invasive Cerebrovascular Autoregulation Monitoring Technique Compared with Standard Invasive Technique in Patients with Severe Closed Head Injury.** A Ragauskas, VG Dimopoulos, CH Feltes, KN Fountas, R Davydov, A Grigorian, HF Smisson, KW Johnston, EC Troup, JS Robinson. 71st AANS annual meeting. San Diego, CA, USA. April, 2003.
4. **Continuous Intraoperative Electromyographic Monitoring of Recurrent Laryngeal Nerve Using a Newly Described Scale.** VG Dimopoulos, CH Feltes, KN Fountas, R Davydov, N Jallad, R Vogel, HF Smisson, KW Johnston, JS Robinson, A Grigorian. 71st AANS annual meeting. San Diego, CA, USA. April, 2003.
5. **Intracranial Hydatid Disease: Review of 11 Cases.** A Kalaijian, A Grigorian, V Sahakyan. 71<sup>st</sup> AANS Annual Meeting. San Diego, CA, USA. April, 2003.

6. **Continuous Intraoperative Electromyographic Monitoring of Recurrent Laryngeal Nerve Using a Newly Described Scale.** VG Dimopoulos, CH Feltes, KN Fountas, R. Davydov, R Vogel, HF Smisson, KW Johnston, JS Robinson, A Grigorian. 12th European Congress of Neurosurgery. Lisbon, Portugal. September, 2003.
7. **Continuous Intraoperative Electromyographic Monitoring of Recurrent Laryngeal Nerve Using a Newly Described Scale.** VG Dimopoulos, CH Feltes, KN Fountas, R Davydov, R Vogel, HF Smisson, KW Johnston, JS Robinson, A Grigorian. 53<sup>rd</sup> Congress of Neurosurgery. Denver, Colorado, USA. October 2003.
8. **MR Based Stereotactic Mesencephalic Tractotomy.** KN Fountas, VG Dimopoulos, CH Feltes, PD Jenkins, JR Smith. 53<sup>rd</sup> Congress of Neurosurgery. Denver, Colorado, USA. October 2003.
9. **Correlation of Recurrent Laryngeal Nerve (RLN) Intraoperative Electromyographic Monitoring (IEMG) Findings with Postoperative Findings in Patients Undergoing Anterior Cervical Discectomy (ACD&F).** VG Dimopoulos, CH Feltes, KN Fountas, M Kassam, R Davydov, R Vogel, KW Johnston, HF Smisson, AA Grigorian, and JS Robinson. 53<sup>rd</sup> CNS Annual Meeting. Denver, CO, USA. October 2003.
10. **Normal Data of Quantitative Pupillometry in Children.** KN Fountas, CH Feltes, VG Dimopoulos, A Boev, EC Troup, JS Robinson Jr. 32<sup>nd</sup> Annual Meeting of AANS/CNS Pediatric Neurological Section. Salt Lake City, Utah, USA. December 2003.
11. **The Correlation of Admission Hunt and Hess Grade with Modified Rankin Outcome Scale in Patients with Spontaneous Subarachnoid Hemorrhage.** V Dimopoulos, C Feltes, K Fountas, JS Robinson, AA Grigorian. Joint Annual Meeting of AANS/CNS Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology. San Diego, CA, USA. February 2004.
12. **A Proposed Scale for the Assessment of Third Nerve Paresis Associated with Non-Ruptured Posterior Communicating Artery Aneurysms.** V Dimopoulos, C Feltes, K Fountas, JS Robinson Jr, A Grigorian. Joint Annual Meeting of AANS/CNS Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology. San Diego, CA, USA. February 2004.

13. **Treatment of Vasospasm in Patients with Spontaneous Subarachnoid Hemorrhage with Intravenous Administration of Magnesium Sulfate.** KN Fountas, VG Dimopoulos, CH Feltes, JS Robinson, M Castresana 1<sup>st</sup> Annual Meeting of Neurocritical Care Society. San Diego, CA, USA. February 2004.
14. **Results of Long-Term Follow-up in Patients Undergoing Anterior Screw Fixation for Type II and III Odontoid Fractures.** KN Fountas, VG Dimopoulos, CH Feltes, EZ Kapsalaki, AA Grigorian, HF Smisson, KW Johnston, JS Robinson. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting. San Diego, CA, USA. March 2004 (ORAL POSTER).
15. **The Role of Proton Magnetic Resonance Spectroscopy in Differentiating Between Cerebral Abscess and Glioblastoma Multiforme.** KN Fountas, EZ Kapsalaki, CH Feltes, HF Smisson, JS Robinson, ED Gotsis. 72<sup>nd</sup> AANS Annual Meeting. Orlando, FL, USA. May 2004.
16. **Hippocrates “Peri ton en Cephalo Traumatismos.”** V Dimopoulos, K Fountas, C Feltes, MA Kassam, JS Robinson Jr. CNS 54<sup>th</sup> Annual Meeting. San Francisco, CA, USA.
17. **Immediate and Early Post Operative Pain Relief after Kyphoplasty Without Significant Restoration of Vertebral Body Height in Acute Osteoporotic Vertebral Body Fractures.** CH Feltes, KN Fountas, LG Nikolakakos, VG Dimopoulos, R Davydov, I Karampelas, M Kassam, JS Robinson, KW Johnston. CNS 54<sup>th</sup> Annual Meeting. San Francisco, CA, USA.
18. **Neuropsychological Status and Overall Functional Capacity of Patients Undergoing Surgery for Cerebral Aneurysm. Apparent discrepancy between modified Rankin scale-based assessment and true psychological quality of living of these patients.** I Karampelas, KN Fountas, T Fjordbak, CH Feltes, JS Robinson, AA Grigorian. CNS 54<sup>th</sup> Annual Meeting. San Francisco, CA, USA.
19. **Quantitative Estimation of Recurrent Laryngeal Nerve Irritation During Anterior Cervical Discectomy and Fusion.** VG Dimopoulos, LG Nikolakakos, KN Fountas, Mouchtouri P, Kapsalakis I, Kyriakopoulos X, Robinson JS, Soukagos P. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. 2004.

