

Dr. med. Duccio Boscherini

Specialista in Neurochirurgia, membro FMH

Profile

Work experience

- 2013 - Ospedale Universitario di Ginevra, Switzerland Consultant Neurosurgeon
- 2013 - Clinica Ars Medica - Gravesano - Switzerland, Neurochirurgo in Private Practice
- 2012 - Clinique de la Source - Lausanne - Switzerland, Neurosurgeon in Private Practice
- 2010 - Università Vita-Salute San Raffaele - Milano - Italy, Associate Professor
- Hôpital de Jolimont - Belgium, Chief of Neurosurgical Unit
- Ospedale Regionale di Lugano -Switzerland, Full Staff Neurosurgeon
- Ospedale Regionale di Lugano - Switzerland, Deputy Chief for Neurosurgery
- Università Cattolica - Policlinico A. Gemelli - Italy, Pediatric Neurosurgery Fellowship
- Université Libre de Bruxelles - Hôpital Erasme - Belgium, Departments of Neurology and Neurosurgery
- Assistant Professor of Prof. Concezio Di Rocco
- Assistant Professor of Prof. Jerzy Hildebrand and Prof. Jacques Brotchi
- Université Libre de Bruxelles - Hôpital Erasme - Belgium, Neuro Intensive Care Rotation
- Assistant Professor del Prof. Jean-Louis Vincent Transcranial Doppler Training
- Université Libre de Bruxelles - Hôpital Erasme, General Surgery Training
- Thoracic Surgery Rotation
- Vascular Surgery Rotation
- Université Libre de Bruxelles - Hôpital Erasme - Belgium, Neurosurgery Training
- Assistant Professor of Prof. J. Brotchi
- Université Catholique de Louvain - Cliniques Universitaire St.Luc - Belgium, Neurosurgery Training
- Assistant Professor of Prof. C. Raftopoulos
- Université Catholique de Louvain - Cliniques Universitaire St.Luc - Belgium, Stroke Unit
- Vascular Neurosurgery Rotation
- Université Catholique de Louvain - Cliniques Universitaire St.Luc - Belgium, Neurosurgery, Chief Resident
- Attending for Oncological Neurosurgery and Pediatric Neurosurgery
- Medtronic Lecturer
- Founder of the Swiss Pediatric Neurosurgery Group

Education

- Neurosurgery Residency ☒ Université Catholique de Louvain - Cliniques Universitaires St.Luc - Belgium Université Libre de Bruxelles - Hôpital Erasme - Belgium ☒
- Research and Clinical Fellowship, University of Illinois at Chicago, IL - USA
- Neuroanatomy Tutor Neuropathology Fellow
- Catholic University of Rome Experimental research on: «*Effects of cervical spinal cord stimulation on cerebral blood flow : experimental study*»
- European Baccalauréat, European School of Luxembourg
Chemistry/Biology/Mathematics
- Post-Graduation White Paper : “Cerebral Aneurysms: Surgery vs. Coiling” *Journal of Neurosurgery* 2000 Aug; 93(2):175-82

Memberships

- Swiss Neurosurgical Society ☒
- Swiss Society for Spinal Surgery
- Swiss Pediatric Neurosurgery Group ☒
- Société Belge de Neurochirurgie ☒
- European Society for Pediatric Neurosurgery ☒
- European Association of Neurosurgical Societies ☒
- Italian Society for Neurosurgeons ☒
- Congress of Neurological Surgeons (USA) ☒
- American Association of Neurological Surgeons - Spine Section

