

# Zvi Rappaport

## EDUCATION

1967 – 1969 Philosophy-Physics, Columbia University, New York, USA BA degree

1969 – 1973 Medicine, University of Pennsylvania, Philadelphia, PA, USA. MD degree

## FURTHER STUDIES

1973 – 1974 Fellowship, Surgery, Columbia University, Presbyterian Medical Center, New York,.

1974 -1978 Residency in Neurosurgery, N.Y.U. Medical Center, New York, USA (J. Ransohoff).

1979 Fellowship, Physiological Neurosurgery, Westchester Co. Medical Center, Valhalla, NY, USA (IS Cooper).

1979 -80 Microsurgery, Kantonspital Zurich, Switzerland (G. Yasergil).

Functional neurosurgery, Karolinska Institutet, Stockholm, Sweden (B. Meyerson).

Stereotactic neurosurgery, Madras Institute of Neurology

Madras, India (Prof. Balasubramanian).

Epilepsy surgery, Hopital St. Anne, Paris, France (Prof. Bancaud).

1982 Stereotactic workshop, Karolinska Institutet, Stockholm, Sweden (O. Backlund).

1988 Pituitary microsurgery, Columbia-Presbyterian Med. Center, New York, USA (K. Post).

1990 Stereotactic workshop, Henry Ford Hospital, Detroit, USA (M. Dujovny).

1990 Surgery of the cavernous sinus, practical course, Goodyear Microsurgery Laboratory,

## **Los Angeles, USA.**

1991 Advanced Trauma Life Support (ATLS) Course, American College of Surgeons,

Tel Hashomer, Israel.

1992 Acoustic neuroma surgery, practical course,

Congress of Neurological Surgery, Washington, DC, U.S.A.

1993 Epilepsy surgery, Neurochirurgische Uni-Klinik, Bonn, Germany (J. Schramm)

Use of the high speed drill, Bogenhausen Hospital, Munich, Germany.

1995 Lateral skull base exposures, practical course, Goodyear Microsurgery Laboratory,

## **Orlando, USA.**

1996 Anterior and posterior skull base approaches, practical course,

American Association of Neurosurgery, Minneapolis, U.S.A.

1996 Study visit, Department of Neurosurgery, Ljubljana University Hospital, Slovenia

## **(V. Dolenc)**

1997 Deep brain stimulation for movement disorders, Grenoble University Hospital, France

## **(A. Benabid).**

1997 Image-guided neurosurgery, Frenchay Hospital, Bristol, England (D. Sandeman).

1997 Image-guided neurosurgery, Mainz University Hospital, Germany (A. Perneczky).

1997 Study visit, National Institute of Neurosurgery, Budapest, Hungary (J. Vajda).

1997 Image-guided neurosurgery, Mannheim University Hospital, Germany (P. Schmiedek)

1998 Neuroendoscopy Training Course , Mainz University Hospital, Germany (A. Perneczky)

1999 Deep brain stimulation for movement disorders, Roselare Hospital, Belgium

1999 Lateral skull base approaches, practical course, Congress of Neurological Surgery,

### **Boston, U.S.A.**

2000 Advanced applications of image-guided neurosurgery, Sofamor Danek, Naples, USA

2003 Workshop: Advanced techniques in image guided surgery Lausanne, Switzerland

2004 Dept. of Neurosurgery, Mt. Sinai Medical Center, New York (K. Post)

2006 GCP Course and Certification for Clinical Research Investigators, Rosh HaAyin, Israel

2008 Advanced drilling techniques in pneumatic and electrical instrumentation of Medtronic

powered surgical solutions, Lausanne, Switzerland.

2010 Optimized resection of gliomas- A practical course, Duesseldorf, Germany.

### **ACADEMIC EXPERIENCE**

1974 – 1978 Residency, Neurosurgery, NYU Medical Center, New York, USA.

1978- 1979 Assistant Professor, Neurosurgery, NYU Medical School, New York, USA.

1980 – 1983 Affiliated Lecturer, Neurosurgery, Tel Aviv University, Sheba Medical Center Schools

of Medicine, Nursing and Physiotherapy, Tel Hashomer, Israel.

1985 – 1990 Senior Lecturer, Neurosurgery, Hebrew University, School of Medicine, Hadassah

Hospital, Jerusalem, Israel

1991- Clinical Associate Professor , Neurosurgery,

Sackler School of Medicine, Tel Aviv University, Israel

1993 Visiting Professor, Neurosurgical University Clinic, Erlangen, Germany.

1996 Visiting Professor, Division of Pediatric Neurosurgery, NYU Medical Center, USA.

1998 Visiting Professor, Institute of Neurology & Neurosurgery, Beth Israel University

**Hospital, New York, USA**

## **CLINICAL EXPERIENCE**

1980 – 1983 Senior physician, Neurosurgery, Sheba Medical Center, Tel Hashomer, Israel.

1983 – 1989 Tenured senior physician, Neurosurgery, Hadassah University Hospital, Jerusalem,

1986 Acting Chairman, Neurosurgery, Hadassah University Hospital, Jerusalem, Israel.

1989- Chairman, Neurosurgery, Rabin Medical Center & Schneider Children's Hospital,

**Petah Tiqva, Israel.**

1998- Coordinator, Neurosurgical Services, Herzliya Medical Center, Israel.

## **ACADEMIC AND PROFESSIONAL AWARDS**

### **Prizes**

1968 Dean's List, Columbia University, New York.

1973 Pennsylvania Heart Association, Undergraduate Research Prize.

1989- Listing in Who's Who in the World

1993- Honorary Vice-president, World Federation of Neurosurgery, X Intl. Congress of

Neurosurgery, Acapulco, Mexico.

