



Dr. Ashkenazi Ely

Position: Deputy Director of the Israeli Center for Spine Surgery

Specialization:

- Spinal atrophy, bruises and fractures
- Benign and malignant tumors of the spine
- Birth defects of the spine, herniated discs, spinal stenosis and spinal infections
- Surgical treatment of scoliosis in children and adolescents
- Surgical treatment of primary and secondary tumors of the spine
- Operative intervention in spinal atrophy
- Front and rear fixation of the spine
- Operative treatment of a herniated disc in both minimally invasive and traditional method

Key Areas of Expertise:

- surgical treatment of degenerative disc disease
- spine curvature correction
- surgery of the cervical spine
- intervertebral disc replacement
- minimally invasive spinal surgery
- endoscopic spinal surgery
- surgical treatment of tumors of the spine
- recurrent back surgery
- treatment of fractures of the spine
- nonsurgical treatment of pain in the spine

SCHOOL EDUCATION

1962-1968 Beith Hakerem Public School

1968-1974 Hebrew University High School, Jerusalem.

UNIVERSITY EDUCATION

1974-1980 Medical Faculty of the Hebrew University, The Medical School of the Hadassah University Hospital, Jerusalem, ISRAEL

1978, 1979 scholarships for high achievements.

12/80 - 12/81 Rotating Internship - Hadassah University Hospital.

12/81 Graduated Medical Faculty - cum laude.

MILITARY SERVICE

1982 - 1992 Lieutenant Colonel, medical officer, Israeli defense forces (I.D.F).

9/90 - 12/90 I.D.F command and staff academy. Graduated- cum laude.

12/90 - 2/92 Medical officer of the West-Bank division, I.D.F.

2/94 - 2000 Advanced Trauma Life Support (A.T.L.S) instructor in the I.D.F Military Medical school.

POST GRADUATE

10/86 - 5/94 Hebrew University and Hadassah Medical School, residency in Neurosurgery.

10/86 - 2/94 Neurosurgical residence under Prof. M Shalit.

4/89 **Instructor** - Hebrew University, Hadassah Medical School.

1991 Awarded of the Joint Hebrew University - Hadassah University Hospital Grant, "The effect of biological glue on rats brain".

10/90 - 2/92 Active service in the I.D.F as medical officer of the west-bank division. Military rank - Lieutenant Colonel .

4/92 **Lecturer** - Hebrew University, Hadassah Medical School.

- 1/7 - 31/12/93 Basic science in the Surgical research laboratory: "The effect of resuscitative moderate hypothermia and medication following epidural brain compression on cerebral damage in a canine outcome model".
- 1.11.95 - 31.10.97 Clinical Spine fellowship in Montefiore Medical Center - The Albert Einstein College of Medicine of Yeshiva University, New-York, USA.
- 5/94 – 5/2000 Attending Neurosurgeon (license no. 13777), Hadassah University Hospital.
- 5/00 – present Israel Spine Center, Assuta Hospital, Tel-Aviv, Israel.
- 2005-2007 Advisor of Disc-O-tech company. lecturer and operation demonstrator for the B- Twin, Sky & Confidence systems. Demonstrating operations in China. Brazil, South Korea, Greece. Canary Islands.
- 2007- 2009 Advisory board Spine Vision company – France.
- 2007 – 2009 Advisory board Vertiflex company, Ca, USA.
- 2008 - current Advisory board LFC Sp zoo company, Zielona Gora, Poland.
- 2009 - current Consultant & surgical instructor Alphatec Spine, CA, USA.

FORMAL COURSES

- 10-16/9/88 EANS (European association of Neurosurgical societies) course on infratentorial tumors. Amsterdam, the Netherlands.
- 2-8/9/89 EANS course on trauma. Rostock, FDR.
- 24-30/8/91 EANS course on spinal surgery. Zaragosa, SPAIN.
- 9-14/9/92 EANS course on vascular surgery. Jerusalem, ISRAEL.
- 30/3 - 1/4/93 A.O. course on spinal stabilization and instrumentation in Tel-Aviv, ISRAEL.
- 11-17/9/93 EANS course on supratentorial tumors. Bruges, BELGIUM.
- 14-17/2/94 A.T.L.S (Advanced Trauma Life support) Instructors course, Jerusalem, ISRAEL.

- 21-24/2/94 Cervical spine stabilization and micro-lumbar disectomy course by W. Caspar, Hamburg-Saar, GERMANY.
- 22-24/3/96 Basic Isola Spinal instrumentation course by Marc Asher, Kansas City, Kansas, USA.
- 6-7/12/96 The Ray threaded fusion cage, training program, by Charles Ray. Palm Beach, FL, USA.
- 8/3/97 Micro endoscopic disectomy system, training program, by M. Smith of the Sofamor Danek company, Manhattan, NY, USA.
- 31/5/97 The BAK lumbar interbody fusion system course, Manhattan, NY, USA.
- 7-10/10/1999 Endoscopic & Minimal Invasive spine surgery course. Bordeaux, France.
- 9-12/3/2000 Brain & spine Computed Navigation hands on courses. Napels, Florida, USA.

