# MITCHELL EDWARD LEVINE, MD

Office Address: Department of Neurosurgery, North Shore – LIJ Health System
900 Northern Blvd., Great Neck, New York 11021
306 Broadway, Lynbrook, NY 11563

Email: mlevine@nshs.edu

Office Phone: 516 773 7737

## EDUCATION

| | | |
|---|---|---|
| BS with Honors | State University of New York at Stony Brook | 1972 |
| MD | The Mount Sinai School of Medicine, New York | 1977 |
| Internship | The Mount Sinai Hospital, New York | 1977-8 |
| Neurosurgical Resident | The Mount Sinai Hospital, New York | 1978-82 |
| Neurotrauma Fellow- NIH | Medical College of Virginia, Richmond, VA | 1980 |
| Chief Resident Neurosurgery | The Mount Sinai Hospital, New York | 1982-83 |

## HONORS

Resident Award New York Neurosurgical Society 1981

Listing in New York Magazine "Best Doctors" , Newsday Long Island
"Top Doctors on Long Island", Castle Connoly Guide

## HOSPITAL APPOINTMENTS

Director, Division of Spinal Neurosurgery, North Shore- LIJ Health System
2006- Present

Director, Division of Neurosurgery, The New York Hospital Queens, 1986- 2006

Director, Division of Neurosurgery, Peninsula Hospital, 1983- Present

Director, Division of Neurosurgery, St. John's Episcopal Hospital, 1983-Present

Attending Neurosurgeon, The Mount Sinai Hospital, New York, 1983-1996

**LICENSE**

New York State

**BOARD CERTIFICATION**

American Board of Neurological Surgeons

**CLINICAL INTERESTS**

Minimally Invasive Spine Surgery

Cerebrovascular Surgery

Radiosurgery

Brain Tumor Surgery

**RESEARCH INTERESTS**

Clinical Director, Biomechanics and Bioengineering Laboratory, Feinstein Institute, Department of Neurosurgery, Cushing Neuroscience Institute

Biological Mechanics

Tissue engineering

Disc Nucleus Prosthesis

## PROFESSIONAL SOCIETIES

American Association of Neurological Surgeons

Society for Neuro-Oncology

## PRESENTATIONS AND PUBLICATIONS

Select Presentations:

Percutaneous Radiofrequency Rhizotomy Treatment of Trigeminal Neuralgia, Syosset Hospital 2008

Minimally Invasive Spine Surgery, Southside Hospital, 2007

New Approaches to Spine Surgery, North Shore University Hospital, 2007

Leonardo's Neuroanatomy, Nassau Surgical Society Annual Meeting, 2005

Gamma Knife Radiosurgery in the Management of Multiple Brain Metastases, Italian Society for Neuro-oncolgy Conference, Ancona, Italy 2003

Percutaneous Spine Fusion Techniques, Medtronic, Milan, Italy 2003

Advanced Minimally Invasive Spine Surgery, Neurosurgery Grand Rounds, Ancona, Italy 2002

Recent Advances in Spinal Neurosurgery, Medical Grand Rounds, New York Hospital Queens, 2002

Current Management of Malignant Brain Tumors, Neurology Grand Rounds, North Shore University Hospital, 2002

Brachytherapy Treatment of Recurrent Glioblastoma, Long Beach Hospital Grand Rounds, 2002

A Phase I Trial of High Dose Interstitial P-32 Brachytherapy in the Treatment of Recurrent Glioblastoma, Society for Neuro-Oncolgy Annual Meeting, Chicago 2000

Far Lateral Disc Herniations, A New Classification and Surgical Management, Department of Neurological Surgery Grand Rounds, Mount Sinai Hospital, 1994

Combined Anterior-Posterior Radical Resection of Spinal Metastases, AANS/CNS Joint Section on Spine and Peripheral Nerves Annual Meeting, Tucson, Arizona 1994

Temporary Proximal Vessel Occlusion During Anterior Circulation Aneurysm Clipping, Invited Speaker, Congress of Neurological Surgeons Annual Meeting, Los Angeles 1990

360 Degree Lumbar Fusion With Minimally Invasive Surgical Technique: Results in 100 Cases, Poster Presentation, AANS/CNS Joint Section on Spine and Peripheral Nerves Annual Meeting, Orlando 2006

**PUBLICATIONS**

Drapkin,A.J., Levine, M.E., Yang, W..L.: "Ventriculo-Subgaleal Shunt: Evaluation by Computed Tomography," Acta. Neurochir, 55: 107-115, 1980

Levine, M.E., Carlton, S.M., Becker, D.P., et al: "The Effect of Changing Arterial CO2 Tension on the Firing Rate of Neurons in the Region of the Locus Coeruleus in the Cat," J. Cereb. Blood Flow Metab, 1: 8297-298, 1981

Levine, M.E., Carlton, S.M., Becker, D.P., et al: "CO2 Sensitive Neurons in the Cat Pontine Reticular Formation," Soc. Neurosci. Abs., 7:941, 1981

Hollin, S.A., Levine , M.E., Sukoff, M. H., et al: "Neurological Complications of Hyperbaric Oxygen Therapy," in Silverstein, A., (Ed), Neurological Complications of Therapy, pp. 425-463 Futura 1982

Levine, M.E., Carlton, S.M., Becker, D.P., et al: "Encoding of Arterial CO2 Tensions by Neurons in the Region of the Locus Coeruleus in the Cat," in Heistad, D.D. and Marcus, M.L.(Eds) , Cerebral Blood Flow pp. 503-508, Elsevier, New York 1982

Levine, M.E., DeWitt, D.S., Becker, D.P., et al: "A New Technique for the Measurement of Cerebral Blood Volume Using 3mu Micospheres," in Go, K. (Ed), Brain Edema, Elsevier, New York, 1984

Levine, M.E., Spiegelman, M.K., Zapulla, R.A.: “Anatomical Studies of Blood Brain Barrier Disruption Following Intracarotid Bile Salt Infusion,” in Ishii, S. and Nagal, H. (Eds), Intracranial Pressure V, Springer-Verlag, 1983

Rosenblum, B.R., Overby, M. C., Levine, M.E., et al, “Monostotic Fibrous Dysplasia of the Thoracic Spine, “ Spine, 12: (9), 939-942, 1987

Grabel, J.C., Levine, M.E., Hollis, P.H., et al: “Moyamoya-Like Disease Associated with Lenticulostriate Region Aneurysms,” J. Neurosurgery, 70:802-803, 1989

Dickerman R.D., Overby C., Eisenberg, M.E., Hollis, P, Levine, M.E., “The Steroid Responsive Hiccup Reflex Arc , Competitive binding to the Corticosteroid Receptor?”, Neuroendocrinology Letters, 24 : 59-60 , 2003