

Curriculum Vitae (CV)

Personal Data

Name Gabriele Wurm, Dr., Ass.Prof.
Adress Auhofstr. 11B/7, 1130 Vienna
Birthdata 12.4.1962, Linz, Austria
Family status three children
(born 1985, 1987, 1989)
Religion roman catholic
Nationality Austria



Education

1972.1980 Highschool with focus on modern languages, Kreuzschwestern, Linz, Austria
June 1980 Qualification for university entrance (baccalaureate)
1980.1988 Academic studies, Medical University Innsbruck, Austria
12.3.1988 Graduation as medical doctor („Doktor der gesamten Heilkunde“), Medical University Innsbruck, Austria
3/1991 – 5/1991 General medical education at the O.Ö. Landesnervenklinik (Regional Neuropathic Hospital) Wagner Jauregg (LNK), Linz, Austria
6/1991 – 5/1997 Special neurosurgical training at the Neurosurgical Department of the O.Ö. LNK, Linz, Austria
1993.2007 Regularly hospitations at the Medical University Hannover (MHH), at the Nordstadt Krankenhaus Hannover, and at the International Neuroscience Institute (INI) Hannover (Prof. Dr. med. Dr. h.c.mult. M. Samii, etc.)
1.6.1997 Graduation as Medical Specialist in the field of Neurosurgery
2001 Laser Education
2003 Course on university lectures and examinations (Medical University Innsbruck, Austria)
2004 Medical leadership training at the Academy for health care professionals, gespag (= Holding for Health and Hospital Affairs in Upper Austria, Linz, Austria)

- 7.12.2004 Postdoctoral lecture qualification for neurosurgery at the Medical University Innsbruck, Austria;
Habilitation treatise: „Digital three-dimensional surgical planning and intraoperative navigation“
- 2006/2007 Management and leadership education (economics, law, management skills, personal skills, technical skills for hospital management) at the Paracelsus University Salzburg, Austria, in cooperation with the Academy for Medicine and Management, Vienna (master thesis on stress management)
- 2004-2008 Courses on Medical Management
- 2008 Education on Fluorescence-Guided Resection of Gliomas with Gliolan (5-ALA), Aarau, Switzerland
- 2009 Course on process management, Certified Senior Process Manager (PROCON, WK O.Ö., WIFI)
- 2009 Course on Risk-Management (AssekuRisk, Vienna)

Languages German, English, French, Latin

Professional Practice, Occupation, Functions, Awards

- since 3/1991 Occupation at the LNK, Linz, Austria
- 5/1991-5/1997 Neurosurgical trainee at the LNK
- since 6/1997 Medical specialist for neurosurgery at the LNK, Linz, Austria
- since 1/2000 Deputy at the LNK, Linz, Austria
- 30.9.2000 Scientific Award of the Austrian Neurosurgical Society
- 1995.2001 Teaching activities for hospital nurses at the Academy of Medical Care at the LNK, Linz, Austria.
- 1998-2002 Teaching activities at the Academy of Ergotherapy at the LNK, Linz, Austria
- since 1998 Training supervisor at the neurotraumatology course of the AUVA, Vienna; member of the scientific board since 2010
- 1996/97 Member of the editorial board, CIS97, International congress on computer integrated surgery, Linz, 1997; in cooperation with CARS (Computer Assisted Radiology and Surgery) and ISCARS (International Society for Computer Aided Surgery)
- 2002.2003 Lectures at the Medical University Hannover (MHH) on the topic of „epilepsy surgery“ and on „neuronavigation“