Type of surgeries :

More than 30 years of experience during which he performed more than 4,600 surgeries, including:

- Cervical Disectomy
- Lumbar Disectomy
- Fixation of vertebrae
- Scoliosis surgery
- Spinal Tumorectomy
- Extraction of implants from spine
- Neck, Thoracic and Lumbar Laminectomy
- Shant / leakage / drainage surgeries
- Risotomy - SDR
- Baclophen pump installation
- Tumor resection and reconstruction of spinal vertebrae

MEMBERSHIPS

Israel Medical Society
 Israel Neurosurgical Society
 Israel Spine Society- secretary
 Israel Trauma Society
 Israeli Nerve Sciences Society
 Israeli Neurotrauma Society

The Congress of Neurological Surgeons (CNS)
European Spine society.
North American Spine Society (NASS)
European association of Neurosurgical Societies (EANS).
AO regional council
American association of Neurosurgery (AANS)

Professional license - Medical License, state of Israel No. 17824.

PUBLICATIONS

- 1) **Ashkenazi E**, Kluger Y: Tension hydrothorax as a complication of ventriculopleural shunt - case report. Harefuah 117(1):75-76,1989.
- 2) Borowitz B, **Ashkenazi E**, Mualem N and Constantini S: Pudenz anti- siphon device tear as a cause of shunt malfunction. Child's Nerve System 5:330-331, 1989.
- 3) **Ashkenazi E**, Mualem N, Umansky F: Successful removal of an intracranial needle by an ophthalmological magnet. The Journal of Trauma 30(1):114-115, 1990.
- 4) **Ashkenazi E**, Constantini S, Pomeranz S and Rappaport Z.H.: Delayed epidural hematoma without neurological deficit: A series and literature's review. The Journal of Trauma 30(5):613- 615, 1990.
- 5) Rappaport ZH, Glaser B, **Ashkenazi E**, Shalit S: The transphenoidal approach to pituitary tumors. Harefuah 119 (2): 416-419, 1990.
- 6) **Ashkenazi E**, Constantini S, Shoshan Y, Umansky F and Shalit M: The surgical treatment for craniopharyngioma - Review of the literature and the Hadassah experience. Harefuah 119 (2): 359-361, 1990.
- 7) Pomeranz S, Segal E, **Ashkenazi E**, Constantini S and Hite Y: MRI of the plasma of patients with intracranial tumors. Acta Neurochirurgica 106: 160-163, 1990.
- 8) **Ashkenazi E**, Constantini S, Pappo O, Gomori M, Averbuch-Heller L, Umansky F: Spinal pachymeningitis hypertrophica: Review of the literature and report of two cases demonstrated by MRI. Neurosurgery 28(5): 730-732, 1991.
- 9) Shoshan Y, Constantini S, **Ashkenazi E**, Gomori M and Rappaport ZH: Intramedullary spinal-cord renal carcinoma metastasis diagnosed by gadolinium enhanced MRI - A case report. Neuro Orthopedics 11: 117-123, 1991.
- 10) Elidan Y, Umansky F, **Ashkenazi E**: Tumors of the skull base. Harefuah 120 (10) : 584- 587, 1991.
- 11) Constantini S, **Ashkenazi E**, Shoshan Y, Umansky F: Thoracic hematomyelia secondary to anticoagulant therapy. European Neurology 32: 109-111, 1992.
- 12) **Ashkenazi E**, Constantini S, Oren R, Pappo O and Umansky F: Fine needle aspiration of skull tumors, technical note and two demonstrative case reports. Clinical Neuropathology 11 (2):74-76, 1992.
- 13) **Ashkenazi E**, Umansky F, Constantini S, Israel Z, Polliack G and Gomori M: Fever as the initial sign of malfunction in non infected ventriculo-peritoneal shunts. Acta Neurochirurgica 114: 131-134, 1992.