20. **Minimalization of Postoperative Pain After Lumbar Microdiscectomy by Wound Irrigation and Cooling.** Nikolakakos L, Fountas K, Chatzikostas P, Dimopoulos V, Kyriakopoulos X, Gavras G, Robinson JS, Soukagos P. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. 2004.
21. **Minimalization of Postoperative Pain After Lumbar Microdiscectomy by Corticosteroid Administration.** Nikolakakos L, Fountas K, Kyriakopoulos X, Karavolias X, Dimopoulos N, Themistocleous G, Robinson JS, Soukagos P. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. 2004.
22. **Correlation of Postoperative Pain with Intraoperative EMG Findings During Lumbar Microdiscectomy.** Dimopoulos V, Nikolakakos L, Fountas K, Kapsalakis I, Mouchtouri P, Chloros G, Robinson JS, Soukagos P. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. 2004.
23. **Correlation of the Amount of the Removed Disc and Outcome in Patients Undergoing Lumbar Microdiscectomy.** LG Nikolakakos, KN Fountas, X Kyriakopoulos, VG Dimopoulos, I Karampelas, X Karavolias, P Tsailas, JS Robinson, P Soukagos. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. 2004.
24. **Calculation of Dimensions of the Cervical Spinal Canal by Utilizing Myelogram and Computer Tomography.** Nikolakakos L, Fountas K, Kapsalaki E, Dimopoulos V, Chatzikostas P, Kyriakopoulos X, Gavras G, Robinson JS, Soukagos P. 60<sup>th</sup> Hellenic Orthopedic Conference. Athens, Greece. 2004.
25. **Factors Influencing Surgical Outcome in Patients with Non-Lesional Medically Refractory Epilepsy.** KN Fountas, JR Smith. 58<sup>th</sup> Annual Meeting American Epilepsy Society. New Orleans, LA, USA. 2004.
26. **Changes in Brainstem Auditory Evoked Potentials (BAEP) after Suboccipital Decompression (SOD) in Arnold- Chiari Malformations (ACM).** C Troup, B Furhmann, C Feltes, V Dimopoulos, I Chung, A Boev, D Wright, P Smothers. AANS/CNS Section on Pediatric Neurological Surgery. San Francisco, CA, USA. Dec 8-11, 2004.
27. **Closed-Loop Stimulation in the Control of Focal Epilepsy.** JR Smith, AM Murro, J Politsky,

YD Park, KN Fountas, PD Jenkins, D Greene. EANS Winter Meeting. Prague, Czech Republic. February 2005.

28. **Intraventricular Administration of rt-PA in Patients with Intraventricular Hemorrhage.** KN Fountas, EZ Kapsalaki, DC Parish, B Smith, HF Smisson, KW Johnston, JS Robinson. Neurocritical Care Society. Scottsdale, Arizona, USA. Feb 25-27<sup>th</sup>, 2005.
29. **Cauda Equina Syndrome Without Radiological Explanation in Patients Undergoing One-Level Lumbar Microdiscectomy (LMD) for Radiculopathy.** VG Dimopoulos, CH Feltes, KN Fountas, B Fuhrmann, I Chung, KW Johnston, HF Smisson, JS Robinson, AA Grigorian. AANS 73<sup>rd</sup> Annual Meeting. New Orleans, LA, USA. April 2005.
30. **Surgical Outcome in Patients with Non-Lesional Medically Refractory Epilepsy.** KN Fountas, JR Smith. AANS 73<sup>rd</sup> Annual Meeting. New Orleans, LA, USA. April 2005.
31. **Changes in Brainstem Auditory Evoked Potentials After Suboccipital Decompression in Arnold-Chiari Malformation.** C Troup, KN Fountas, B Fuhrmann, CH Feltes, VG Dimopoulos, I Chung, A Boev, D Wright, P Smothers. AANS 73<sup>rd</sup> Annual Meeting. New Orleans, LA, USA. April 2005.
32. **Normal Data for Quantitative Pupillometry in Children.** Won 2<sup>nd</sup> Prize for PEDS section. A Boev, I Karampelas, C Boev, KN Fountas, C Troup. AANS 73<sup>rd</sup> Annual Meeting. New Orleans, LA, USA. April 2005.
33. **C-Reactive Protein and Outcome in Spontaneous Subarachnoid Hemorrhage. Is There a Relationship?** KN Fountas, M Ajjan, M Kassam, T Machinis, VG Dimopoulos, CH Feltes, JS Robinson. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
34. **The Use of Non-Invasive Trans-Cranial Ultrasound Device in Patients Diagnosed with Brain Death.** KN Fountas, A Sitkauskas, VG Dimopoulos, T Machinis, CH Feltes, AA Grigorian, A Ragauskas, JS Robinson. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
35. **Intracranial Pulse Waves Measurement by Using Non-Invasive Method in Patients**