since 2000	Mentoring and supervision of <u>dissertations (doctor theses) and diploma theses</u> of medical students, students of medical engineering, and hospital nurses (Vienna, Linz, Innsbruck; Austria)
2000-2010	<u>Consultation specialist</u> at the trauma hospital of the AUVA, Linz, Austria
since 2000	Neurosurgical <u>private ordination</u> , Linz, Austria
since 2005	<u>Chamber of Medicine</u> Upper Austria, board of arbitration
since 2005	<u>Lectures</u> at the <u>Medical University Innsbruck</u> , Austria: „Neuronavigation in neurosurgery“ and on other topics
since 2005	<u>Practical courses</u> with hands-on training for medical students, teaching hospital LNK, Linz, Austria
since 2005	Consultant and expert for brain and spine for “ <u>Krebshilfe Österreich</u> ” (cancer aid)
2005-2008	<u>Representative</u> of neurosurgical consultants in the Austrian Neurosurgical Society
2006-2007	Member of the <u>committee of bylaws</u> in the Austrian Neurosurgical Society
2006-2008	Member of the <u>executive board</u> in the Austrian Neurosurgical Society
2008-2010	Member of the <u>advisory council</u> in the Austrian Neurosurgical Society
2010-2013	Member of the <u>senate</u> in the Austrian Neurosurgical Society
since 2009	Member of the <u>committee for scientific teaching</u> of the „Medizinische Gesellschaft“ (Medical Society) Upper Austria in order to implement the <u>medical faculty in Linz</u> , Austria (which is starting October 2014)
2012/2013	Vice president of the <u>Medical Society Upper Austria</u>
since 2010	<u>Chairman</u> of the „Verein zur Förderung der Neurochirurgischen Wissenschaft und Forschung“ (non-profit association for <u>neurosurgical research</u>) at the LNK
since 2011	Member of the <u>Scientific Board SANO</u> (Austrian Society of Neuro-oncology)
since 2011	Member of the <u>Scientific Board NeuroLogisch</u> , Journal of the ÖGN, Austrian Society of Neurology
since 4/2013	<u>Neurosurgical consultant (deputy)</u> at the LNK, Linz
since 2011	<u>Assessor for habilitations</u> at the Medical University Innsbruck, Austria

2010-2013	<u>H</u> ead of Neurosurgical Department Linz, Austria
since 2004	Lecturer of Neurosurgery, Innsbruck and Linz, Austria
2014-2017	Courses in London/ UK, and Austria
since 2018	Neurosurgical Practice in Linz and Vienna, Austria

Memberships:

Austrian Neurosurgical Society

German Neurosurgical Society

Medizinische Gesellschaft für O.Ö. (Medical Society Upper Austria)

Member of the committee for scientific teaching (Med. Society Upper Austria)

Austrian Section der Liga against Epilepsy

ILAE (International League Against Epilepsy)

Member of the Landessanitätsrat O.Ö. (board for health and sanitary issues in Upper Austria, 2010–2013)

Chamber of Medicine Upper Austria (board of arbitration)

Krebshilfe Österreich (cancer aid) (consultant and expert for brain and spine)

CrossMentoring Upper Austria

Austrian Competence Circle for Clinical Pathways (A3CP)

Verein zur Förderung der Neurochirurgischen Wissenschaft und Forschung, Linz (non-profit association for neurosurgical research, chairman)

UUAG Leistungsmatrix, Strukturplan Österreich, GÖG, Vienna, member of the committee 2012

SANO (Austrian Society of Neuro-Oncology); member of the scientific board

NeuroLogisch, Journal of the ÖGN, Austrian Society of Neurology; member of the scientific board

Association of Neurotraumatology Vienna, (AUVA); member of the scientific board

Orthomolecular Association (ÖGOM), Vienna

Manuelle Medizin, Vienna

European Resuscitation Council

Scientific cooperation:

Medical Modelling, 101 Liberty Square Road, Boxborough, MA 01719, USA

RISK Software GmbH Johannes Kepler University, Linz, Austria

Poymer Institut of the Johannes Kepler University Linz, Austria

ACOCMF, Neurotraumatology, 2010, 2011

MED Austron Oberösterreich, Feasibility Studies

Department of Clinical Pharmacology, Brain microdialysis, Medical University Vienna

Main Publications in Neurosciences:

Virtual cerebral aneurysm clipping with real-time haptic force feedback in neurosurgical education.

Gmeiner M, [Dirnberger J](#)², [Fenz W](#)², [Gollwitzer M](#)³, [Wurm G](#)³, [Trenkler J](#)⁴, [Gruber A](#)³.
World Neurosurg 2018 Jan 11. pii: S1878-8750(18)30082-2. [Epub ahead of print]

Prognostic significance of telomerase-associated parameters in glioblastoma: effect of patient age.