- 14) Umansky F, **Ashkenazi E**, Gartel M: Surgical outcome in an aged population with intracranial meningioma. *J Neurol Neurosurg Psychiatry* 55: 481-485, 1992.
- 15) **Ashkenazi E**, Carmon M, Pasternak D, Israel Z, Beni L, Pomeranz S: Conservative treatment of traumatic posterior fossa subdural hematoma in a child. *The Journal of Trauma* 36 (3): 406-407 1994.
- 16) **Ashkenazi E**, Pomeranz S: Nystagmus as the presentation of tentorial incisure subdural hematoma. *J Neurol Neurosurg Psychiatry* 57: 830-831, 1994.
- 17) Chaya Brodie, **Ely Ashkenazi**, A Tsukerman, M Deutsch And R Tirosh: Inhibition of T cell function in Glioblastoma: A selective impairment of the IL-2 system. *The Physiologist* 37(3) June 1994.
- 18) Pomeranz S, Naparstek E, **Ashkenazi E**, Nagler A, Lossos A, Slavin S, Or R: Intracranial hematoma following bone marrow transplantation. *Journal of Neurology* 241(4): 252-256, 1994.
- 19) Pomeranz S, Umansky F, Elidan Y, **Ashkenazi E**, Valarezo A and Shalit M: Giant cranial base tumors. *Acta Neurochirurgica* 129: 121-126, 1994.
- 20) **Ashkenazi E**, Pomeranz S, Umansky F, Gomori JM: Operative MRI localization of convexity brain lesions. Technical note. *The Journal of Neurosurgery* 82: 132-133, 1995
- 21) Shoshan Y, Pomeranz S, Sofer D, **Ashkenazi E**, Israel Z and Umansky F: Stereotactic brain biopsy. *Harefuah* 128(8) 470-474, 1995.
- 22) Spektor S, **Ashkenazi E**, Israel Z: Intracranial hemorrhage from meningioma in a patient receiving aspirin prophylactic therapy. *Acta Neurochirurgia (Wien)* 134: 51-53, 1995.
- 23) Israel Z, **Ashkenazi E**, Pappo O, Sofer D & Umansky F: Central neurocytoma: A clinical series and a review of the literature. *Harefuah* 129(11) 457-460, 1995.
- 24) Israel Z, Lossos A, **Ashkenazi E**, Soffer D, Umansky F: Germinoma and choroid plexus papilloma coexisting in the fourth ventricle. *Acta Neurochirurgia* 138: 1252-1253, 1996.
- 25) Onesti ST, Zahos PA and **Ashkenazi E**: Spontaneous hemorrhage into a convexity meningioma: Case report and review of the literature. *Acta Neurochirurgia* 138: 1250-1251, 1996.
- 26) **Ashkenazi E**, Onesti S.T., Stanhope W.D.: Neuroradiology rounds. A man with bilateral hyperreflexia. *Surgical Physician assistant* 3(2): 35-37, 1997.

- 27) Onesti S.T., **Ashkenazi E.**, Miller A. and Michelsen W.J.: Resolution of acquired tonsillar herniation after resection of a supratentorial meningioma. *The Journal of Neurosurgery* 86; 572, 1997.
- 28) **Ashkenazi E**, Stanhope W.D, Onesti S.T.: Neuroradiology rounds. A man with a painless neck mass. *Surgical Physician assistant* 3(4): 24-26, 1997.
- 29) **Ashkenazi E**, Onesti S.T, Stanhope W.D.: Neuroradiology rounds. A man with lower extremity weakness. *Surgical Physician assistant* 3(7): 37-39, 1997.
- 30) **E. Ashkenazi**, S.T. Onesti and WJ Michelsen: Surgical approaches to the thoracic spine for benign extradural lesions. *Harefuah* 133(1-2), 5-12, 1997.
- 31) **E. Ashkenazi**, M. Deutsch, Tirosh, R., Weinreb, A., Tsukerman, A. & Brodie, C.: Comparative study of lymphocyte function in patients with brain tumors: A selective impairment of the IL-2 system in patients with glioblastomas. *Neuro Immuno Modulation* 4, 49-56, 1997.
- 32) **Ashkenazi E**, Onesti S.T, Stanhope W.D.: Neuroradiology rounds. A man with head injury. *Surgical Physician assistant* 3(9): 35-36, 1997.
- 33) **Ashkenazi E**, Pomeranz S, Floman Y: Herniated lumbar disk mimicking neurinoma on CT & MRI. *Journal of Spinal disorders* 10: 448-450,1997.
- 34) Onesti S.T., **Ashkenazi E**: The Ray threaded fusion cage for posterior lumbar interbody fusion. *Neurosurgery* 42,(1): 200-205,1998.
- 35) Onesti ST, **Ashkenazi E** and Michelsen WJ: The transspinal approach to spinal tumors. Technical note. *The Journal of Neurosurgery* 88: 106-110,1998.
- 36) Onesti ST, **Ashkenazi E**: Minimally invasive spinal fusion surgery for degenerative disk disease of the spine. *Einstein Quar J. Biol. Med.*15: 34-38, 1998.
- 37) **Ashkenazi E**, Onesti S.T.: Early clinical experience using a threaded cage fusion system. *Harefuah* 134 (12) 921-925, 1998. (Hebrew).
- 38) **Ashkenazi E**, Onesti S.T., liena J.F.: Paraganglioma of the intradural filum terminale. *Journal of Spinal Disorders* 11 (6) 540-542, 1998.
- 39) Onesti ST and **Ashkenazi E**: The Ray threaded fusion cage for posterior lumbar interbody fusion. (reply to letter of Hacker RJ). *Neurosurgery* 43(4): 983, 1998.
- 40) Mandil R, **Ashkenazi E**, Blass M, Kronfeld I, Kazimirsky G & Brodie C: Protein kinase Calpha and protein kinase Cdelta play opposite roles in the proliferation and apoptosis of glioma cells. *Cancer res* 1;61 (11): 4612-9, 2001.