- with Severe Spinal Cord Injury.** Rocka S, Sitkauskas A, Jarzemas E, Feltes C, Fountas KN, Dimopoulos V, Raguaskas A, Daubaris G, Robinson JS. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
36. **Kyphoplasty in Acute Osteoporotic Vertebral Body Fractures with Immediate and Early Post Operative Pain Relief Despite No Significant Restoration of Vertebral Body Height.** CH Feltes, KN Fountas, LG Nikolakakos, T Machinis, VG Dimopoulos, R Davydov, I Karampelas, M Kassam, JS Robinson, KW Johnston. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
37. **Outcome Analysis of Patients with Intraventricular Hemorrhage Treated with Intraventricular Administration of rt-PA.** KN Fountas, EZ Kapsalaki, TG Machinis, HF Smisson, KW Johnston, JS Robinson. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
38. **Novel Closed-Loop Stimulation System in the Control of Focal Epilepsy.** KN Fountas, JR Smith, AM Murro, J Politsky, YD Park, JS Robinson, D Greene. 13<sup>th</sup> World Congress of Neurological Surgery. Marrakech, Morocco. June 2005.
39. **Short-term Outcome of Patients with Osteoporotic Vertebral Body Compression Fractures Treated with Kyphoplasty.** L Nikolakakos, KN Fountas, CH Feltes. 7<sup>th</sup> EFORT Meeting. Lisbon, Portugal. June 2005.
40. **Cervical Spine Measurements Using Myelography and CT Scan.** L Nikolakakos, KN Fountas, EZ Kapsalaki. 7<sup>th</sup> EFORT Meeting. Lisbon, Portugal. June 2005.
41. **Complications of Anterior Cervical Discectomy and Fusion; Lessons That Can Be Learned.** T Machinis, KN Fountas, E Kapsalaki, JS Robinson. 57<sup>th</sup> Annual Congress of the Scandinavian Neurosurgical Society. Oslo, Norway. June 2005.
42. **Lateralization of Affective Responses During Electrical Stimulation Mapping of Brain.** CL Clason, JR Smith, GP Lee, KN Fountas, PD Jenkins, Annual American Psychologist Association. Washington DC, USA. August 2005.

43. **Management of Drug Resistant Epilepsy by a Closed-Loop Stimulation System.** IZ Kapsalakis, KN Fountas, JR Smith, AM Murro, J Politsky, YD Park, PD Jenkins, D Greene, 9<sup>th</sup> Congress of European Federation of Neurological Societies. Athens, Greece. September 2005.
44. **Retrospective Analysis of Intraoperative Electrophysiologic Monitoring Findings in Patients Undergoing Anterior Cervical Discectomy and Fusion (ACDF).** V Dimopoulos, I Chung, KN Fountas, T Machinis, C Feltes, MA Kassam, JS Robinson, AA Grigorian. 55<sup>th</sup> Annual Congress of Neurological Surgeons. Boston, MA, USA. October 2005.
45. **VA Shunt Distal Catheter Placement Utilizing Real-Time Transesophageal Echocardiography (Oral Poster).** T Machinis, KN Fountas, JA Hudson, JS Robinson. 55<sup>th</sup> Annual Congress of Neurological Surgeons. Boston, MA, USA. October 2005.
46. **Consecutive Use of Brachytherapy (Gliasite) and Intratumoral Chemotherapy (Gliadel) for Recurrent Glioblastoma. A Phase I/II Study with Independent Clinical Review.** P Sampath, CE Weaver, L Anderson, JA Duncan, E Stopa, KN Fountas. 55<sup>th</sup> Annual Congress of Neurological Surgeons. Boston, MA, USA. October 2005.
47. **Abstinance of Economic Analysis in Neurosurgical Outcome Assessment.** JS Robinson III, C Sevin, JS Robinson Jr. GNS 2005 Fall Meeting. Atlanta, GA, USA. 2005.
48. **Closed-Loop Stimulation Implantable System for the Management of Focal, Medically Refractory Epilepsy: Implantation Technique and Preliminary Results.** KN Fountas, JR Smith, AM Murro, J Politsky, YD Park, PD Jenkins, D Greene. AES/ACNS Joint Meeting. Washington, DC, USA. December 2005.
49. **C-Reactive Protein as a Predictive Outcome Marker in Aneurysmal Subarachnoid Hemorrhage.** KN Fountas, TG Machinis, MA Kassam, V Dimopoulos, C Feltes, AA Grigorian, JS Robinson. 2006 AANS/CNS Cerebrovascular Section & ASITN Annual Meeting. Orlando, FL, USA. February 2006.
50. **Anterior Screw Stabilization for Surgical Management of Type II and Rostral Type III Acute Odontoid Fractures.** KN Fountas, TG Machinis, EZ Kapsalaki, LG Nikolakakos, CH Feltes, AA Grigorian, KW Johnston, JS Robinson, HF Smisson. EANS Winter Meeting.