Publications

- **Boscherini D**, Nizegorodcew T, Puca A. Atypical Askin Tumor. Case report and review. *J Neurol Sc* 1991; 12,99
- Cioni B, Meglio M, Visocchi M, **Boscherini D** ☒ Spinal Cord Stimulation Improves motor control in spinal cord injury. *Clinical and Neurophysiological Study* ☒ *Acta Medica* 1991; 28:162-172
- Visocchi M, **Boscherini D**, Cioni B, Meglio M, Perotti V, Puca A, Valenti N. ☒ Experimental model for the study of cerebral haemodynamics during Spinal Cord Stimulation. *Arguments of Neurosonology*. Cerisoli M, Limoni O Ed. 9.1991
- Duprez T, Raftopoulos C, **Boscherini D**, Cosnard G. ☒ Magnetic resonance (MR) evaluation of a modified surgical technique in hydrosyringomyelia-Chiari complex. A case report. ☒ *Acta Neurol Belg* 1997,1:50-51
- Raftopoulos C, **Boscherini D**, Scordidis V, Janah M, Duprez Th, Cosnard G. La neuronavigation avec le système MKM de Zeiss. ☒ *Neurone* 1997, 2:241-3.
- Kadhim H, Proano PG, Saint Martin C, **Boscherini D**, Clapuyt P. ☒ Spinal neurenteric cyst presenting in infancy with chronic fever and acute myelopathy. *Neurology* 2000 May 23;54(10):2011-5
- Raftopoulos C, Mathurin P, **Boscherini D**, Billa RF, Van Boven M, Hantson P. Prospective analysis of aneurysmal treatment in a series of 103 consecutive patients when endovascular embolization is considered as first option. ☒ *J Neurosurg* 2000 Aug;93(2):175-82
- **Boscherini D**, Mazzuchelli L, Pesce G, Pintucci M, Renella R. ☒ Neuroendoscopic Management of a solitary Pineal Region Tumors. Case of an Adenocarcinoma Metastasis Minim Invasive Neurosurgery 2006 Aug; 49(4): 247-50
- Ramelli GP, **Boscherini D**, Kehrli P, Rilliet B. Spontaneous spinal epidural hematomas in children: can we prevent a negative prognosis?--reflections on 2 cases *J Child Neurol* 2008 May;23(5):564-7
- Carota A, **Boscherini D** ☒ Exertional acute epidural cervical hematoma *Eur Neurol* 2009;62(2):127 SWISSpine: a nationwide registry for health technology assessment of lumbar disc prostheses Schluessmann E, Diel P, Aghayev E, Zweig T, Moulin P, Röder C, et al. ☒ *Eur Spine J*. 2009 Jun;18(6):851-61
- Rilliet B, Pittet B, Montandon D, Narata AO, de Ribaupierre D, Schils F, **Boscherini D**, Di Rocco C, Ducrey N. Orbitotemporal facial involvement in type 1 neurofibromatosis (NF1) ☒ *Neurochirurgie* 2010 Apr-Jun;56 (2-3): 257-70
- Ramelli GP, Cortesi C, **Boscherini D**, Faggini R, Bianchetti MG. Age-dependent presentation of tectal plate tumors: preliminary observations *J Child Neurol*. 2011 Mar;26(3):377-80
- Barbero M, **Boscherini D** ☒ Lumbar Synovial Cyst ☒ *J Orthop Sports Phys Ther* 2011 Jul;41(7):533

- **Boscherini D**, M. Barbero, Duc S, Chalaron M. Congenital absence of L4-L5 articular facet joint Spine J. 2012 Dec;12(12):1163-4