- 41) Constantini S, Kanner A, Friedman A, Shoshan Y, Israel Z, **Ashkenazi E**, Gertel M, Even A, Shevach Y, Shalit M, Umansky F & Rappaport ZH: Safety of perioperative minidose heparin in patients undergoing brain tumor surgery: a prospective, randomized, double-blind study. *J Neurosurg* 94 (6): 918-21, 2001.
- 42) Elena Appel, Gila Kazimirsky, **Ely Ashkenazi**, Seong Gon Kim, Kenneth A. Jacobson & Chaya Brodie: Roles of BCL-2 & caspase3 in the adenosine A₃ receptor induced apoptosis. *J.Mol Neurosci.* 2001 Dec 17:3 285-92.
- 43) Shira Weisberg, **Ely Ashkenazi**, Zvi Israel, Moshe Attia, Yigal Shoshan, Felix Umansky and Chaya Brodie: Anaplastic and atypical meningiomas express high levels of Fas and undergo apoptosis in response to Fas ligation. *Am J Pathol.* 2001 Oct;159(4):1193-7.
- 44) Nahum Beglaibter, Oded Zamir, Michael Milgram, **Ely Ashkenazi**, Ronit Grinbaum, Yizhar Floman & Herbert Freund: Laparoscopic anterior lumbar interbody spinal fusion. *Harefuah* 142 (5): 326-328, 2003.
- 45) **Ely Ashkenazi**, Yossi Smorgick, Nahshon Rand , Michael A. Millgram, Yigal Mirovsky & Yizhar Floman: Anterior Decompression with Combined Corpectomies and Discectomies in the Management of Multilevel Cervical Myelopathy Using the “Hybrid Decompression Fixation” Technique. *The Journal of Neurosurgery Spine* 3: 205-209, 2005.
- 46) Ory keynan, Yossi Smorgick, Allan J. Schwartz, **Ely Ashkenazi**, Yizhar Floman: Spontaneous Ligamentum Flavum Hematoma In the Lumbar Spine. *Skeletal Radiol.* 2005 Jul 20
- 47) Peleg Ben-Galim, Nahshon Rand, Michael Giladi, David Schwartz, **Ely Ashkenazi**, Michael Millgram, Shmuel Dekel & Yizhar Floman: Association between sciatica and microbial infection: True infection or culture contamination. *Spine*, 2006 Oct 1;31(21):2507-9.
- 48) Y. Mirovsky, Y Floman, Y. Smorgick, **E Ashkenazi**, M Millgram & M Giladi: Management of Deep Wound Infection Following Posterior Lumbar Interbody Fusion with Cages. *Journal of J Spinal Disord Tech.* 2007 Apr;20(2):127-31
- 49) Yizhar Floman, Michael A Millgram, Yossi Smorgick, Nahshon Rand, **Ely Ashkenazi**: Failure of the Wallis Interspinous Implant to Lower the Incidence of Recurrent Lumbar Disc Herniations in Patients Undergoing Primary Disc Excision. *Journal of Spinal Disorders and Techniques*, Volume 20 (2): 127-131, July 2007.
- 50) Floman, MA Millgram, **E Ashkenazi**, Y Smorgick & N Rand: Instrumented slip reduction and fusion for painful unstable istmic spondylololsthesis in adults. *J of Spinal Disord*, 2008 Oct;21(7):477-83

- 51) **E Ashkenazi** : Anterior Cervical Decompression Using the “Hybrid Decompression Fixation” Technique, a Combination of Corpectomies and or Discectomies, in the Management of Multilevel Cervical Myelopathy. The Polish Journal of Orthopaedic Trauma Surgery and Related Research. 2009 Oct 4 (16): 50-54.
- 52) E Segal, M Millgrom, S Tal, V Karayev & **E Ashkenazi**: Acute subdural hematoma following spine surgery: A case report (in press Harefuah 2014).
- 53) S Appel, A Koren, M Millgram, N Rand, Y Floman, **E Ashkenzi**: Intraoperative neuromonitoring in cervical spine surgery: the significance of findings during positioning. (Submitted for publication 2014)

PRESENTATIONS & ABSTRACTS

- 1) Ashkenazi **E**, Constantini S, Pomeranz S and Rappaport Z.H.: Delayed epidural hematoma without neurological deficit. Presented in the Israeli Neurosurgical Association annual meeting. Jericho, Israel December, 1989.
- 2) Umansky F, **Ashkenazi E**, Gartel M: Surgical outcome in an aged population with intracranial meningioma. Presented as a poster in the American Association of Neurological surgeons (The Harvey Cushing society) Nashville, TN, USA. April 1990.
- 3) **Ashkenazi E**, Constantini S, Shoshan Y, Umansky F and Shalit M: The surgical treatment for craniopharyngioma - Review of the literature and the Hadassah experience. Presented in the Israeli Neurosurgical Association annual meeting. Shphaim, Israel. June, 1990.
- 4) **Ashkenazi E**, Umansky F, Constantini S, Israel Z, Polliack G and Gomori M : Fever as the initial sign of malfunction in non infected ventriculo-peritoneal shunts. Accepted for oral presentation in the 9 Th. European Congress of Neurosurgery. Moscow, USSR. June, 1991.
- 5) Brodie C Ph.D., **Ashkenazi E MD** , Deutsh M Ph.D., Tirosh R Ph.D.: Identification and characterization of Glioblastoma - derived factor(s). A diagnostic tool in brain tumors. Presented in the Jerome Schottstein cell scan center for early detection of cancer seminar. The faculty of science, Bar Ilan University, Israel. March 1993.
- 6) Pomeranz S, Valarezo A, **Ashkenazi E**, Umansky F, Elidan Y and Shalit M: Giant cranial base tumors. Presented at the Jerusalem symposium on surgery of the skull base and adjacent midline region. Jerusalem, Israel. March 21-26, 1993.
- 7) Shoshan Y, Anteby I, Israel Z, **Ashkenazi E**, Pomeranz S, Umansky F and Shalit M: Suprasellar meningiomas visual and general outcome following craniotomy. Presented at the Jerusalem symposium on surgery of the skull base and adjacent midline region. Jerusalem, Israel. March 21-26, 1993.
- 8) **Ely Ashkenazi**, M Deutch, R Tirosh and A Weinreb & C Brodie: Glioblastoma-derived factors inhibit T cell Function. Presented in the third annual meeting of the Israeli society for neuroscience, Eilat, Israel. December 11-14, 1994.
- 9) Onesti ST, **Ashkenazi E**, Sonnestein WJ, Goodrich JT and Michelsen WJ: The transspinal approach to dumbbell spinal tumors. Presented at the Annual Meeting of the American Association of Neurological Surgeons, Minneapolis, MN, USA. April 27-May 5, 1996.