Luxembourg. February 2006.

51. **Vertebral Artery Injury Diagnosed with Computed Tomographic Angiography in Patients Harboring Blunt Cervical Spine Trauma.** VG Dimopoulos, KN Fountas, TG Machinis, CH Feltes, JS Robinson, AA Grigorian. AANS/CNS Section on Disorders of the Spine. Orlando, FL, USA. March 2006.
52. **Pain Outcome and Vertebral Body Height Restoration in Patients Undergoing Kyphoplasty.** CH Feltes, KN Fountas, TG Machinis, VG Dimopoulos, MA Kassam, KW Johnston, JS Robinson. AANS/CNS Section on Disorders of the Spine. Orlando, FL, USA. March 2006.
53. **Outcome of Patients Undergoing Anterior Cervical Discectomy and Fusion Utilizing a Novel Cervical Plate.** KN Fountas, EZ Kapsalaki, LG Nikolakakos, TG Machinis, RR Liipfert, JS Robinson, Jr, HF Smisson. 2006 AANS Annual Meeting. San Francisco, CA, USA. April 2006.
54. **The Pearls and Pitfalls of Skull Trephination as Described by Hippocrates.** V Dimopoulos, K Fountas, C Feltes, MA Kassam, TG Machinis, JS Robinson Jr. 2006 AANS Annual Meeting. San Francisco, CA, USA. April 2006.
55. **The Description of Skull Shape and the Correlation with the Suture Configuration as Described by Vesalius.** VG Dimopoulos, KN Fountas, TG Machinis, JS Robinson Jr. 2006 AANS Annual Meeting. San Francisco, CA, USA. April 2006.
56. **Historic Evolution of Stereotactic Amygdalotomy.** KN Fountas, TG Machinis, JR Smith. 2006 AANS Annual Meeting. San Francisco, CA, USA. April 2006.
57. **The Role of Intra-Operative Micro-Doppler Ultrasound in Verifying the Proper Placement of Aneurysm Clipping.** KN Fountas, EZ Kapsalaki, CH Feltes, TG Machinis, AA Grigorian, JS Robinson Jr. 2006 AANS Annual Meeting. San Francisco, CA, USA. April 2006.
58. **Mesial Hemispherical Stimulation Induced Objective Vertigo: Implications for Localization of Vertiginous Epilepsy.** KN Fountas, JR Smith. 2006 ASSFN Biennial Meeting. Boston, MA, USA. June 2006.

59. **The Role of Magnesium Sulfate in the Treatment of Vasospasm in Patient's with Spontaneous Subarachnoid Hemorrhage.** K.N. Fountas, E. Kapasalaki, P. Machinis, J.S. Robinson III, C. Sevin, J. Robinson Jr. 9<sup>th</sup> International Conference on Cerebral Vasospasm. Istanbul, Turkey. June 2006.
60. **C-Reactive Protein Might Predict Outcome in Aneurysmal Subarachnoid Hemorrhage.** K.N. Fountas, J.S. Robinson III, E.Z. Kapsalaki, M.A. Kassam, C. Sevin, J.S. Robinson Jr. 9<sup>th</sup> International Conference on Cerebral Vasospasm. Istanbul, Turkey. June 2006.
61. **Long Term Outcome of Anterior Screw Stabilization for Surgical Management of Type II and Rostral Type III Acute Odontoid Fractures.** K.N. Fountas, E.Z. Kapsalaki, L.G. Nikolakakos, T.G. Machinis, A.A. Grigorian, K.W. Johnston, J.S. Robinson, H.F. Smisson. NASS 21<sup>st</sup> Annual Meeting. Seattle, WA, USA. August 2006.
62. **Anterior Cervical Discectomy and Fusion Associated Complications; Lessons That Can Be Learned.** K.N. Fountas, E.Z. Kapsalaki, L.G. Nikolakakos, T.G. Machinis, J.S. Robinson III, V.G. Dimopoulos, H.F. Smisson, J.S. Robinson Jr. North American Spine Society Annual Meeting. Seattle, WA, USA. September 2006.
63. **Anterior Cervical Discectomy and Fusion Outcome Utilizing A Novel Cervical Plate.** K.N. Fountas, E.Z. Kapsalaki, L.G. Nikolakakos, R.R. Liipfert, J.S. Robinson III, H.F. Smisson. Congress of Neurological Surgeons 56<sup>th</sup> Annual Meeting. Chicago, IL, USA. October 2006.
64. **Occurrence and Management of Anterior Cervical Discectomy and Fusion Associated Complications.** K.N. Fountas, E.Z. Kapsalaki, J.S. Robinson III, H.F. Smisson. Congress of Neurological Surgeons 56<sup>th</sup> Annual Meeting. Chicago, IL, USA. October 2006.
65. **The Role of Magnesium Sulfate in the Treatment of Vasospasm in Patient's with Spontaneous Subarachnoid Hemorrhage.** K.N. Fountas, E. Kapasalaki, P. Machinis, J.S. Robinson Jr. Macon Cardiovascular Institute Symposium. Macon, GA, USA. February, 2007.
66. **Neuropsychological Status and Overall Functional Capacity of Patients Undergoing Surgery for Cerebral Aneurysm. Apparent discrepancy between modified Rankin scale-based assessment and true psychological quality of living of these patients. I**

Karampelas, KN Fountas, T Fjordbak, CH Feltes, JS Robinson, AA Grigorian. Macon Cardiovascular Institute Symposium. Macon, GA, USA. February, 2007.

