Curriculum Vitae 2011

| Born Gender Family Status | January 12, 1953 Male Married – Three children | |
|---------------------------------|---|--------------------------|
| College Education | American University of Beirut, Lebanon Bachelor Science (BS) American University of Beirut, Lebanon Medical Doctor (MD) American university of Beirut, Lebanon | 1971-1974 1974-1978 |
| | Master Sciences (MS) | 1986 |
| Graduate Training | Resident (General Surger6y) American University Hospital Beirut, Lebanon | 1978-1981 |
| | Internship (General Surgery) SUNY Health Science Center Syracuse, NY | 1981-1982 |
| | Resident (Neurosurgery) SUNY Health Science Center Syracuse, NY | 1982-1988 |
| | Fellowship in Stereotactic, Functional And Gamma Knife Radiosurgery University of Pittsburgh, PA Masters in Business Administration University of Massachusetts | 1999 |
| | At Amherst, MA | 2009 |
| Professional Appointments | Humana Hospital Clinch Valley Richlands, VA Active Staff, Neurosurgeon | 1988-1992 |
| | Wm. W. Backus Hospital Norwich, CT | 1992-present |
| | Senior Staff Neurosurgeon Head, Neurosurgery Division Lawrence & Memorial Hospital New London, CT | 1998-2000 & 2005-2007 |
| | Consultant/Neurosurgeon Visiting Neurosurgeon Aramco Hospital Saudi Arabia | 1995-2010 1990 |

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| | 2011 | |
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| Professional Organization Memberships | Virginia State medical Society | 1988-1992 |
| | Connecticut State Medical Society | 1992-present |
| | New London County Medical society | 1992-present |
| | American Association of Neurological Surgeons | 1992-present |
| | North American Spine Society | 1996-present |
| <u>Honors</u> | Senior High School French Baccalaureate Diploma With Distinction French Lyceum Beirut, Lebanon | 1971 |
| | Dean's Honor List American University of Beirut Beirut, Lebanon | 1971-1973 |
| | Listed in Top Docs – Surgeons Connecticut Magazine | April, 2007 April, 2009 April, 2010 April, 2011 |
| Licensure & Exams Passed | ECFMG #289-651-5 Lebanese Medical Association #187 | 1978 1980 |
| | VISA qualifying Exam | 1700 |
| | Part I | 1979 |
| | Part II | 1978 |
| | American Board of Neurosurgery | 1991 |
| | Connecticut State License #032052 | 1991 |
| Grants | Title: | |
| | Central Nervous System Regeneration of Nerve Grafts | |
| | Agency: | |
| | Spinal Cord Research Foundation | |

Spinal Cord Research Foundation Paralyzed Veterans of America

Year: 1984-1985

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Honorary Appointments

Head Injury Rehabilitation Advisory Board Southern Hills Regional Rehabilitation Hospital

Princeton, WV

1992

Advisory Board Rhone-Poulenc-Rorer Neuro Oncology Division

Gliadel Wafer (High Grade Glioma) Meeting

New York City, NY

1998

PRESENTATIONS

- (With Dum RP) Characteristics of CNS Axonal Regeneration into Sciatic Nerve Implants in Rats. Presented at Neuroscience Meeting. Anaheim, CA October 1984
- Hypervolemic Treatment for Vasospasm, Presented at the American Association Of Neuroscience Nurses Meeting, Syracuse, NY May 1988
- 3. Athletic Injuries of the Head and Neck. Ledyard, CT April 1996
- 4. Sextant Instrumentation in the 360-degree Lumbar Fusion, Syracuse, NY June 2005

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- 1. (With Haddad FS, Jabbur S, Saade N, Banna N) Anti-tremorigenic and Antispastic Action of Clonazepam with and without Vitamin B6. poster at the VII LAAS Meeting, Beirut, Lebanon. April 1981.
- 2. (With Banna N, Saade N, Jabbur S) Enhancement by Pyridoxine of the Action of Diazepam on Spinal Presynaptic Inhibition. Experientia 37; 83-84. 1981.
- 3. (With Dum RP) Central Nervous System Axonal Regeneration into Rat Sciatic Nerve Grafts: Physiologic Properties of Grafts and Hostological Findings in the Neuraxis. Poster at the American Association of Neurological Surgeons Meeting. San Francisco, CA. April 1984.
- 4, (With Dum RP) Central Nervous System Axonal Regeneration into Rat Sciatic Nerve Grafts: Physiologic Properties of Grafts and Histological Findings in the Neuraxis. **Experimental Neurology 90:** 233-340. 1985. Also M.S. Thesis, 1986.
- 5. (With Dam RP) Growth of CNS Axons Through Peripheral Nerve Implants in the Cat. Poster at Neuroscience Meeting, Anaheim, CA. October 1984.
- 6. (With Dum RP) Growth of Medial Forebrain Bundle Axons Into Peripheral Nerve Grafts in the Rat. Poster at Neuroscience Meeting. Dallas, TX. October 1985.
- 7. (With Dum) Growth of Medical Forebrain Bundle Axons Into Peripheral Nerve Grafts in the Rat. **Brain Research 372:** 198-203. 1986
- 8. (With Hodge CJ) Infra-arterial Digital Subtraction Angiography (IA-DSA): Intraoperative Applications in Neurovascular Surgery. Poster at the American Association of Neurological Surgeons Meeting. Denver, CO. April 1986.

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- (With Hodge CJ, Cacayorin E) Evaluation of Carotid Endarterectomy (CEA) with 9. Intraoperative Digital Subtraction Angiography (IO-DSA). Poster at the Congress of Neurological Surgeons Meeting. Seattle, WA. September 1988.
- (With Bohmen N.I. Rapp T, Brandfass PT) New Trends in the Management of Parkinson's Disease: Medication, Surgery & Rehabilitation. Submitted for publication.
- (With Maesawa, Satoshi M.D., Flickinger, John C., M.D., Pirris, Stephen B.S., 11. Kondziolka, Douglas, M.D., & Lunsford, L. Dade, M.D.) Clinical Outcomes After Stereotactic Radiosurgery for Idiopathic Trigeminal Neuralgia. J Neurosurg 94: 14-20, January 2001.

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