

# CUURICULUM VITAE

## Nom, prénom

Dr Kurzbuch, Arthur Robert

## Diplômes obtenus

11/2002 : Diplôme de médecin

12/2002 : Doctorat en médecine

06/2010 : Titre de spécialiste en neurochirurgie

## Position professionnelle actuelle

05/2019

Médecin chef,  
Service de Neurochirurgie,  
Hôpital du Valais

02/2017

Honorary Researcher  
Oxford University Hospitals NHS Foundation Trust,  
John Radcliffe Hospital,  
Oxford, Grande Bretagne

## Activités professionnelles précédentes

03/2017 – 04/2019

Médecin adjoint,  
Service de Neurochirurgie,  
Hôpital du Valais

02/2016 – 01/2017

Pediatric Fellow in Neurosurgery,  
Oxford University Hospitals NHS Foundation Trust,  
John Radcliffe Hospital  
Oxford, Grande Bretagne

01/2012 – 02/2016

Chef de clinique,  
Service de Neurochirurgie  
Ospedale Regionale di Lugano, Lugano

04/2009 – 12/2011

Chef de clinique,  
Service de Neurochirurgie  
CHUV - Centre Hospitalier Universitaire Vaudois,  
Lausanne

10/2006 – 03/2009	Médecin assistant Service de Neurochirurgie HUG - Hôpitaux Universitaires de Genève, Genève
04/2006 – 09/2006	Médecin assistant Soins Intensifs HUG - Hôpitaux Universitaires de Genève, Genève
02/2005 – 03/2006	Médecin assistant Service de Neurochirurgie Krankenhaus Nordstadt, Hannover, Allemagne
10/2004 – 12/2004	Médecin assistant Service de Neurologie HUG - Hôpitaux Universitaires de Genève, Genève
10/2003 – 09/2004	Médecin assistant Service de Neurochirurgie HUG - Hôpitaux Universitaires de Genève, Genève
01/2003 – 06/2003	Médecin assistant Service de Neurochirurgie INI - International Neuroscience Institute, Hannover, Allemagne

## **Formations**

09/2019	Formation pour investigateurs cliniques en éthique de la recherche et bonnes pratiques de la recherche Clinique (GCP) – Cours Investigateur & Cours Investigateur-promoteur
09/2014	Biostatistics, Lugano
01/2014	Course of Good Clinical Practice, Modules 1-3, Lugano

## **Recherche**

Chiari I chez les patient(e)s pédiatriques

Résection des tumeurs de la fosse postérieure chez les patient(e)s pédiatriques :  
Rôle de l'ultrason – IRM-intraopératoire

## Publications

Hallak B, **Kurzbuch AR**, Fournier JY, Bouayed S (2020)  
Spontaneous transthemoidal meningoencephalocele presenting in the form of recurrent unilateral nasal discharge: discussion of the diagnosis and endoscopic surgical management  
BMJ Case Rep 13:e234703. doi:10.1136/bcr-2020-234703

**Kurzbuch AR**, Magdum S (2020) Cerebrospinal fluid goes astray no matter what is in the way: occipital intradiploic pseudomeningocele and de novo syringomyelia following foramen magnum decompression for Chiari I malformation in a pediatric patient.  
J Neurosurg Pediatr. doi: 10.3171/2019.12.PEDS19427. [Epub ahead of print].

**Kurzbuch AR**, Fournier JY (2019) Tuberos Sclerosis Complex with lung involvement.  
J Neurosci Rural Pract. DOI: 10.1055/s-0039-3401965

**Kurzbuch AR**, Jayamohan J, Magdum S (2019) Decompressive surgery for Chiari I malformation in children without dural repair: a still effective and safe procedure?  
Childs Nerv Syst. 35(10):1839-1846

**Kurzbuch AR**, Fournier JY (2019) Os odontideum.  
J Neurosci Rural Pract. 2019;10(1):125

**Kurzbuch AR**, Recoules-Arche D (2018) Minimal invasive lumbar spine revision surgery at distance from the dura and postsurgical scar tissue: Extraforaminal Lumbar Interbody Fusion (ELIF).  
J Clin Neurosci. 47:332-336

**Kurzbuch AR**, Magdum S (2017) Constant dripping wears away the bone: Intraosseous C2 and suboccipital intradiploic cerebrospinal fluid collection after Chiari I decompressive surgery. Case report.  
Acta Neurochir. 159(10):1999-2002

**Kurzbuch AR**, Kaech D, Baranowski P, Baranowska A, Recoules-Arche D (2017) Extraforaminal Lumbar Interbody Fusion at the L5-S1 Level: Technical Considerations and Feasibility. J Neurol Surg A Cent Eur Neurosurg. 78(5):507-512

**Kurzbuch AR**, Magdum S, Jayamohan J (2017) Intradiploic pseudomeningocele and ossified occipitocervical pseudomeningocele after decompressive surgery for Chiari I malformation: report of two cases and literature review. Neurosurg Rev. 40(2):345-350

**Kurzbuch AR**, Magdum S (2016) Chiari I malformation as part of the Floating-Harbor syndrome? Eur J Med Genet. 59(12):615-617

**Kurzbuch AR**, Recoules-Arche D (2017) Epidural Fibrosis Seen from a Different Angle: Extraforaminal Lumbar Interbody Fusion. J Neurol Surg A Cent Eur Neurosurg. 78(1):82-86