67. **High Prevalence of Opioid-Dependence Does Not Impact Length of Stay in Spine Surgery Patients.** MS Walid, M Ajjan, ACM Barth, MA Kassam, C.H. Feltes, LG Nikolakakos, KN Fountas, DC Parish, EO Richter, JS Robinson Jr. 2007 AANS Annual Meeting. Washington, DC, USA. April 14-19, 2007.
68. **Immediate Economic Outcome Analysis of Interspinous Process Decompression (IPD) and Single Level Lumbar Decompression for Spinal Stenosis.** MA Kassam, CH Feltes, LG Nikolakakos, MS Walid, ACM Barth, KN Fountas, EO Richter, AA Grigorian, HF Smisson, KW Johnston, JS Robinson Jr. 2007 AANS Annual Meeting. Washington, DC, USA. April 14-19, 2007.
69. **Absence of Economic Analysis in Neurosurgical Literature.** LG Nikolakakos, JS Robinson III, C Sevin, MA Kassam, CH Feltes, KN Fountas, EO Richter, JS Robinson Jr. 2007 AANS Annual Meeting. Washington, DC, USA. April 14-19, 2007.
70. **Economic Impact Model for the Development of a Statewide Trauma System in the USA.** CH Feltes, AI Escurra, MA Kassam, LG Nikolakakos, KN Fountas, MS Walid, ACM Barth, D Zhao, AJ Ulm, EO Richter, DA Ashley, AA Grigorian, EC Troup, HF Smisson, KW Johnston, JS Robinson Jr. 2007 AANS Annual Meeting. Washington, DC, USA. April 14-19, 2007.
71. **Patterns of Treatment and Outcomes at Late Life: Function of Ethnicity.** Hyer, L. American Association of Geriatric Psychiatry. New Orleans, LA, USA. March 3, 2007.
72. **Epilepsy: Resilience and management.** MCCG Epilepsy Conference. Macon, GA, USA. March 7, 2007.
73. **Apathy, Depression and Insight in Dementia.** Hyer, L. Annual Convention of the American Psychological Association, San Francisco, CA, August 17, 2007.
74. **Relationship among Impaired Facial Emotional Recognition, Prefrontal Cortical Dysfunction, and Aggression in a Sample of Clinic-Referred Children.** Annual

Convention of the American Psychological Association, San Francisco, CA, August 19, 2007.

75. **The role of endoscopic third ventriculostomy in the treatment of patients with normal pressure hydrocephalus.** Fountas KN, Robinson JS, Smisson HF, Kourtopoulos H Congress of Neurological Surgeons. San Diego, CA, USA. September 15-17, 2007.
76. **Prevalence of Opioid-dependence in spine neurosurgery patients and correlation with length of stay.** MS Walid, L Hyer, JS Robinson. Annual Convention of the American Psychological Association, San Francisco, CA, August 19, 2007.
77. **Predicting Opioid-Dependence Using Pain Intensity and Length of Pain Suffering in Pre-Spine-Surgery Patients.** MS Walid, L Hyer, JS Robinson. Congress of Neurological Surgeons. San Diego, CA, USA. September 15-17, 2007.
78. **Computational hemodynamics modeling and simulations in basilar aneurysm with endovascular coil embolization.** H Clemons, V Brooks, S Hyun, JS Robinson, J Ulm. Biomedical Engineering Society Annual Fall Meeting. Los Angeles, CA, USA. October 2007.
79. **Careers in clinical geropsychology.** Annual Convention of the American Psychological Association, San Francisco, CA, August 19, 2007.
80. **Deficits in facial emotion recognition are unrelated to aggressive, antisocial behavior in a clinical sample of children.** Annual Convention of the American Psychological Association, San Francisco, CA, August 19, 2007.
81. **Age in correlation to length of stay and Opioid dependence.** LA Hyer, MS Walid, JS Robinson. Annual Convention of the American Psychological Association, San Francisco, CA, August 19, 2007.
82. **Multimodality intraoperative neurophysiological monitoring (IONM) in intracranial aneurysm clipping.** I. Chung, PhD., DABNM, B. Fuhrmann, RN, CNIM, D. Zhao, MD., J. S. Robinson, MD., A. Grigorian, MD., PhD. EANS, Glasgow, Scotland, September, 2007
83. **The Role of Serum C-Reactive Protein (CRP) as an Outcome Predictive Marker in**