Lötsch D, Ghanim B, Laaber M, **Wurm G**, Weis S, Lenz S, Webersinke G, Pichler J, Berger W, Spiegl-Kreinecker S.
Neuro Oncol. 2013 Apr;15(4):423-32. doi: 10.1093/neuonc/nos329.

„Intraoperative Bildgebung“, M.Lehner, G.Wurm, NeuroLogisch Fachmagazin für Neurologie, Offizielles Organ der Österreichischen Gesellschaft für Neurologie, 2013

Glioblastoma with the appearance of arteriovenous malformation: pitfalls in diagnosis.

Gmeiner M, Sonnberger M, **Wurm G**, Weis S.
Clin Neurol Neurosurg. 2013 May;115(5):501-6. doi: 10.1016/j.clineuro.2012.12.009.
Review.

Penetration of doripenem in human brain: an observational microdialysis study in patients with acute brain injury.

Poepl W, Zeitlinger M, Donath O, **Wurm G**, Müller M, Botha F, Illievich UM, Burgmann H.
Int J Antimicrob Agents. 2012 Apr;39(4):343-5. doi:
10.1016/j.ijantimicag.2011.11.019.

Cerebrovascular biomodeling for aneurysm surgery: simulation-based training by means of rapid prototyping technologies.

Wurm G, Lehner M, Tomancok B, Kleiser R, Nussbaumer K.
Surg Innov. 2011 Sep;18(3):294-306. doi: 10.1177/1553350610395031.

„Chirurgische Strategien bei Bandscheibenvorfällen an der Halswirbelsäule“, A. Grimmer, **G. Wurm**, JNNP2011, 12 (1), (Seniorautor) ISSN 1608-1587, p 23-30

High-grade brain tumours: Evaluation of new brain lesions by amino acid PET, Pichler R., Spiegl-Kreinecker S., **Wurm G**., Chapter ID 13, High grade tumours:Evaluation of New brain lesions by Amino Acid PET, M.A. Hayat (ed:9 Tumours of the Central Nervous System, Vol 4), Springer Science, in press

„Brain tumors: Clinical applications of functional magnetic resonance imaging and diffusion tensor imaging“, R.Kleiser, J.Nickel, R.J.Seitz, J.Trenkler, **G.Wurm**, High

grade tumours: Evaluation of New brain lesions by Amino Acid PET, M.A. Hayat (ed:9 Tumours of the Central Nervous System, Vol 4), Chapter 20, in press, (Seniorautor)

Sarcoidosis and radiation-induced astrogliosis causes pitfalls in neuro-oncologic positron emission tomography imaging by O-(2-[18F]fluoroethyl)-L-tyrosine.

Pichler R, **Wurm G**, Nussbaumer K, Kalev O, Silyé R, Weis S.

J Clin Oncol. 2010 Dec 20;28(36):e753-5. doi: 10.1200/JCO.2010.30.5763.

Is there a place for FET PET in the initial evaluation of brain lesions with unknown significance?

Pichler R, Dunzinger A, **Wurm G**, Pichler J, Weis S, Nussbaumer K, Topakian R, Aigner RM.

Eur J Nucl Med Mol Imaging. 2010 Aug;37(8):1521-8. doi: 10.1007/s00259-010-1457-6.

„Efficacy and safety of bevacizumab plus irinotecan in patients with recurrent malignant poor-prognosis glioma”, J.Pichler, S.Nöbauer, J.Buchroithner, W.Wies, J.Trenkler, **G.Wurm**, J Clin Oncol 28 (suppl), 2010

„Hirnabszess“, G.Wurm, NeuroLogisch, Fachmagazin für Neurologie, Offizielles Organ der Österreichischen Gesellschaft für Neurologie, Ausgabe 3/2010:p34-38

Segmental innervation in lumbosacral transitional vertebrae (LSTV): a comparative clinical and intraoperative EMG study.

Hinterdorfer P, Parsaei B, Stieglbauer K, Sonnberger M, Fischer J, **Wurm G**.

J Neurol Neurosurg Psychiatry. 2010 Jul;81(7):734-41. doi:

10.1136/jnnp.2009.187633.