- 10) **E. Ashkenazi**, S.T. Onesti: Limited Surgical Management of Osteomyelitis and spinal Epidural Abscess in an urban city hospital. Presented at the Annual Meeting of the joint section of spinal disorders of the American Association of Neurological Surgeons. Newport Beach, Ca, USA. February 19-22, 1997.
- 11) S. Pomeranz, **E. Ashkenazi**, E. Piontec, D. Pasternak, R. Laker, S. Igos, Y Sherman and P Safar: Multimodality Treatment of Brain Trauma in a Canine Cerebral Compression Model. Presented at the Annual Meeting of the American Association of Neurological Surgeons, Denver, CO, USA. April 11-17, 1997.
- 12) **E. Ashkenazi**, S.T. Onesti and WJ Michelsen: Limited Surgical Management of Osteomyelitis and Spinal Epidural Abscess. Presented at the 47th Annual Meeting of the Congress of Neurological Surgeons. New- Orleans, Louisiana USA. September 27-October 2nd, 1997.
- 13) Umansky F, **Ashkenazi E.** Kazimirsky G & Brodie C: Taxol inhibits DNA synthesis and induces astrocytic differentiation and apoptosis of glioma cells. Presented as an oral presentation in the 49th Annual Meeting of the German Society of Neurosurgery. Hannover, Germany June 12-16, 1998.
- 14) **Ashkenazi E.**, Israel Z., Kazimirsky G & Brodie C: Taxol induces astrocytic differentiation and apoptosis in glioma cells. Role of MAP kinase & JUN kinase. Presented in the 5th IUBMB conference on the biochemistry of health and diseases, Jerusalem, Israel. October 18-22, 1998.
- 15) **Ashkenazi Ely**: Cervical spine fusion without the need for iliac crest bone harvesting. Presented as an oral presentation in the annual meeting of the Israeli Orthopedic Association, Haifa, Israel. November 22-24, 1998.
- 16) R Levine, I Kronfeld, **E Ashkenazi**, PM Blumberg & C Brodie: Overexpression of PKC α in glioblastomas. The regulatory domain of PKC α mediates the proliferation of glioblastoma cells in response to PMA & EGE. Presented in the FebS meeting, Eilat, Israel. December ,1998.
- 17) **Ashkenazi E** and Israel Z: Early experience using the BAK-C treated titanium cages for cervical spine fusion. Presented in the AANS spine section, Florida, USA. 10-13 February, 1999.
- 18) **Ashkenazi E** and Israel Z: Early experience using the BAK-C treated titanium cages for cervical spine fusion. Presented in the EANS meeting as an oral presentation, 19-24/9/1999, Copenhagen, Denmark.
- 19) M. A. Millgram, **E. Ashkenazi**, O. Zamir, H. R. Freund & Y. Floman: Laparoscopic anterior lumbar interbody fusion (ALIF). Presented in the EANS meeting as an oral presentation, 19-24/9/1999, Copenhagen, Denmark.