- Patients with Aneurysmal Subarachnoid Hemorrhage.** Kostas N. Fountas, Joe Sam Robinson, Arthur A. Grigorian, H. Kourtopoulos, EANS, Glasgow, Scotland, September, 2007.
84. **The Projected Economic Impact of a New Epilepsy Center.** GM Moriner, D Zhao, MR Toole, and EO Richter. American Epilepsy Society. November 2007.
85. **Isolated pontine sarcoidosis mimicking glioma: case report.** MS Walid, M Ajjan, CP Gallati, AA Grigorian, JS Robinson Jr. GNS, Atlanta, GA November 2007.
86. **Electrophysiological Analysis of Deep Brain Stimulation in Parkinson's Disease.** D Zhao, L Chung, ED Richter, L Hyer, JS Robinson. Neurophysiology Society to Savannah. September 2007.
87. **Pain-Personality-Opioid-Dependence Interaction in Elderly Pre-spine Surgery Patients.** LA Hyer, MS Walid, MR Toole, DM Darmohray. AAGP.
88. **Cognitive and Affective Effects of Neuromodulation on Quality of Life.** ED Richter, LA Hyer, A Brooks, Noorani, M Toole, JS Robinson. INS, Acapulco, Mexico, 2007.

#### **CLINICAL AND ACADEMIC ENDEAVORS**

1. Creation of the Multi-Disciplinary Clinic in partnership with Central Georgia Rehabilitation Services, opened March 30<sup>th</sup>, 2007
2. Dr. Erich Richter attended Spineology SKOUT and OLIF clinical trial preparation meeting, May 2007.
3. National Parkinson's Foundation Center of Excellence, (pending) June 05, 2007
4. Dr. Joe Sam Robinson Interviewed Don Faulk, MCGG's CEO and Dr. Dennis Ashley for FOX 5 our of Atlanta. "Grady Hospital's financial problems and Trauma Care Services and the future without funding.
5. Dr. Joe Sam Robinson was invited to the Aspen Institute in Aspen, CO to participate in a round table discussion of the "Justice and Society Seminar." July 20-26, 2007.

## **OFFICIAL INVITATIONS FOR PARTICIPATION IN INTERNATIONAL SCIENTIFIC MEETINGS**

1. Invited Guest Speaker in the Congress of Federation of Asian and Oceania Physiological Societies, Brisbane, Australia—Dr. Induk Chung, May 1998.
2. Dr. Arthur Grigorian, Co-chairman of a scientific session at the 5<sup>th</sup> Romanian Congress of Neurosurgery, Bucharest, Romania, May 2003.
3. Co-chairman of a scientific session at National Neurosurgical Meeting of Paraguay, Assuncion, Paraguay - Dr. Joe Sam Robinson Jr., September 2003.
4. Co-chairman of a scientific session at National Neurosurgical Meeting of Paraguay, Assuncion, Paraguay - Dr. Kostas N. Fountas, September 2003.
5. Invited Lecturer, Annual Romanian Epilepsy Surgery Meeting, Bucharest, Romania, Dr. Joe Sam Robinson, Jr., May 20-22, 2004
6. Invited Lecturer, Annual Romanian Epilepsy Surgery Meeting, Bucharest, Romania, Dr. Kostas N. Fountas, May 20-22, 2004
7. Invited Lecturers, Neurosurgical Grand Rounds and organizing epilepsy service at Moldavia National University, School of Medicine, Chisinaou, Moldavia Dr. Joe Sam Robinson and Dr. Kostas N. Fountas, May 2005
8. Invited Lecturers, 1<sup>st</sup> Paraguayan Congress of Neurology, Paraguay – Dr. Joe Sam Robinson, Dr. Carlos H. Feltes, October 2005
9. Dr. Robinson presented to the Harvard Business School, 2007.
10. Dr. Hyer has been offered to travel to Israel for two weeks to present in a cooperative grant presentation with UGA, 2007.

## **INVITED LECTURERS, STUDENTS, and INTERNATIONAL NEUROSURGEONS**

1. Arturas Sitkauskas, MD, Clinical Fellow, Lithuania
2. Leonidas Nikolakakos, MD, Clinical Fellow, Greece
3. Anna Mnatsakanyan, MD, Clinical Fellow, Armenia
4. Artashes Shiganyan, MD, Clinical Fellow, Armenia

5. Argine Azhtyan, MS, Elective Clerkship, Armenia
6. Anna Vawesyan, MS, Elective Clerkship, Armenia
7. Ruben FanarJyan, MD, Visiting Professor, Armenia
8. Prof. Vlad A. Ciurea, MD, Visiting Professor, Professor and Chairman of Neurosurgery, University of Bucharest, Bucharest, Romania
9. Prof. P.N. Soucacos, Visiting Professor, Professor and Chairman of Orthopedic Surgery, National and Capodistrian University, Athens, Greece
10. Walter van den Bergh, MD, Invited Lecturer, University of Utrecht, Utrecht, Netherlands
11. Marieke Wermer, MD, Invited Lecturer, University of Utrecht, Utrecht, Netherlands
12. Irene van der Schaaf, MD, Invited Lecturer, University of Utrecht, Utrecht, Netherlands
13. Ynte Ruigrok, MD, Invited Lecturer, University of Utrecht, Utrecht, Netherlands
14. Prof. Concezio Di Rocco, Distinguished Visiting Professor, Sacred Heart University, Rome, Italy
15. Dr. Edward Bagdashryan, MD, Visiting Physician, Armenia
16. Dr. Federico Di Rocco, MD, Visiting Physician, Italy
17. Dr. Fountas, MD, Invited Lecturer, Greece, May 20<sup>th</sup>, 2007
18. Neurosurgeon's from
19. Dr. Joseph Smith, Distinguished Visiting Professor, Medical College of Georgia, Augusta, GA
20. Dr. James Ecklund, Distinguished Visiting Professor, Walter Reed Hospital, Washington DC

