

Curriculum Vitae

SERGE OBUKHOFF MD, Ph.D.

Diplomat of American Board of Neurological Surgery

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DATE AND PLACE OF BIRTH: June 3, 1956, Dnepropetrovsk, USSR.

PRACTICE ADDRESSES

San Fernando Valley

4955 Van Nuys Boulevard, Suite #407
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Long Beach

3311 Willow Street
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Mid Wilshire

6200 Wilshire Boulevard, Suite #910
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SCHOLASTIC ACHIEVEMENTS

Graduated from Special Secondary School of Physics and Mathematics, Panevezys, Lithuania. 1973

MEDICAL POSTGRADUATE AND SPECIALIST TRAININGS

- 1973-1979. Second Moscow Medical Institute, Moscow. Achieved distinction in early medical studies and therefore promoted to specialist training.
- 1979-1981 Resident (Ordinator), Burdenko Neurosurgical Institute – the premier Neurosurgical Institution in the USSR. (Supervisor Professor I. Kachkov)
- 1981-1984 Senior Resident (Aspirant), Burdenko Neurosurgical Institute, Academy of Medical Science of the USSR, Moscow. (Supervisor Professor A. Konovalov)
1983. Successfully passed exams in Neurosurgery. (Chairman of Qualification Commission Professor F. Serbinenko)
1987. Visiting Professor in the Hungarian National Neurosurgical Center, Budapest, Hungary.

1988. Visiting Professor in the Columbia University in the City of New York, Department of Neurological Surgery of the College of Physicians and Surgeons (Scholarly exchange and collaboration in Neurosurgical Programs, Professor B.M.Stein) New York, NY, USA.
1993. Visiting Professor in the University Clinic of Neurosurgery. Vienna, Austria.
- 1993-1994 Pediatric Cranial Advancement fellowship. Queen Elizabeth Hospital and Birmingham Children's hospitals. Birmingham, UK. (Supervisor Mr. A. Hockley FRCS).
- 1996 General Surgery Intern, Oregon Health Science University, Portland, Oregon.
- 1997-2001 Neurosurgery Resident and Skull Base Fellow, UCLA Division of Neurosurgery, UCLA, Los Angeles. (Program Director Prof. Donald B. Becker)

SPECIALIZED RESEARCH TRAINING

- 1981-1984 Immunochemistry, Laboratory of Immunochemistry of the Department of Biochemistry of the Second Moscow Medical Institute (Supervisor Professor Yu.S.Tatarinov – winner of Pasteur Prize for discovery of Alfa-Feta protein) Moscow, USSR.
1989. Visiting Scientist, Brain Tumor Research Laboratory, Department of Neurosurgery, Franchay Hospital, Bristol, UK. (Collaborator – Mr. H.B.Coakham).
1989. Visiting Scientist (Neuro-Oncology), Specialized Research Center on Malignant Human Gliomas and Medulloblastomas and the Neuro-Oncology Program of the Duke University Medical Center, Durham, NC, USA (Professor D.Bigner).
- 1990-1991 Exchange Investigator – Soviet-British research program. Brain Tumor Research Laboratory and ICRF Pediatric and Neuro-Oncology Unit, Franchay Hospital, Bristol (Mr.H.B.Coakham and Dr.J.T.Kemshead) and ICRF Human Tumor Immunology Group, Middlesex Hospital, London, UK. (Professor P.C.L.Beverley).

PROFESSIONAL CERTIFICATION

1979. National Board of Medical Examiners of the USSR. Certificate D1 N 237742.
1982. Medical License in Neurosurgery of the Burdenko Neurosurgical Institute. Academy of Medical Science of the USSR. Certificate # N 77.

- 1884. Diploma of Candidate of Medical Science (MD- Neurosurgery, Ph.D.- Biochemistry), Certificate N 020890.
- 1988. Certificate of Scholarly Exchange and Collaboration in Neurosurgical Program. Columbia University in the City of New York, NY, USA.
- 1990-1994 UK Certificate of Limited Registration as a Medical Practitioner, General Medical Council, United Kingdom. Registration No: 90/1597.
- 1991-1993 South-Africa Certificate of Limited Registration as a Medical Practitioner, General Medical Council, South Africa. Registration No: 91/6487.
- 1994-1995 USA Certificate of Limited License as Visiting Professor in Neurosurgery. Board of Medical Examiners, Oregon, No: 5699.
- 1995. ECFMG Certificate Number 0-518-819-8.
- 1998. Licensed Physician and Surgeon. The Medical Board of California. # A065490.
- 2001. Medical License State of Mississippi Board of Medical Licensure. # 17161.
- 2002. Medical License, Louisiana State Board of Medical Examiners.
- 2003. Medical License, Washington State Board of Medical Examiners.
- 2005. Diplomate of American Board of Neurological Surgery.