- 20) **Ashkenazi E.** Floman Y.: Anterior cervical fusion with plates and cages. Oral presentation in the International Whiplash Associated Disorders (WAD), 5-6/10/1999, Tel-Aviv, Israel.
- 21) Milgram M.A., **Ashkenazi E.**, and Floman Y: Normal Cervical Anatomy. Oral presentation in the International Whiplash Associated Disorders (WAD), 5-6/10/1999, Tel-Aviv, Israel.
- 22) **E. Ashkenazi**, M. A. Millgram, N. Rand & Y. Floman: Anterior cervical spine fusion with the aid of threaded BAK-C cages. Experience in 38 myelopathic patients with a minimum 1 year follow up. 27th Annual Meeting of the Cervical Spine Research Society, 16-18, December, 1999, Seattle, USA.
- 23) **E. Ashkenazi**, M. A. Millgram, N. Rand & Y. Floman: Anterior cervical spine fusion with the aid of threaded BAK-C cages. Experience in 85 myelopathic patients with a minimum 1 year follow up. Oral presentation in the Congress of Neurological surgeons Annual Meeting, September 2000, San-Antonio, Texas, USA.
- 24) **E. Ashkenazi**: Endoscopic Spine Surgery, past, present & future. Oral presentation in the 4th International Course on Spinal Surgery, August 4-6, 2000, Coimbatore, India.
- 25) **E. Ashkenazi**: Spinal Fusion: ALIF or PLIF or both? Oral presentation in the 4th International Course on Spinal Surgery, August 4-6, 2000, Coimbatore, India.
- 26) **E. Ashkenazi**, M. A. Millgram, N. Rand & Y. Floman: Anterior cervical spine fusion with the aid of threaded BAK-C cages. Experience in 85 myelopathic patients with a minimum 2 year follow up. Oral presentation in the Congress of Neurological surgeons Annual Meeting, September 2001, San Diego, California, USA.
- 27) **E. Ashkenazi**, Y. Floman, M. A. Millgram, & N. Rand: Potential Risk Factors for Severe Neurologic Deterioration After Surgery for Anterior Cervical Fusion. Oral presentation in world spine II, August 2003, Chicago, Illinois, USA.
- 28) **E. Ashkenazi**, N. Rand, M. A. Millgram, & Y. Floman: Anterior Decompression for Cervical Myelopathy Using Hybrid Technique. Poster presentation in world spine II, August 2003, Chicago, Illinois, USA.
- 29) **E. Ashkenazi**, N. Rand, M. A. Millgram, & Y. Floman: Anterior Decompression for Cervical Myelopathy Using Hybrid Technique. Oral presentation in the Swiss Spine Society meeting, Zurich, September 2003.
- 30) **Ely Ashkenazi**, Michael A. Millgram, Akiva S. Korn, , Nahshon Rand & Yizhar Floman. Anterior Cervical Decompression and Fusion: Identification of Crucial Stages Posing Neurological Risk Oral presentation in the Israeli Neurosurgical Association annual meeting. Mizpe Ramon, Israel 2004.

- 31) **Ely Ashkenazi**, Michael A. Millgram, Nahshon Rand & Yizhar Floman Early Clinical Results following Cervical Arthroplasty using the Prodisc C Artificial Disc. Oral presentation in the Congress of Neurological surgeons Annual Meeting, October 2005, Boston, Ma, USA.
- 32) **Ely Ashkenazi** . Percutaneous Kyphoplasty Using the SKy Bone Expander System. Poster presentation in the Congress of Neurological surgeons Annual Meeting, October 2005, Boston, Ma, USA.
- 33) **Ely Ashkenazi**, Cervical Arthroplasty using the Prodisc C Artificial Disc, guest lecturer in the 2006 annual meeting of the Chinese Anaesthesiologists Association meeting, Chengdu China, 13-17/4/2006.
- 34) **Ely Ashkenazi**, Percutaneous Kyphoplasty Using the SKy Bone Expander System & Confidence cement, guest lecturer in the 2006 annual meeting of the Chinese Anaesthesiologists Association meeting (CAA), Chengdu China, 13-17/4/2006.
- 35) **Ashkenazi Ely**, Percutaneous Kyphoplasty Using the SKy Bone Expander System & Confidence cement, guest lecturer in the annual meeting of "advances and controversies of spine surgery". The institute of Orthopaedics & Traumatology, the University Hospital of San-Paulo, Brazil, 25/8/06.
- 36) **Ashkenazi Ely**, Minimal invasive techniques for spine fusion using the B-Twin expandable cage. Guest lecturer in the annual meeting of "advances and controversies of spine surgery", The institute of Orthopaedics & Traumatology, the University Hospital of San-Paulo, Brazil, 26/8/06.
- 37) **Ashkenazi Ely**: Cervical Myelopathy. invited lecture in the 1st Panhellenic spine congress, 20 September 2007, Athens, Greece.
- 38) **Ashkenazi Ely**, Millgram Michael & Floman Yizhar: Intra spinous devices. Invited lecture in the 1st Panhellenic spine congress, 20-23 September 2007, Athens, Greece
- 39) **Ashkenazi Ely**: Complications in Anterior Cervical Surgery. Invited lecture in the AO spine Complications in Spine Surgery advanced symposium, 5-7 November 2008, Stockholm, Sweden
- 40) **Ashkenazi Ely**, Keynan Ori, Millgram Michael, Rand Nahshon, Bustanay Dafna & Floman Yizhar. Preliminary Clinical and Radiographic Outcomes of a Hybrid Fusion-Adjacent Segment Stabilization Implant. Oral presentation in the SAS meeting, April 2009, London, England.
- 41) **Ashkenazi Ely**: Optimized pedicle screw fixation. A new solution for revision & osteoporotic bone fixation: Oral presentation at the Inspiraton meeting, October 22-23, 2011. Barcelona, Spain.