1999- Outstanding Teacher Award, International Postgraduate Training Program in Medicine,

University of Tel-Aviv School of Medicine.

### **Diplomas**

1.7.1974 Diplomat of the National Board of Medical Examiners, USA.

6.6.1975 Medical License, State of New York (123880).

10.4.1980 Medical License, Israel, (17703).

5.5.1982 Specialist Certification, American Board of Neurological Surgery

5.5.1982 Neurosurgical Specialist Certification, Israel (7331).

12/2006 Association of Clinical Research Professionals GCP course ID 180270

### **Grants and Research Studies**

1983-84 Joint Research Fund of Hebrew University & Hadassah

Analysis of first and second pain correlated in the cerebral evoked potentials under selective blocks of peripheral sensory inputs in humans.

1987-8 Joint Research Fund of Hebrew University & Hadassah.

1. Experimental brain abscess in a guinea pig model.

2. Hypercoagulability in neurosurgical patients with primary brain tumor.

1994-5 CIBA-Geigy, Effect of Sofitel on severe head injury, multicenter clinical trial.

1995 Israel Cancer Society, Cytogenetic and molecular differences between radiation induced and

spontaneous meningiomas.

1996 Chief Scientists Grant– Israel Ministry of Health,

The effect of sympathectomy on neuropathic pain. An experimental model.

1997 Rhone-Poulenc-Rorer, Phase III study of Gliadel wafer tumor bed chemotherapy implantation

for primary malignant gliomas, Multicenter international study.

1999 Pharmos Corp. Study of Dexanabinol for brain protection in severe brain injury, Phase II

2001 Proneuron- Activated macrophage injection into injured spinal cord patients. Phase I study.

2004 Antisense Pharma- Antisense TGF convection therapy for recurrent malignant gliomas.

### **Phase III study.**

2004 Neopharm- Convection enhanced delivery of IL-13 Pseudomonas toxin to malignant gliomas

at first recurrence. Phase III.

2004 Herpes Simplex virus-thymidine kinase gene therapy with subsequent ganciclovir in operable

high-grade gliomas. Phase III.

2004 Actelion- Endothelin inhibitor in the prevention of vasospasm following aneurysmal

subarachnoid hemorrhage.

2005 Non-invasive ICP measurement in benign intracranial hypertension.

2005 Ark Therapeutics- Genetically modified thymidine cyclase herpes simplex virus

tumor bed injections in primary glioblastomas followed by IV gancyclovir.

**Phase III, open label.**

2009-10 Solvay- Study of SL-\* for brain protection in severe head trauma.

2010 Intl. Cooperative study on the effect of progesterone in severe head injury.

2010 Intl. Study on the effect of Omirex biological glue on the prevention of CSF leak.

Editorial and review appointments

Referee for Journals Pain, Surgical Neurology, Israel Journal of Medical Sciences, Harefuah.

Review Panel, Acta Neurochirurgica

Senior Editor, Neurosurgery 96, A Manual of Neurosurgery, by the European Assoc. of Neurosurgery.

Editorial Board, The Journal of Radiosurgery

Advisory Board, Journal of Neurological Sciences

Research Grant Reviewer for: Chief Scientist's Office, Israel Ministry of Health,

Israel -USA Binational Research Foundation

German-Israeli Foundation for Scientific Research & Development

**Positions**

1984-86 Secretary of the Israeli Neurosurgical Society.

1985-97 Delegate to the World and European Federations of Neurosurgery, Executive Committee.

1987 Israeli Ministry of Health Ad hoc committee on national neurosurgical needs and long

range planning.

1982-90 Congress of Neurological Surgeons, International Committee.

1989-90 Israeli Ministry of Health Committee on Standardization of Operating Room Procedures

to Minimize Infection Rates.

1989-95 European Association of Neurosurgery, Training Committee.

1985-97 Member, Executive Committee, Israel Surgical Society.

1987-91 European Association of Neurosurgeons, Materials and Equipment Committee.

1987-91 World Federation of Neurosurgical Societies, Committee on Material and Devices.

1991-95 European Association of Neurosurgery, Ethico-Legal Committee

1992- International Board of Governors Member, Bio-Technical Institute of Israel.

1992-7 President of the Israeli Neurosurgical Society

1992-3 Joint Medical Schools Syllabus Committee for Surgery

1994-7 Treasurer, Israel Society of Surgery.

1994- Board of Governors, Ramat-Gan Alzheimer's Disease Treatment and Research Foundation.

1994- Israel Ministry of Health, National Subcommittee on Neurosurgery.

1995- Israel Ministry of Health, Emergency Preparedness Committee.

1995-7 World Federation of Neurosurgery, Liason and Public Relations Committee.

1997- World Federation of Neurosurgery, Audit Committee.

1997-9 Israel Society of Surgery, Ethics and Auditing Committee

1997- Israel Ministry of Health, Appeal Board for Patient Treatment Rights

1997- Board of Directors, Inta-Medics, medical equipment development company.

2002- Helsinki Committee Member, Herzliya Medical Center.

2003 – Medical Board, Davidoff Oncology Center, Rabin Medical Center, Petah Tiqva, Israel

2004- Chairman of the Membership Committee, Academia Eurasiana Neurochirurgica

### **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

1982 Congress of Neurological Surgery, USA

1982 Israel Neurosurgical Association

1982 Israel Surgical Society

1982 European Association of Neurosurgeons

1984 American Association of Neurosurgeons

1984 International Society for the Study of Pain.

1985 World Federation of Neurosurgical Societies.

1989 Joint Section on tumors AANS/CNS, USA.

1989 World Society for Stereotactic and Functional Neurosurgery.

1995 European Association of Pediatric Neurosurgery.

1997 Academia Eurasiana Neurochirurgica.

2006 Association of Clinical Research Professionals (ID 180270)