21. Dr. John R. Vender, Visiting Professor, Medical College of Georgia, Augusta, GA
22. Dr. Barb, Distinguished Visiting Professor, University of Georgia, Athens, GA., 2006
23. Dr. Angel Valesquez, International visiting Neurosurgeon analyzing data in the newly created brain lab, Honduras, 2007.
24. Dr. Ling Kong, International Visiting Neurosurgeon analyzing smooth muscle tissue in brain lab, China, 2007
25. Chris Gallati, Mercer University School of Medicine, shadow volunteer with Dr. Ulm, Summer 2007
26. Dr. Antonio Russo, International Visiting Research Resident, Italy, 2007-2009
27. Dr. Erminia Albanese, International Visiting Research Resident, Italy, 2007-2009
28. Andrew Brooks, Mercer University undergraduate in the Department of Psychology, Internship July 2007 to April 2008.
29. Dana Darmhoray, Mercer University undergraduate in the Department of Psychology, Internship July 2007 to April 2008.
30. Armenian visiting neurosurgeons, Georgia Chaltikyan, Stepan Matosvan, Anna Khudaverdyan, Anna Adamyari, Rben Fanarjyan, Armen Harutyuryan.
31. Joshua Yelverton, Mercer University School of Medicine volunteer Fall 2007.

#### **AFFILIATIONS WITH OVERSEAS INSTITUTIONS**

1. Joint research in clinical projects with University of Ioannina School of Medicine, Department of Neurosurgery, Ioannina, Greece

2. Effect of 3% sodium chloride in patients w/severe closed head injury
3. Effect of 3% sodium chloride in patients w/spontaneous intracranial hemorrhage
4. Intraoperative EMG recurrent laryngeal nerve monitoring during ACD&F
5. Joint research in clinical projects with University of Bucharest of Romania School of Medicine, Department of Neurosurgery, Bucharest, Romania
6. Surgical treatment of CNS hydatid cyst
7. Joint research in clinical projects with University of Patras School of Medicine, Department of Neurosurgery, Patras, Greece
8. Effect of 3% sodium chloride in patients w/severe closed head injury
9. Effect of 3% sodium chloride in patients w/spontaneous intracranial hemorrhage
10. Intraoperative EMG recurrent laryngeal nerve monitoring during ACD&F
11. Joint research in clinical projects with University of Cislina School of Medicine, Department of Neurosurgery, Cislina, Moldavia
12. Effect of 3% sodium chloride in patients w/severe closed head injury
13. Effect of 3% sodium chloride in patients w/spontaneous intracranial hemorrhage
14. Official affiliation with the Armenian neurosurgical society
15. Cooperation Agreement with the National Institute of Health of Armenia
16. Research consortium with University of Utrecht (The Netherlands) and Stanford University (California, USA), Department of Neurosurgery

17. Magnesium in Aneurysmal Subarachnoid Hemorrhage (MASH) University of Utrecht
18. KN Fountas member of Steering/Writing Committee
19. Joint research project with Karolinska University, Stockholm, Sweden
20. Subarachnoid Hemorrhage-Animal Model
21. University of Athens, collaboration on “History of head injury in the Hippocratic Era”
22. GNI in collaboration with MUSM, and the Yerevan State Medical University have developed , integrated, and coordinated the program of education, research, and health services for the purpose of providing and maintaining better health in contemporary society. (2007)

#### **INVITATIONS TO LECTURE FOR RESIDENTS**

- Developing an epilepsy and functional neurosurgery program, Cisnau School of Medicine, department of Neurosurgery, Cisnau, Moldavia
- Advisory Board Member Invite, Atlanta, GA; “Evolution of Gliadel Wafer-Multimodal Strategies for Malignant Glioma Summit.”

#### **JOURNAL REVIEWERS**

- Dr. Joe Sam Robinson, Jr.-*Current Surgery*
- Dr. Kostas N. Fountas-*Epilepsia, Southern Medical Journal, Spine*

#### **CLINICAL TRIALS IN PROGRESS**

1. National registry of Gliosite newly diagnosed glioblastoma multiforme cases
2. Collaboration with University of Tennessee in Memphis, TN, on Gliosite of 3 or more supertentorial metastatic tumors

3. Collaboration with Brown University, Rhode Island, USA on concomitant use of Gliadel and Gliasite in recurrent GBM cases.
4. IEMG monitoring of recurrent laryngeal nerve during ACD&F
5. 3% sodium chloride administration in patients with severe closed head injuries.
6. 3% sodium chloride administration in patients with spontaneous intracerebral hemorrhage
7. Intravenous administration of magnesium sulfate in treatment of vasospasms in patients with spontaneous subarachnoid hemorrhage
8. Surgical treatment of patients with CNS hydatid cysts
9. GliaSite Radiation Therapy System, Kostas Fountas, Drew Cole, Medical Center of Central Georgia
10. Collaboration with University of Colorado, Center for Altitude Medicine and Physiology, Aurora, Colorado
11. Vittamed
12. MASH protocol
13. Normal Pressure Hydrocephalus, Dr. Richter, 2007-06-29
14. SKOUT, Spineoplasty v. Kyphoplasty OUTcomes) Trial, Dr. Richter, 2007
15. OLIF, Spineology OLIF (OptiMesh® for Lumbar Interbody Fusion (OLIF) Clinical Investigation, Dr. Richter, 2007
16. Gliasite, V GliaSite Radiation Therapy System Registry Protocol for the Treatment of Resectable Malignant Brain Tumors, Dr. Fountas and Dr. Richter , 2003 to present
17. KYOPHON, The SIFT trial – Sacral Insufficiency Fracture Trial, Dr. Richter, 2007

