

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

**Diplomat of American Board of Neurological Surgery Fellow of American Association of Neurological Surgeons**

DATE AND PLACE OF BIRTH

06/03/1956, Dnepropetrovsk, USSR.

## **SCHOLASTIC ACHIEVEMENTS**

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

## **MEDICAL, POSTGRADUATE AND SPECIALIST TRAININGS**

1979.

### **studies and**

Second Moscow Medical Institute, Moscow. Achieved distinction in early medical 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**

1983.

1987. 1988.

**Chef Resident in Spine Surgery** (Aspirant), Burdenko Neurosurgical Institute, Academy of Medical Science of the USSR, Moscow. (Supervisor Professor A. Konovalov) Successfully passed exams in Neurosurgery. (Chairman of Qualification Commission Professor F Serbinenko) Visiting Professor in the Hungarian National Neurosurgical Center, Budapest, Hungary. **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. Visiting Professor in the University Clinic of **Neurosurgery, Vienna, Austria**. Pediatric Cranial Advancement fellowship. Queen Elizabeth Hospital and Birmingham Children's hospitals. Birmingham, UK. (Supervisor Mr. A. Hockley FRCS). General Surgery Intern, Oregon Health Science University, Portland, Oregon. **Neurosurgery** Resident and Skull

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

Base Fellow, UCLA Division of Neurosurgery, UCLA, Los Angeles. (Program Director Prof. Donald B. Becker)  
1993. 1991-1994

1996. 1997-2001

## SPECIALIZED RESEARCH TRAINING

1981-1984

PhD- 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**  
Visiting Scientist, Brain Tumor Research Laboratory, Department of Neurosurgery, Franchay Hospital, Bristol, UK. (Collaborator - Mr. H.B.Coakham)  
1989

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).

1988-1991

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. 1982.

1884.

1988.

1991-1994

1992-1994

National Board of Medical Examiners of the USSR Certificate D1 N 237742. Medical License in Neurosurgery of the Burdenko Neurosurgical Institute. **Academy of Medical Science of the USSR**. Certificate N 77. Diploma of Candidate of Medical Science (MD- Neurosurgery, Ph.D.- Biochemistry), Certificate N 020890. Certificate of

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

Scholarly Exchange and Collaboration in Neurosurgical Program, Columbia University in the City of New York, NY, USA. UK Certificate of Limited Registration as a Medical Practitioner, General Medical Council, United Kingdom. Registration No: 90/1597. South Africa Certificate of Limited Registration as a Medical Practitioner, General Medical Council, South Africa. Registration No: 91/6487. **USA Certificate of Limited License as Visiting Professor in Neurosurgery.** Board of Medical Examiners, Oregon, No: 5699. ECFMG Certificate Number 0-518-819-8. Licensed Physician and Surgeon, The Medical Board of California. No. A065490. Medical License State of Mississippi Board of Medical Licensure No. 17161. Medical License, Louisiana State Board of Medical Examiners. Medical License, Washington State Board of Medical **Examiners.** Diplomat of American Board of Neurological Surgery. Fellow of America Association of Neurological Surgeons.  
1993-1995

1995. 1998. 2001. 2002. 2002 2005 2010.

## **POSTGRADUATE APPOINTMENTS**

1984-1987

1987-1991

1990.

1991-1993

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

Visiting Professor in Neurosurgery, Good Samaritan, Emanuel and Providence Hospitals, Portland, Oregon. Clinical research fellow at John Mawk Pediatric Neurosurgery, Portland, Oregon. Clinical Professor, Department of Neurosurgery, Tulane University, New Orleans, LA. UCLA Santa Monica Clinical Staff Neurosurgeon.

1993-1994

1994-1995

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**  
1994-1995 2001-2004 2007-current

## RESEARCH RESPONSIBILITY

1987-1989

### 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. 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 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.

1987-1989

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.Kenshead, 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**); -complex spinal **reconstructive surgery**; -**minimally invasive spine surgery**.

## SPECIAL RESEARCH AREAS

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

-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. - motion preservation spine surgery.

## 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

**MD - 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.

## PUBLICATION

**Obukhov, SK., Kasumova SYu., KalashnikovVV.** Immunochemical studies of alfa-1 Organospecific antigen in different brain portions and tumors of the central nervous system. V. Oncologii USSR. Medicine. XXVII,N2,1982,p.61-64.  
**Obukhov SK.** Clinical and experimental study of alfa-i organospecific brain protein in patients with malignant brain tumors. Thesis of Dissertation. Ph.D. Moscow. Medicine. 1984.p.1-144. **Tatariniv YuS., Obukhov SK.** Immunoenzyme assay of brain specific alfa-1 globulin in glial tumors. V. Oncologii. USSR, Medicine 1985,XXXI.p. 76-79.  
**Obukhov SK.** Study of brain specific alfa-1 globulin in patients with glial tumors. V. Neurochirurgii. USSR. Medicine. 1985, N4, p.43-47. **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). **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). **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. **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). **Obukhov**



**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

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.

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. 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.

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. 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). 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')<sub>2</sub> dimmers. The Ninth International Conference on Brain Tumor Research and Therapy. October 15-18, 1991, Asilomar, California, USA.