**Kurzbuch AR** (2015) Does Size Matter? Decompressive surgery under review. Neurosurg Rev. 38(4):629-40

Goulouti E, Renard D, **Kurzbuch A**, Wiesel P, Merz L (2012) Hypertension intracrânienne idiopathique: quand y penser? Forum Med Suisse. 12(11):247-49

**Kurzbuch AR**, Rilliet B, Vargas MI, BoexC, Tessitore E (2010) Coincidence of cervical spondylotic myelopathy and intramedullary ependymoma: a potential diagnostic pitfall. J Neurosurg Spine. 12(3):249-52

**Kurzbuch AR**, Momjian A, Nicoucar K, Momjian S (2009) Extreme sensitivity of hearing to decrease of ICP in Menière's disease. Acta Neurochir. 151(8):1005-8

Rollnik JD, Schröder C, Rodriguez-Fornells A, **Kurzbuch AR**; Däuper J, Möller J, Münte TF (2004) Functional lesions and human action monitoring: combining repetitive transcranial magnetic stimulation and event-related brain potentials. *Clinical Neurophysiol.* 115(1):145-53

Rodriguez-Fornells A, **Kurzbuch AR**, Münte TF (2002) Time course of Error Detection and Correction in Humans: Neurophysiological Evidence. *J Neurosci.* 22(22):9990-6

Thorns U, **Kurzbuch A**, Radtke C, Pabst R (2001) Kursus der Praktischen Anatomie. Erfahrungen mit einem ergänzenden, freiwilligen Präparierkurs in den Semesterferien. *Medizinische Ausbildung.* 18:175-76

## Poster

Recoules-Arche D, Kaech D, Baranowski P, Baranowska A, **Kurzbuch AR**. ELIF at L5-S1. Extraforaminal Lumbar Interbody Fusion at the lumbosacral level. A 100 Patient retrospective Study. 19th international ArgoSpine Symposium, Paris Spine Meeting, 01/2015, Paris, France

**Kurzbuch AR**, Momjian A, Nicoucar K, Momjian S. Extreme sensitivity of hearing to decrease of ICP in Menière's disease. 60th Annual Meeting of the German Society of Neurosurgery, 05/2009, Münster, Allemagne

## Présentations orales

**Kurzbuch AR**, Jayamohan J, Magdum S. Decompressive surgery for Chiari I malformation in children without dural repair: A still effective and safe procedure? 10/2019, Birmingham, Grande Bretagne

**Kurzbuch AR**, Jayamohan J, Magdum S  
Amelioration of CSF flow by creating a  
pseudomeningocele that enlarges the cisterna  
magna in pediatric Chiari I patients – uncommon  
complications.  
09/2019, Vancouver, Canada

**Kurzbuch AR**, Jayamohan J, Magdum S  
Foramen magnum decompression in pediatric  
Chiari I malformation without dural repair –  
uncommon complications and how to avoid them.  
06/2019, Buffalo, New York, USA

**Kurzbuch AR**, Jayamohan J, Magdum S  
Surgical treatment of paediatric Chiari I  
malformation: foramen magnum decompression  
with dura left open, in 70 patients.  
07/2018, Birmingham, Grande Bretagne

**Kurzbuch AR**  
Traitement des fractures de la colonne vertébrale.  
2<sup>e</sup> symposium du Trauma Center Valaisan, Les  
traumas neurologiques.  
11/2017, Sion

**Kurzbuch AR**, Reinert M  
Traumi cranio-cerebrali: oltre la lesione focale;  
modifiche neurobiologiche post-traumatiche nella  
fase acuta e sub-acuta.  
03/2014, Lugano

**Kurzbuch AR**  
Chirurgia dell'ernia discale cervicale: quali novità?  
Simposio patologia degenerativa del rachide  
cervicale e patologia tumorale midollare,  
Formazione multidisciplinare.  
06/2013, Lugano

**Kurzbuch AR**  
Trattamento conservativo? Endovascolare?  
Chirurgico?  
Simposio multidisciplinare di medicina

endovasculaire, emorragie ed aneurismi cerebrali.  
02/2013, Lugano

Jenny B, **Kurzbuch AR**, Scolozzi P, Jaques B,  
Rilliet B.

Experiences of nine cranioplasties with patient  
specific implants for large skull defects.  
Joint Annual Meeting, Swiss Society of  
Neurosurgery & Swiss Society of Maxillo-Facial  
Surgery.  
10/2007, Lugano

## **Enseignement**

Dès 05/2019

Responsable de la formation post-graduée et de  
recherche  
Service de neurochirurgie, Hôpital de Sion

Enseignement au lit du malade  
Service de neurochirurgie, Hôpital de Sion

## **Affiliations**

FMH – Fédération des médecins suisses

SGNC – Société Suisse de Neurochirurgie

SMVS – Société Médicale du Valais

EANS - European Association of Neurosurgical  
Societies

ISHCSF - International Society for Hydrocephalus  
and Cerebrospinal Disorders

ISPN - International Society for Pediatric  
Neurosurgery

AOSpine

GMC - General Medical Council

## **Langues parlées**

Français

Allemand

Italien

Anglais