POSTGRADUATE APPOINTMENTS

- 1984-1987 Consultant Neurosurgeon. Department of Neuro-Oncology, Burdenko Neurosurgical Institute, Academy of Medical Science of the USSR. Moscow.
- 1988-91 Research Fellow and Senior Consultant Neurosurgeon Department of Neuro-Oncology, Burdenko Neurosurgical Institute, AMS USSR, Moscow, USSR.
- 1990. Senior Research Fellow and Senior Consultant Neurosurgeon and Deputy Director of the Department of Neuro-Oncology, Burdenko Neurosurgical Institute, AMS USSR, Moscow, Russia.
- 1991-1993 Lecturer in Neurosurgery, Department of Neurosurgery, Medical University of Southern Africa, Pretoria, RSA.
- 1993-1994 Fellow of Pediatric Neurosurgery, Department of Neurosurgery, Queen Elizabeth Hospital and Birmingham Children's Hospital, Birmingham, United Kingdom.

- 1994-1995. Visiting Professor in Neurosurgery, Good Samaritan, Emanuel and Providence Hospitals, Portland, Oregon.
- 1994-1996. Clinical research fellow at John Mawk Pediatric Neurosurgery, Portland, Oregon.
- 2001-2005: Clinical Professor, Department of Neurosurgery, Tulane University, New Orleans, LA.

RESEARCH RESPONSIBILITY

- 1987-1989 Supervisor and responsible investigator in Soviet-Japanese research program "Combined Treatment of Malignant Gliomas". Burdenko Neurosurgical Institute and Brain Tumor Interferon Study Group, University of Tokyo (Prof. K. Takakura), Japan.
- 1988-1989 Responsible Investigator in Soviet-American Research Program "Surgery of the Pineal Region and Deep Seating Tumors" Burdenko Neurosurgical Institute and Columbia University in the City of New York.
- 1988-1990 Supervisor and Responsible Investigator in Soviet-British Research Program "Radiolabelled antibody and lectins in diagnostic and treatment of brain tumors". Burdenko Neurosurgical Institute and Brain Tumor Research Laboratory, Department of Neurosurgery, Franchay Hospital, Bristol, UK.
- 1990-1991 Principal Investigator in the Research Program "Antibody-directed LAK-cell therapy of the brain tumors" Brain Tumor Research Laboratory and ICRF Pediatric and Neuro-Oncology Unit (Dr. J.T.Kemshead, Mr. H.B.Coakham), Franchay Hospital, Bristol and ICRF Human Tumor Immunology Group (Professor P.L.C.Beverley) Middlesex Hospital, London, UK.

PROFESSIONAL INTERESTS

- pineal region tumors, third ventricle, deep-seated tumors and complex skull base surgery:
 - Combined treatment of malignant brain tumors (chemotherapy, radio- and immunotherapy)
 - Spinal reconstructive surgery

SPECIAL RESEARCH AREAS

- Study of radiolabelled antibodies and lectins in Neuro-Oncology;
- Antibody-directed LAK-cell therapy of brain tumors
- (Lymphokine Activated Killer cells)

- Combined skull base approaches

TRAINING IN SPECIALIZED SURGICAL TECHNIQUES

- Surgery of pineal region, third ventricle and brain stem pathology (Columbia University, Department of Neurosurgery, under supervision of Professor BM Stein, 1988, New York, USA)
- Pediatric skull base reconstruction and frontal advancement (Birmingham Children's Hospital, under supervision of Mr. T. Hockley FRCS, Birmingham, UK.)
- Complex skull base approaches. (UCLA Div. Neurosurgery, under supervision of Professor D.B.Becker, Los Angeles, CA.)
- Minimally invasive and complex spinal reconstructive surgery.

DOCTORAL STUDIES

- M.D. – Emphasis in Neurosurgery – 1984
- Ph.D. – Biochemistry - 1984 (Clinical and Experimental Study of the Alfa-1 Organospecific Brain Protein in Patients with Brain Tumors. Thesis of Dissertation. Moscow. Medicine 1984 p.1-144.