- 42) **Ashkenazi Ely** , Millgram Michael, Rand Nahshon & Floman Yizhar: Surgical Management of Severe Spondylotic Myelopathy by Successive, Same Day, Posterior and Anterior Decompression with Anterior Fixation and Fusion (PADAF). Oral presentation in the Argos spine meeting, Paris, France. 26-28 January 2011.
- 43) **Ashkenazi Ely**: Reduction and fusion for painful isthmic spondylolisthesis in adults. Oral presentation in the Argos spine meeting, Paris, France. 26-27 January 2012.
- 44) **Ashkenazi Ely**: ACDF – The Gold Standard. Oral presentation in the Young Surgeon Forum 2012, March 8 - 9, 2012. Frankfurt, Germany.
- 45) **Ashkenazi Ely**: Overview of Cervical Surgical Complications. Oral presentation in the Young Surgeon Forum 2012, March 8 - 9, 2012, Frankfurt, Germany.
- 43) **Ashkenazi Ely**: Dreal: Inside-out decompression using a new curved bone removal tool. Oral presentation in the The 13th annual meeting of the Israel Spine Society, 2-4 May, 2012. Eilat, Israel.
- 44) **Ashkenazi Ely**: Adjacent level destabilization after instrumentation. How to prevent it? How to deal with it?: Oral presentation at the Inspiraton meeting, June 29-30, 2012. Porto, Portugal.
- 45) **Ashkenazi Ely**: Spondylodiscitis & infectious osteolysis: Fusion or Fixation: Oral presentation at the Inspiraton meeting, June 29-30, 2012. Porto, Portugal.
- 46) **Ashkenazi Ely**: Per operative control of the right position of lumbar screws. New imaging, neurophysiologic monitoring: Oral presentation at the Inspiraton meeting, June 29-30, 2012. Porto, Portugal.
- 47) **Ashkenazi Ely**: Pitfalls and Complications in Anterior Cervical Discectomy with Fusion. Oral presentation at the Cervical Course of the Academia of Medical Education. July 19 & 20, 2012. Leiden the Netherlands.
- 48) **Ashkenazi Ely**: Anterior Cervical Discectomy with Fusion: Enhanced Surgical Options. Oral presentation at the Cervical Course of the Academia of Medical Education. July 19 & 20, 2012. Leiden the Netherlands.
- 49) **Ashkenazi Ely**: Ball and socket semi constrained cervical disc replacement. A clinical and radiological comparison of two designs. Oral presentation in the Argos spine meeting, Paris, France. 31 January - 1 February , 2013.
- 50) Biron Tali, Beni Liana, **Ashkenazi Ely**, Harel Yael, Korn Akiva: Intraoperative pathoelectrophysiologic response during SDR and correlation with cognitive improvement, the 4th ISIN (international society of intraoperative neurophysiology) congress, Cape town, South Africa. 14-16 November 2013.

- 51) **Ashkenazi Ely**: Anterior long constructions in the treatment of multilevel cervical myelopathy of the aging spine. Oral presentation in the AOSpine Advanced Symposium, Spine Surgery in Elderly, Budapest, Hungary 28-29th November, 2013.
- 52) **Ashkenazi Ely**: Correction of adult deformity in osteoporotic patients using expandable screws- 3 years follow up. Oral presentation in the AOSpine Advanced Symposium, Spine Surgery in Elderly, Budapest, Hungary 28-29th November, 2013.
- 53) **Ashkenazi Ely**: State of the art treatment for severe multilevel cervical myelopathy. Oral presentation at the Russian Spine Surgery annual meeting, Saratov Russia, 22-25 May 2014.

Chapters in books:

- 1) **Ashkenazi E**, Umansky F, Constantini S, Israel Z, Polliack G and Gomori M :
Fever as the initial sign of malfunction in non infected ventriculo-peritoneal shunts.
In: Raimondi A.J., Matsumoto S. and Oi S., (eds.) Annual review of Hydrocephalus and Spina Bifida , The committee of the Annual review of Hydrocephalus and Spina Bifida, Tomogaoka, Suma-ku, Kobe, Hyogo, Japan. Volume 11, pp 114-115, 1994.
- 2) Onesti ST, **Ashkenazi E**, and Michelsen WJ: The transparaspinal approach to dumbbell spinal tumors, in Rengachary SS, Wilkins RH (eds.): Neurosurgical Operative Atlas, 7:241-248, 1998.
- 3) Rand N, **Ashkenazi E**: Spinal epidural abscess, In Floman Y (ed): Spinal Infections. Spine: State of the Art Reviews, Vol. 13, No. 1. Philadelphia, Hanley & Belfus, pp. 123-136, 1999.
- 4) Michael A. Millgram, Nahshon Rand & **Ely Ashkenazi**, Cervical spine surgery complication. In Floman Y, Onesti ST & **Ashkenazi E** (eds.): Degenerative Disc Disease of the Cervical Spine: State of the Art Reviews , Hanley and Belfus, Medical Publishers Philadelphia. 14 (3): pp 661-670, 2000.
- 5) Floman Y, **Ashkenazi E**: Expansive open door laminoplasty in the management of multilevel cervical myelopathy. In Floman Y, Onesti ST & **Ashkenazi E** (eds.): Degenerative Disc Disease of the Cervical Spine: State of the Art Reviews , Hanley and Belfus, Medical Publishers Philadelphia. 14 (3): pp 635-642, 2000.
- 6) **Ashkenazi Ely**, Yitchayek Eyal, Floman Y: Cervical interbody fusion with BAK-C cages in the management of cervical spondylotic myeloradiculopathy.
In Floman Y, Onesti ST & **Ashkenazi E** (eds.): Degenerative Disc Disease of the Cervical Spine: State of the Art Reviews, Hanley and Belfus, Medical Publishers Philadelphia. 14 (3): pp 625-634, 2000.