18. LUNESTA, Treatment of insomnia in patients with Parkinson's disease, Dr. Hyer, 2007

## GRANTS

1. **The effect of Magnesium Sulfate in reversing vasospasm in spontaneous subarachnoid hemorrhage.** Dr. Fountas, Dr. Joe Sam Robinson, 2006
2. **Selective brain cooling mechanism for cerebral hypothermia using virtual prototyping and in-vitro experiments.** Dr. Hyun, Dr. Joe Sam Robinson, Dr. Valid, & Dr. Brien, \$5,000, MedCen grant awarded 2006. Completed 2007.
3. **Augmenting Vagal Nerve Stimulation: TAU, HRV, and ENSAM.** Hyer, L., Richter, E., Troop, C., Toole, M. Medtronics, (grant pending-2007)
4. **PNES Versus Epilepsy: Psychometric Features.** Hyer, L., Zhao, D., Richter, E., Medcen Grant at CentralGeorgia Health Systems. (grant pending-2007)
5. **Interaction of Activity, Mood and Cognition in Older Adults.** Hyer, L. Intrieri, R. & Intrieri, P., Medcen Grant at Central Georgia Health Systems (grant pending-2007)
6. **Daily life in the CCRC: Behavioral, Physiological and Psychological correlates of activities.** Dr. Hyer. \$20,000, MedCen Grant at Central Georgia Health Systems (grant pending -2007)
7. **Cognitive effects of VNS, DBS, and Spinal Cord Stimulation.** Dr. Richter, Dr. Hyer, & Sarah Noorani, \$20,000, MedCen Grant at Central Georgia Health Systems (grant pending -2007)
8. **Activation of NF-KB in human cerebral aneurysmal smooth muscle cells.** Dr. Ulm & Dr. Wang. \$20,000, MedCen Grant at Central Georgia Health Systems (grant pending -2007)
9. **Patient-Specific Risk Assessment for Cerebral Aneurysm Rupture and Re-growth.** Dr. Ulm & Dr. Hyun, \$20,000, MedCen Grant at Central Georgia Health Systems (grant pending -2007)

10. **A Double-Blind, Placebo-Controlled Trial Of Ramelteon For Sleep, Frontal Neuropsychiatric And Cognitive Conditions, And Neuroprotection In Dementia.**  
Investigator initiated protocol, Lauterbach EC, Shillcutt SD, Hyer LA, (\$199,800 – pending – 2007)
11. **NIMH- Description: To investigate the augmenting value of memory retraining to standard cognitive enhancing drugs.** We have applied for five MedCen grants in order to bolster these efforts, Dr. Hyer, 2007, \$700,000
12. **UGA – To further educate family physicians about neurology practices and protocols,** Dr. Hyer, 2007, \$500,000
13. **A Double Blind, Placebo-Controlled Trial Of Ramelteon For Excessive Daytime Sleepiness, Sundowning, Frontal Neuropsychiatric And Cognitive Conditions, And Neuroprotection In Non-Synucleinopathic Dementias.** Lauterbach EC, Shillcutt SD, Hyer LA, Doonan S. Investigator initiated protocol, April 27, 2007. Takeda \$199,360.

#### Awards

1. Dr. Kim Johnston received Second Place Poster Presentation in the 1991 AANS Annual Meeting, New Orleans, LA.
2. Dr. Kim Johnston received the Continuing Education Award in Neurosurgery from January 1990 to January 1992.
3. Dr. Lee Hyer received the Veterans Administration Mental Health Director's Award - 1993 Veterans Administration Superior Performance Awards (ten times since 1983).
4. Dr. Arthur Ulm was awarded First place presentation in the Neurosurgery 2003 symposium, University of Florida.
5. Normal Data for Quantitative Pupillometry in Children. AANS Annual Meeting, New Orleans, Louisiana, April 2005. Awarded 2<sup>nd</sup> prize for PEDS Section. A Boev, I Karampelas, C Boev, KN Fountas, EC Troup.

6. Dr. Joe Sam Robinson was recently appointed to the Georgia Trauma Care Network Commission for 2007. It is a four year honorary position.
7. Dr. Lee Hyer was awarded a division 12 award from the American Psychological Association for Mentor of the Year, 2007.
8. Gayle Moriner, EEG Tech, was invited to be an examiner for ABRET: American Board of Registration of Electroencephalographic and Evoked Potential Technologists and she helped write the 2008 Long Term Monitoring Exam.
9. Dr. Grigorian nominated to be a Member of the Executive Board of EANS, 2007.