Abstract

- Visocchi M, **Boscherini D**, Cioni B, Perotti V, Puca A. Haemodynamic variations during Spinal Cord Stimulation: experimental. XVI National Congress of the Italian Society of Surgery, Trieste, Italy, May 1991
- **Boscherini D**, Velardi F, Iannelli A, Di Rocco C. Growing skull fracture in infants. Series of eleven cases and review of literature. XLII National Congress of the Italian Neurosurgical Society, Naples, Italy, September 1993
- **Boscherini D**, Dujovny M, Ausman J. Microanatomy of the Intervertebral Foraminal Ligaments. X International Congress of the World Federation of Neurological Surgery, Acapulco, Mexico, March 1993
- **Boscherini D**, Noterman J, Brotchi J. Teflon-induced intracranial granuloma: case report. Société Belge de Neurochirurgie, Leuven, Belgium, March 1994
- Brotchi J, **Boscherini D**, Noterman J. Management of Giant Intracranial Aneurysms: personal experience. International Workshop on Cerebrovascular Surgery, Chicago, U.S.A., 1995
- Raftopoulos C, **Boscherini D**, Leproux F. Key-hole surgery pour une fistule artérioveineuse frontale alimentée par une artère éthmoïdale antérieure. Société Française de Neurochirurgie. Les Saisies, January 1995.
- **Boscherini D**, Raftopoulos C, Thys JP, Quintin J, Balériaux D, Brotchi J. Lumbar mycobacterium Xenopos osteomyelitis: case report. Acta Neurol Belgica 1995;95:108 (Abstract)
- **Boscherini D**, Raftopoulos C, David Ph, Salmon I, Brotchi J. Enterogenous Cyst in the Thoracic Spinal Canal: Case Report. Acta Neurol Belgica 1996;96:161-2. (Abstract)
- **Boscherini D**, Raftopoulos C, Janah M, Mathurin P. Surgical Treatment of Cerebral Aneurysms Refused for Endovascular Treatment. Acta Neurol Belgica 1997; 97:137
- Scordidis V, Raftopoulos C, **Boscherini D**, Rectem D, Cosnard G. Delta Valve Shunting Procedure in Surgical Treatment of Normal Pressure Hydrocephalus. Acta Neurol Belgica 1997; 97:140
- Janah M, Raftopoulos C, Peeters A, **Boscherini D**, Thauvoy C, Duprez T. Hernie Médullaire Thoracique: A Propos d'une Observation. Acta Neurol Belgica 1997; 97:142
- Thauvoy C, **Boscherini D**, Papadopoulos J, Godfraind C, Raftopoulos C. An Unusual Presentation of a Posterior Fossa Pilocytic Astrocytoma. Acta Neurol Belgica 1997; 97:143
- Raftopoulos C, **Boscherini D**, Capron I, Mathurin P. Treatment and prognosis of cerebral aneurysms showing contrast extravasation during angiography. Joint Winter Meeting of the French Society of Neurosurgery, Val Thorens, January 1998
- Scordidis V, Raftopoulos C, **Boscherini D**, Nassogne MC, Godfraind C. Neurenteric cyst : about three cases. Société Royale Belge de Neurochirurgie, Mars 1998
- Capron I, Raftopoulos C, **Boscherini D**, Mathurin P. Extravasation of contrast medium during angiography. Société Royale Belge de Neurochirurgie, March 1998
- **Boscherini D**, Raftopoulos C, Godfraind C, Cosnard G. Cystic vestibular schwannomas : a neuroimaging and clinicopathological study of five cases. Société Royale Belge de Neurochirurgie, March 1998
- Raftopoulos C, Hurrell A, **Boscherini D**. Morbidité de l'ouverture de la vallée sylvienne gauche. SNCLF, Juin 1998, Nantes, France
- Scordidis V, Raftopoulos C, **Boscherini D**, Nassogne MC, Godfraind C. Les kystes neurentériques: à propos de quatre cas. SNCLF, June 1998, Nantes, France.
- **Boscherini D**, Raftopoulos C, Mathurin P, Van Boven M, Scholtes JL. Traitement des anévrysmes récusés pour l'embolisation. SNCLF, December 1998, Paris.
- Thauvoy C, **Boscherini D**, Collard A, Godfraind C, Raftopoulos C. Convexity meningioma and glioblastoma collision. Société Royale Belge de Neurochirurgie, Brussels, 1999.
- **Boscherini D**, Raftopoulos C, Godfraind C, Collard A, Cosnard G, Gersdorff M. Meningeal melanocytomas: report of two cases. Société Royale Belge de Neurochirurgie, Brussels, 1999
- Raftopoulos C, Mathurin P, **Boscherini D**, Billa F, Van Boven M. Evolution de

traitement neurochirurgical des anévrismes intracrâniens lorsque l'embolisation par spires de Guglielmi est envisagé en première intention. Société de neurochirurgie de langue Française, Paris, December 1999