Surgery in adult onset tethered cord syndrome (ATCS): review of literature on occasion of an exceptional case.

Aufschnaiter K, Fellner F, **Wurm G**.

Neurosurg Rev. 2008 Oct;31(4):371-83; discussion 384. doi: 10.1007/s10143-008-0140-x. Review.

Cerebral cavernous malformations associated with venous anomalies: surgical considerations.

Wurm G, Schnizer M, Fellner FA.

Neurosurgery. 2007 Jul;61(1 Suppl):390-404; discussion 404-6. doi:

10.1227/01.neu.0000279231.35578.da.

Surgical management of an ACM aneurysm eight years after coiling.

Pogády P, Fellner F, Trenkler J, **Wurm G**.

Minim Invasive Neurosurg. 2007 Apr;50(2):102-5.

Inhibition of TGF-beta2 with AP 12009 in recurrent malignant gliomas: from preclinical to phase I/II studies.

Hau P, Jachimczak P, Schlingensiepen R, Schulmeyer F, Jauch T, Steinbrecher A, Brawanski A, Proescholdt M, Schlaier J, Buchroithner J, Pichler J, **Wurm G**, Mehdorn M, Strege R, Schuierer G, Villarrubia V, Fellner F, Jansen O, Straube T, Nohria V, Goldbrunner M, Kunst M, Schmaus S, Stauder G, Bogdahn U, Schlingensiepen KH. Oligonucleotides. 2007 Summer;17(2):201-12.

Cavernous haemangiomas of the anterior visual pathways. Short review on occasion of an exceptional case.

Lehner M, Fellner FA, **Wurm G**.

Acta Neurochir (Wien). 2006 May;148(5):571-8; discussion 578. Review.

Cerebral cavernous malformations associated with venous anomalies: surgical considerations.

Wurm G, Schnizer M, Fellner FA.

Neurosurgery. 2005 Jul;57(1 Suppl):42-58; discussion 42-58.

Microneurosurgical water probe.

Pogády P, **Wurm G**.

Minim Invasive Neurosurg. 2005 Apr;48(2):123-5.

Whole body bone scintigraphy after parachute accident.

Pichler R, Krieglsteiner S, **Wurm G**, Adelwöhrer C, Fischer J.

Wien Klin Wochenschr. 2005 Feb;117(4):129.

Prospective study on cranioplasty with individual carbon fiber reinforced polymer (CFRP) implants produced by means of stereolithography.

Wurm G, Tomancok B, Holl K, Trenkler J.

Surg Neurol. 2004 Dec;62(6):510-21.

Implementation of T2*-weighted MR for multimodal image guidance in cerebral cavernomas.

Wurm G, Fellner FA.

Neuroimage. 2004 Jun;22(2):841-6.

[Collisiontumour composed of glioblastoma and meningioma-a case report].

Drlicek M, Aichholzer M, **Wurm G**, Bodenteich A, Fischer J.

Pathologe. 2004 Sep;25(5):402-5. German.

Acquired torticollis due to Grisel's syndrome: case report and follow-up of non-traumatic atlantoaxial rotatory subluxation.

Wurm G, Aichholzer M, Nussbaumer K.

Neuropediatrics. 2004 Apr;35(2):134-8.

Reduction of ischemic sequelae following spontaneous subarachnoid hemorrhage: a double-blind, randomized comparison of enoxaparin versus placebo.

Wurm G, Tomancok B, Nussbaumer K, Adelwöhrer C, Holl K.

Clin Neurol Neurosurg. 2004 Mar;106(2):97-103.

Cerebrovascular stereolithographic biomodeling for aneurysm surgery. Technical note.

Wurm G, Tomancok B, Pogady P, Holl K, Trenkler J.

J Neurosurg. 2004 Jan;100(1):139-45.

Distinct supratentorial lesions mimicking cerebral gliomas.

Wurm G, Parsaei B, Silye R, Fellner FA.

Acta Neurochir (Wien). 2004 Jan;146(1):19-26; discussion 26.

Evaluation of neuronavigation in lesional and non-lesional epilepsy surgery.

Wurm G, Ringler H, Knogler F, Schnizer M.