(Abstract). 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). 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. **Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB.** The affect of bispecific monoclonal antibody and F(ab")<sub>2</sub> fragments on lymphokine activated killer cell cytotoxicity upon human neuroectodermal tumors. British Neuro-Oncology Group. Glasgow, 11-12 July, 1991. (Abstract). 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. **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).

Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. LAK-cell therapy for neuroectodermal tumors using targeting by bispecific monoclonal antibody and Fab')<sub>2</sub> dimmers.

12th Biannual Neurosurgical Congress of South Africa, 1992. Obukhov SK., LAK-cell therapy for neuroectodermal tumors using targeting, Federation of Neurosurgical Societies. Acapulco, Mexico. October 17-22, 1993. (Abstract). 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. **Mawk JR., Obukhov SK., Shults WT.**

Obukhov SK., Beverley PLC., Kemshead JT., Coakham HB. LAK-cell therapy for neuroectodermal tumors using targeting by bispecific monoclonal antibody and Fab')<sub>2</sub> dimmers.

12th Biannual Neurosurgical Congress of South Africa, 1992. Obukhov SK., LAK-cell therapy for neuroectodermal tumors using targeting, Federation of Neurosurgical Societies. Acapulco, Mexico. October 17-22, 1993. (Abstract). 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. **Mawk JR., Obukhov SK., Shults WT.**

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

Recurrent traumatic blindness due to dolichoectasia of the internal carotid artery. Survey of Ophthalmology. 1995. Mallowe CL., Obukhov SK. Successful removal of large pineal region meningiomas: two case reports. Surgical Neurology, 1995, Dec. 44(6): 562-6. Mawc 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. 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). 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. 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. Obukhov SK., Ishiama A. New approach to petrous apex granulomas using transoral route and image-guidance. North American Skull Base Society. Skull Base V.11, March 2001, p31. Contributor to Postoperative care Pathways Following Lumbar Total Disc Replacement. Result of Modified Delphi Approach, SPINE December 15 2019 - Volume 44 - PS1-S12.

## PRESENTATIONS AT INTERNATIONAL CONGRESSES

7TH International Congress of Neurological Surgery, Toronto, Canada, 1981. 14th International Cancer Congress, Budapest, Hungary, 1986. International Congress on Isotope Labeled Antibodies and RIA kits. Obninsk, USSR, 1989. 9th International Congress of Neurological Surgery, New Delhi, India, 1989. **International Symposium on Recent Advances in Drug Delivery Systems**, Salt Lake City, Utah, USA, 1989. **International Conference on Brain Tumor Research and Therapy**, Asilomar, California, USA, 1991. **XI European Congress** on Advances in the Applications of Monoclonal Antibodies in Clinical Neuro-Oncology, Porto Carras, Halkidiki, Greece, 1991. X International Congress of Neurosurgical Surgery. World Federation of Neurosurgical Societies. Acapulco, Mexico. October 17-22, 1993. 12th Annual Meeting of the North American Skull Base Society, Lake Buena Vista, Florida, 2001. 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. 8th Congress of Soviet Radiologist, Moscow, Russia, 1990. Annual Meeting of British Neurosurgeons, London, UK, Spring 1991. Meeting of British Neuro-Oncology Group, Glasgow, UK, 1991.

**Serge Obukhoff, M.D., Ph.D.**  
**8929 Wilshire Blvd, Suite 102**  
**Beverly Hills, Ca 90211**

121 Biennial Neurosurgical Congress, Pretoria, RSA, 1992 Spine, Science and Management. New Orleans. November 17-18, 2000.

eurosurgepoup, Glasgow, 1992. 7-18, 2000.

#### **MEMBERSHIP OF INTERNATIONAL SCIENTIFIC SOCIETIES**

American Association of Neurosurgical Societies. Congress of Neurological Surgeons. European Association of Neurosurgical Societies. World Federation of Neurosurgical Societies. International Pediatric Neurosurgical Society.

din fri

#### **TEACHING EXPERIENCE**

Supervision of Neurosurgical training. Lecturing in Neurosurgery and Neuro-Oncology. Faculty for MEDTRINIC minimally invasive spinal surgery courses. Faculty for Alphatec minimally invasive spinal surgery courses. Faculty and instructor for minimally invasive technics and presacral surgical approaches. Faculty and instructor for cervical and lumbar artificial disc replacement (ZIMMER, AESCULAP)

#### **CLINICAL INTERESTS**

Minimally invasive and complex spinal reconstructive surgery, cervical and lumbar artificial disc replacement

#### **CURRENT UNIVERSITY AFFILIATION**

Clinical Professor Department of Neurosurgery, Tulane University, New Orleans, LA (2001). UCLA Santa Monica Medical Center, Clinical Staff Neurosurgeon. Center for Minimally Invasive Spine Surgery - founder.

#### **PRIVATE PRACTICE**

ADDRESS:

Serge Obukhoff MD, PC 8929 Wilshire Blvd., Suite 102 Beverly Hills, CA, 90211 Tel: 310 795 2792

Dr. Serge Obukhoff MD, Ph.D. PO BOX 2060 Santa Monica, CA 90401 Tel: 310 795 2792