- **Boscherini D**, Raftopoulos C, Mathurin P, Hantson P, Van Boven M, Van De Wyngaert F. Effet de l'administration in- traventriculaire / intrathécale de rTPA dans les hémorragies sous-arachnoïdiennes sur rupture d'un anévrysme traité par embolisation: résultats préliminaires. Société de neurochirurgie de langue Française, Paris, December, 1999
- **Boscherini D**, Raftopoulos C, Mathurin P, Hantson P, Van Boven M, Van De Wyngaert F. Effects of t-PA administra- tion in Subarachnoid Hemorrhage following aneurysmal rupture treated by GDC Coiling. Société Royale Belge de Neurochirurgie, Brussels, Belgium, March 2000
- **Boscherini D**, Raftopoulos C, Thauvoy C, Saint-Martin C, Sebire G. Hydrocéphalie chez l'Enfant Achondroplase Traitée par Décompression du Foramen Jugulaire Société de Langue Française de Neurochirurgie, Reims, France, June 2000
- **Boscherini D**, Renella R. Poor grade ruptured aneurysms : outcome analysis. Joint Meeting of the Belgian and Swiss Societies of Neurosurgery, Pontresina Switzerland, March 21 - 23, 2001
- Lengele B, **Boscherini D**. Modeling and design of a custom made cranium implant for a large skull reconstruction before a tumor removal. Phidias Newsletter nr. 6, june 2001
- **Boscherini D**, Ramelli GP, Renella R Intraventricular neuroendoscopic tumor biopsy: efficacy and limitations Con- gress of the ESPN. June 14-18, 2002. Kiruna-Sweden
- **Boscherini D**, Freuler C. Failed PLIF: about a series of 12 cases. 5th International Disc Cage and Prosthesis Meeting: "Spinal Restabilization 2003". March 9-13, 2003. Lenzerheide-Schweiz
- **Boscherini D**, Renella R, Freuler C. Extreme-lateral posterior thoracic approach with instrumentation: about a series of nine cases. 5th International Disc Cage and Prosthesis Meeting: "Spinal Restabilization 2003". March 9-13, 2003. Lenzerheide-Schweiz
- **Boscherini D**, Renella R. Brainstem Expanding Cyst: case report Anglo-French Joint meeting of Pediatric Neuro- surgery. June 3, 2003. Evian-France.
- Ramelli G, **Boscherini D**, Wyttenbanch. Gliomes du tectum et leur présentation neurologique. Société Européenne de Neurologie Pédiatrique. 27-30 November 2003. Porto-Portugal.
- **Boscherini D**, Kehrl, B. Rilliet. Spontaneous spinal epidural haematomas in children. Can we prevent a bad evolution ? Reflexion about 2 cases. Biennal Congress of the ESPN. May 6-9, 2004. Rome-Italy
- **Boscherini D**, Renella R, Robotti G. Single-stage posterior vertebrectomy and replacement with posterior instrumen- tation for thoracic spine. Series of 17 cases. SSNC/SSO joint meeting. 22-25 September, 2004. Montreux-Suisse
- **Boscherini D**, Renella R, Robotti G. Reconstruction after anterior cervical decompression for myelopathy. Efficacy of distractable cage with screwable wing to the vertebral body. Series of 29 cases. SSNC/ SSO joint meeting. September 22- 25, 2004. Montreux-Suisse
- Rilliet B, **Boscherini D**, Di Rocco C, de Ribaupierre S. Experience in Neurofibromatosis. 33rd Annual Meeting of the International Society for Pediatric Neurosurgery. 11-15 September, 2005. Vancouver-Canada
- **Boscherini D**, Raimondi M, Tschuor S, Renella R. C5 radiculopathy with severe deltoid paralysis. Outcome after sur- gical decompression. Series of eight cases. Schweizerischen Neurologischen Gesellschaft Jahrestagung der Schweizerischen Gesellschaft für Neurochirurgie. 27. - 29. Oktober 2005, OLMA Messen, St. Gallen-Schweiz
- **Boscherini D**, Pintucci M, Ramelli G, Renella R. A Scale for Plagiocephaly grading. Personal Experience. 3rd SPNG meeting. February 8, 2006. St.Gallen-Schweiz
- **Boscherini D**, Pezzoli V, Morisoli, Leuthardt R, Ramelli G. A scale in assessment and decision-making in posterior deformational plagiocephaly. Società Svizzera di Pediatria. June 22-23, 2006. Bern-Schweiz.
- Ramelli G, **Boscherini D**, Kehrl P, Rilliet B. Spontane spinale epidurale Hämatome bei Kindern: Können wir einen ungünstigen Verlauf verhindern? Überlegungen an zwei Fällen. Neurowoche 2006 Arbeitsgemeinschaft Klinische Neurowissenschaften.