PUBLICATIONS

1. Obukhov, SK., Kasumova SYu., KalashnikovVV. Immunochemical studies of alfa-1 Organospecific antigen in different brain portions and tumors of the central nervous system.
2. V.Oncologii.USSR.Medicine.XXVII,N2,1982,p.61-64.
3. Obukhov SK. Clinical and experimental study of alfa-1 organospecific brain protein in patients with malignant brain tumors. Thesis of Dissertation. Ph.D. Moscow. Medicine. 1984.p.1-144.
4. Tatariniv YuS., Obukhov SK. Immunoenzyme assay of brain specific alfa-1 globulin in glial tumors. V. Oncologii. USSR. Medicine 1985,XXXI,p.76-79.
5. Obukhov SK. Study of brain specific alfa-1 globulin in patients with glial tumors. V.Neurochirurgii. USSR. Medicine. 1985, N4, p.43-47.
6. Kulakov VN, Khalansky AS, Obukhov SK, Matveev VA. Perspectives of isotope labeled antibodies. 4-th International Congress on Isotope Labeled Antibodies and RIA kits. Obninsk, USSR. November, 1986. (Abstract).
7. Obukhov SK. Diagnostic and monitoring of patients with glial brain tumors by serum tests. 14-th International Cancer Congress. Budapest, Hungary. August 21-27. 1986. (Abstract).

8. Obukhov SK. Prospective diagnostic and treatment of glial brain tumors using antibodies against GFAP. P.260. 4-th Congress of Soviet Neurosurgeons. October 11-14. 1988. Moscow. USSR.
9. Obukhov SK. Combined therapy for glioblastoma with INF-beta, CCNU and Radiation. (9th International Congress of Neurological Surgery. New Delhi, India, October 8-13, 1989.p.425. (Abstract).
10. Obukhov SK., Kalashnikov VV., Khalansky AS. Antibodies to GFAP as potential carrier of medical agents to glial tumors. V. Neurochirurgii. USSR. Medicine. 1989. 2.p.27-32.
11. Torchilin VP. Klibanov AL., Slinkin MA., Mukhamedova NM., Obukhov SK., Kwan BA. Antibody-linked chelating polymers for targeting nuclear therapy and diagnostics. Fourth International Symposium on Recent Advances in Drug Delivery systems. P.59-60. Feb.21-24, 1989, Salt Lake Marriott, Salt Lake City, Utah, USA.
12. Mukhamedova NM., Obukhov SK., Slinkin MA., Klibanov AL., Torchilin VP. The acceleration of immunoglobulin clearance from the circulation upon radioimmunodiagnosis by chemical modification. Bulletin Experimental Biol. And Medicine. Moscow. CVIII, N12, 1989,p.705-707.
13. Obukhov SK., Mukhamedova NM., Samoilenko AE., Sergienko VB. Monoclonal antibodies against GFAP for diagnostic of glial tumors. 12-th Congress of Soviet Radiologist. November 1990. Journal Med. Radiologii. Moscow. USSR. N8, 1990.
14. Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. Lymphokine activated killer cells (LAK) directed by bispecific antibody against brain tumor cells. XI European Congress of Neurological Societies, 1991. (Abstract).
15. Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. Lymphokine activated killer cell therapy for glioma and neuroblastoma using targeting by bispecific monoclonal (MoAb) and F(ab')₂ dimmers. The Ninth International Conference on Brain Tumor Research and Therapy. October 15-18, 1991, Asilomar, California, USA. (Abstract).
16. Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. Cytolytic activity of lymphokine activated killer (LAK) cells coated with bispecific anti-CD3/anti-NCAM or anti-CD16/anti-NCAM antibody against brain tumor cells. In Advances in the Applications of Monoclonal Antibodies in Clinical Oncology. Porto Carras, Halkidiki, Greece 8-13th May, 1991. (Abstract).
17. Obukhov SK., Glennie M., Kemshead JT., Coakham HB., Beverley PLC. Bispecific antibody conjugate enhance the cytotoxicity of LAK cells against glioma cell line U251. (1992) In book – Advances in the Application of Monoclonal Antibodies in Clinical Oncology. CHAPMAN&HALL, London, EDS.A Epenitos.

18. Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. The affect of bispecific monoclonal antibody and F(ab')₂ fragments on lymphokine activated killer cell cytotoxicity upon human neuroectodermal tumors. British Neuro-Oncology Group, Glasgow, 11-12 July, 1991. (Abstract).
19. Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. The cytotoxic action of lymphokine activated killer cells upon the human glioma cell line U251 is stimulated by monoclonal bispecific antibody (MoAB) constructs. Journal of Neurooncology 13:203-210. 1992.
20. Obukhov SK., deV Otto D., Copley I. Transtentorial and Supracerebellar Approaches in the Surgery of Pineal Region and Brainstem Tumors. 12th Biannual Neurosurgical Congress of South Africa, 1992. (Abstract).
21. Obukhov SK., Beverley PLC. Kemshead JT., Coakham HB. LAK-cell therapy for neuroectodermal tumors using targeting by bispecific monoclonal antibody and F(ab')₂ dimmers. 12th Biannual Neurosurgical Congress of South Africa, 1992.
22. Obukhov SK., LAK-cell therapy for neuroectodermal tumors using targeting. Federation of Neurosurgical Societies. Acapulco, Mexico. October 17-22, 1993. (Abstract).
23. Obukhov SK., Hankenson L., Manka M., Mawk JR. Multiple lumbar disk herniations in twelve year old twins. Child's Nervous System. (1996) 12:169-171.
24. Mawk JR., Obukhov SK., Shults WT. Recurrent traumatic blindness due to dolichoectasia of the internal corotid artery. Survey of Ophthalmology. 1995.
25. Mallye CL., Obukhov SK. Successful removal of large pineal region meningiomas: two case reports. Surgical Neurology, 1995, Dec. 44(6): 562-6.
26. Mawk JR., Obukhov SK., Nichols WD., Wynne TD. Odell JM. Urman ST. Successful conservative management of Gorham disease of the skull base and cervical spine. Child's Nerv. Syst. (1997) 13:622-625.
27. Nieto J., Obukhov SK. Extreme lateral approach for odontoid resection and craniocervical fusion-instrumentation. Spine, Science, Management Symposium. November 17-18,2000:p 53. (Abstr).
28. Obukhov SK., Nieto J., Johnson PJ. Anatomy of odontoid resection using an extreme lateral approach. 2001 AANS/SNS section on Disorders of the Spine and Peripheral Nerves Annual Meeting. Feb. 14-17. 69.
29. Obukhov SK., Krauss HR., Becker DB. Anterior keyhole approach to medial orbital apex and optic canal lesions (Anatomic and Operative correlations). North American Skull Base Society. Skull Base V.11, March 2001, p31.
30. Obukhov SK., Ishiama A. New approach to petrous apex granulomas using transoral rout and image-guidance. North American Skull Base Society. Skull Base V.11, March 2001, p31.

PRESENTATIONS AT INTERNATIONAL CONGRESSES

1. 7TH International Congress of Neurological Surgery, Toronto, Canada, 1981.
2. 14th International Cancer Congress, Budapest, Hungary, 1986.
3. International Congress on Isotope Labeled Antibodies and RIA kits. Obninsk, USSR, 1989.
4. 9th International Congress of Neurological Surgery, New Delhi, India, 1989.
5. International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, USA, 1989.
6. International Conference on Brain Tumor Research and Therapy, Asilomar, California, USA, 1991.
7. XI European Congress on Advances in the Applications of Monoclonal Antibodies in Clinical Neuro-Oncology, Porto Carras, Halkidiki, Greece, 1991.
8. X International Congress of Neurosurgical Surgery. World Federation of Neurosurgical Societies. Acapulco, Mexico. October 17-22, 1993.
9. 12th Annual Meeting of the North American Skull Base Society, Lake Buena Vista. Florida, 2001.
10. 17th Annual Meeting AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, Arizona. 2001.

PRESENTATIONS AT NATIONAL CONGRESSES

1. 4th Congress of Soviet Neurosurgeons, St. Petersburg, Russia, 1988.
2. 8th Congress of Soviet Radiologist, Moscow, Russia, 1990.
3. Annual Meeting of British Neurosurgeons, London, UK, Spring 1991.
4. Meeting of British Neuro-Oncology Group, Glasgow, UK, 1991.
5. 12th Biennial Neurosurgical Congress, Pretoria, RSA, 1992.
6. Spine, Science and Management. New Orleans. November.17-18, 2000.

MEMBERSHIP OF INTERNATIONAL SCIENTIFIC SOCIETIES

1. European Association of Neurosurgical Societies.
2. World Federation of Neurosurgical Societies.
3. International Pediatric Neurosurgical Society.
4. American Association of Neurosurgical Societies.
5. Congress of Neurological Surgeons.

TEACHING EXPERIENCE

- Supervision of Neurosurgical training.
- Lecturing in Neurosurgery and Neuro-Oncology.
- Faculty for MEDTRINIC minimally invasive spinal surgery course.

CLINICAL INTERESTS

- Minimally invasive and complex spinal reconstructive surgery

CURRENT UNIVERSITY AFFILIATIONS

- Clinical Professor Department of Neurosurgery
- Tulane University, New Orleans, LA. (2001).