Teaching & Symposia

- 1) Lectures and tutor to medical students, neurology and neurosurgery, Hebrew University Medical School, 1987-present.
- 2) Lectures to nursing students, neurology and neurosurgery, Hebrew University School of Nursing, 1987-present.
- 3) Lectures to IDF physicians, Advanced Trauma Life Support, IDF Military Medical School 1994-present.
- 4) In-charge of teaching to medical students, neurosurgery, Hebrew University Medical School, 1994-1995.
- 5) Post graduate lectures to neurology residents 1994-present.
- 6) Grand rounds, Neurosurgery department, Montefiore Medical Center NY, “Current approaches to the degenerated cervical spine”, December 1995.
- 7) Lectures to the Hadassah Organization fund raising meetings, June 1996-present.
- 8) Grand rounds, Neurosurgery department, Montefiore Medical Center NY, “Neurosurgery in Israel”, October 1996.
- 9) Grand rounds, Neurosurgery department, Montefiore Medical Center NY, “ Different Instrumentation systems for anterior cervical fusion”. June 1997.
- 10) Grand rounds, Neurosurgery department, Montefiore Medical Center NY, Early Experience with threaded cages fusion system. 16.2.99.
- 11) Grand round, Neurosurgery department, Neurological institute NY, “Laparoscopic ALIF for lumbar spine fusion”. 18.2.99.
- 12) Faculty member as a guest lecture and operation demonstrator in the 4th International Course on Spinal Surgery & workshop on Spinal Fixation Systems, August 4-6, 2000, Coimbatore, India.
- 13) Grand round, Neurosurgery department, Neurological institute NY, “minimal invasive techniques for spine fusion” October 2005.
- 14) Faculty member as a guest lecture and operation demonstrator in the 1st International symposium "Advances in Spinal Surgery, 16-19 November 2006, Athens, Greece.

- 15) Faculty member and a guest lecture, in the "Non fusion surgery in the degenerative spine" symposium, 31 March 2007, Istanbul Spine Center, Florence Nightingale Hospital Istanbul, Turkey.
- 16) Faculty member as a guest lecture in the 1st Panhellenic spine congress, 20-23 September 2007, Athens, Greece
- 17) Faculty member as a guest lecture and operation demonstrator in the Kyphoplasty (Sky & Confidence) training seminar, 25/1/2008, Athens Greece.
- 18) Faculty member as a guest lecture and operation demonstrator in the Confidence Instructional Workshop, 26th September 2008, Salzburg, Austria.
- 19) Faculty member as a guest lecture and operation demonstrator in the Vertiflex Percutaneous spine fusion cadaveric workshop, 2-4th April & 24-26 Sep. 2009. Essen Germany
- 20) Faculty member and a guest lecture and operation demonstrator in the AlphaTeck cadaveric workshop, 2-3rd October 2009. 2-3rd December 2009, 24-25th February 2010, 26-27th May 2010, 22-23rd June 2010, 2-3rd July 2010, 25-26th February 2011, 27-28th May 2011, 29-30th September 2011, 18-19th May 2012, 6-7th October 2012, 19-20th April 2013, 17-18th May 2014, Vienna, Austria.
- 21) Faculty member as a guest lecture and operation demonstrator for Medetronic, in the Young Surgeon Forum 2012, March 8 - 9, 2012. Frankfurt, Germany.
- 22) Faculty member as the conductor of the training program for Medetronic, in the Cervical Course of the Academia of Medical Education. July 19 & 20, 2012. Leiden the Netherlands.

Tutor, MD Research Thesis

- 1) **Shmuel Igos:** "The effect of resuscitative moderate hypothermia and medication following epidural brain compression on cerebral damage in a canine outcome model " 1994, Hebrew University Medical School.
- 2) **Atia Moshe:** " Characterization of specific PKC isoforms in different types of meningiomas and the role of PKC in the proliferation of meningioma cells" 1998, Hebrew University Medical School.
- 3) **Orion Dudi:** "Anterior Cervical Spine Fusion using threaded titanium cages". 2000, Hebrew University Medical School.

Awards & Grants

- 1991 5000\$- Awarded of the Joint Hebrew University - Hadassah University Hospital Grant, "The effect of biological glue on rats brain".
- 1994 -1996 Ciba Company: Multicenter European Clinical Trial of Selfotel in head trauma. Coinvestigator.
- 1995 The Professor Davidoff Prize for Research in Neuroscience's awarded for: "The effect of resuscitative moderate hypothermia and medication following epidural brain compression on cerebral damage in a canine outcome model "
- 1996- 1999 150.000\$ Pharmos company: multicenter Israeli Clinical Trial of HU-211 in Head trauma. Coinvestigator.
- 1998 - 2000 60.000\$- Sulzer Medica: Spine-Tech: The use of threaded titanium cages for cervical spine fusion as a new fusion system- Clinical study. Principal investigator.
- 2008 – 150.000\$ - Spine Vision - FlexPLUS™ Prospective International Study- Clinical study. Principal investigator.