September 20-24, 2006. Manheim-Deutschland.

- **Boscherini D.** Ottimizzare i percorsi riabilitativi: patologie neurochirurgiche. Simposio 2006. Il futuro della medicina riabilitativa. L'apertura delle frontiere. Clinica Hildebrand. 6-7 Ottobre 2006. Brissago-Svizzera
- **Boscherini D.** Use of fenestrated screws in lumbar osteoporotic fracture. Preliminary prospective study in a series of 20 cases. Spine and peripheral nerves section. March 15-18 2008. Orlando, FL. USA
- **Boscherini D.** 3D rotational intraoperative imaging in posterior cervical surgery. 2nd Meeting of the Intraoperative Imaging Society. June 14-16, 2009, Istanbul-Turkey
- **Boscherini D,** Sturiale C. Accuracy and safety adjunct of O-Arm in Posterior Cervical C1-C2. Screwing: prospective series of 23 cases. New Trends in Instrumentation and Techniques in Spinal Surgery. June 25-26, 2010. Rome-Italy
- **Boscherini D.** Clinical study: accuracy of neuronavigated O-Arm image-guided surgery of the thoracic spine. 3rd Meeting of the Intraoperative Imaging Society. January 16-19, 2011, Zürich-Schweiz
- **Boscherini D,** Yerly R, Pintucci M, Barbero M. Clinical Study on Accuracy Measurement of Neuronavigated O-Arm Image-guided Surgery of the Thoracic Spine 27th Annual Meeting of the AANS/ CNS Section on Disorders of the Spine and Peripheral Nerves. March 9-12, 2011. Phoenix, AZ. USA
- **Boscherini D,** Pintucci M. Apporto del O-Arm nella chirurgia del Rachide. Esperienza di 3 anni e 800 casi. 60° Congresso Nazionale della Società Italiana di Neurochirurgia. June 6-9, 2011. Firenze-Italy
- **Boscherini D.** Image-guidance and robotics in spine surgery: current applications and future perspectives. October 9-14, 2011. European Congress of Neurosurgery. Rome-Italy
- **Boscherini D.** Application of O-Arm in the Cervical Spine. 18th Swiss Trauma Course. November 2-4, 2011. Strasbourg-France

Awards

- 1998, Bayer Young Neurosurgeon Award. Recherche clinique de l'effet du r-TPA dans l'hémorragie sous arachnoïdienne. Montréal, Canada
- 1999, FNRS - Belgique FRSM 3.4584.98 - "Génie de la Réhabilitation Neurale" (GREN) Université Catholique de Louvain
- 2008, Fondazione Zegna. Donation for Intraoperative imaging development

Research

- University of Illinois at Chicago - U.S.A. Micro-Neurosurgery Laboratory. Anatomical study on intraforaminal ligaments of the lumbar spine
- Université Libre de Bruxelles - Hôpital Erasme - Belgium. Clinical study phase II in N-MDA antagonists in severe head trauma
- Université Catholique de Louvain. Laboratoire de Génie de la Réhabilitation Neurale
- 1st Symposium, Lugano 14-15 november 2002, Scuola Universitaria Professionale della Svizzera Italiana - Switzerland
- Biomechanical study of the cervical spine
- Key Opinion Leader for Fenestrated Screws and O-Arm

Accreditation

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Specialties

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