Comput Aided Surg. 2003;8(4):204-14.

Thoracic intra- and extramedullary cavernous hemangioma associated with innumerable cerebral vascular malformations: case report and review of the

literature.

Wurm G, Nussbaumer K, Kotzina L.
Cerebrovasc Dis. 2003;16(3):297-301. Review.

Recurrent cryptic vascular malformation associated with a developmental venous anomaly.

Wurm G, Schnizer M, Nussbaumer K, Wies W, Holl K.
Br J Neurosurg. 2003 Apr;17(2):188-95. Review.

Osteoidosteoma

Holl K, **Wurm G**, Nussbaumer K, Drlicek M, Wurm J.
Rontgenpraxis. 2001;54(2):56-61. _

Expression and functional activity of the ABC-transporter proteins P-glycoprotein and multidrug-resistance protein 1 in human brain tumor cells and astrocytes.

Spiegel-Kreinecker S1, Buchroithner J, Elbling L, Steiner E, Wurm G, Bodenteich A, Fischer J, Micksche M, Berger W. J Neurooncology 2002 Mar;57(1):27-36

[Traumatic extraparenchymal hemorrhage of the posterior cranial fossa as a warning sign of atlanto-axial instability].

Holl K, Rolli K, Olschowski A, Nussbaumer K, **Wurm G**.
Rontgenpraxis. 2001;54(1):14-20.

Advanced surgical approach for selective amygdalohippocampectomy through neuronavigation.

Wurm G, Wies W, Schnizer M, Trenkler J, Holl K.
Neurosurgery. 2000 Jun;46(6):1377-82; discussion 1382-3.

Microsurgical management of a complicated aneurysmal endovascular embolisation with GDC coil: a case report.

Pogády P, Mustafa H, Wies W, Lungenschmid K, **Wurm G**, Tomancok B, Holl K, Fischer J.

Neurosurg Rev. 1998;21(2-3):206-9.

Visualization of injected embolic material.

Drlicek M, Müller-Uri P, **Wurm G**, Fischer J.
Am J Surg Pathol. 1997 Jul;21(7):868-9.

Three cases of hindbrain herniation in adults with comments on some diagnostic difficulties.

Wurm G, Pogady P, Markut H, Fischer J.
Br J Neurosurg. 1996 Apr;10(2):137-42.

[Stereotaxically guided versus ultrasound guided surgery--a comparative report of experiences].

Tomancok B, Holl K, **Wurm G**, Pogady P, Fischer J.
Zentralbl Neurochir. 1996;57(3):123-8.

Subdural hemorrhage of the cauda equina. A rare complication of cerebrospinal fluid shunt. Case report.

Wurm G, Pogady P, Lungenschmid K, Fischer J.
Neurosurg Rev. 1996;19(2):113-7.

[Traumatic injury of the internal carotid artery in the extracranial segment. Description of a severe late complication].

Wurm G, Löffler W, Wegenschimmel W, Fischer J.
Chirurg. 1995 Sep;66(9):916-9.

Composite cerebral metastasis and oligodendroglioma: an exceptional form of mixed neoplasia.

Wurm G, Huber A, Hiertz H, Fischer J, Cervos-Navarro J.
Neurosurg Rev. 1994;17(4):291-4. Review.

[Stereotaxic biopsy of brain tumors].

Pogády P, Hiertz H, **Wurm G**, Olschowski A, Fischer J.
Bratisl Lek Listy. 1993 Oct;94(10):547-50. Slovak

[The role of the neurosurgeon in histopathologic diagnosis].

Pogády P, **Wurm G**, Huber A, Weis W, Fischer J.
Bratisl Lek Listy. 1993 Sep;94(9):494-9. Slovak

[Neuralgia of the glossopharyngeal nerve with syncope attacks].

Fischer J, Hiertz H, **Wurm G**, Wies W.
Neurochirurgia (Stuttg). 1993 Jan;36(1):14-6. German

[Percutaneous lumbar thermal sympathectomy: method, indications and results].

Huber A, **Wurm G**, Witzmann A, Fischer J.
Neurochirurgia (Stuttg). 1992 May;35(3):85-8.