

DICHIARAZIONE SOSTITUTIVA DELL'ATTO DI NOTORIETA' (D.P.R. 445/00 ART. 47) Il sottoscritto Salvatore CHIBBARO nato il 12/11/1966 a Lercara Friddi e residente a Lercara Friddi in Viale delle Rose 2, codice fiscale: CHBSVT66S12E541P consapevole della responsabilità penale cui può andare incontro in caso di dichiarazioni mendaci, ai sensi e per gli effetti dell'art. 76 del D.P.R. 445/2000, dichiara che tutto quanto dichiarato e elencato nel curriculum formativo e professionale sotto riportato corrisponde al vero.

## CURRICULUM VITAE

**DR. SALVATORE CHIBBARO MD, PhD**

### Neurochirurgo

Data di nascita 12 Novembre 1966

Luogo di Nascita Lercara Friddi (Palermo)

Recapito Viale delle Rose 2, 90025 Lercara Friddi (PA)

Telefono Abitazione: 091/8521098  
Cellulare IT: +39348-6535527  
Cellulare FR: +33668619964  
FAX: 091/8521098  
Email: [schibbaro@hotmail.com](mailto:schibbaro@hotmail.com)

Stato civile Libero

Iscrizione ordine dei medici Della Provincia di Palermo N°: 11130

UK General Medical Council Registration N°: 4376462

Iscrizione ordine dei Medici Strasburgo Francia N°: 67/10447

### **Membro Associazioni Scientifiche**

- CNS Congress of Neurological Surgeon
- SIACH Società Internazionale di Anatomia Chirurgica
- SNCLF Société de Neurochirurgie de Langue Française
- SIB Società Italiana del Basicranio
- Sinch Società Italiana di Neurochirurgia
- SNO Società Italiana Neurologi, Neurochirurghi e Neuroradiologi Ospedalieri
- EANS European Association of Neurosurgical Societies
- WSS World Spinal Society

## CURRICULUM STUDIORUM

Maturità Scientifica c/o Istituto "Mauro Picone" Lercara Friddi (PA)

### STUDI UNIVERSITARI

- Facoltà di Medicina e Chirurgia Università degli studi Palermo Novembre 1985; Laurea, 16 Luglio 1991

- Corso di specializzazione in Neurochirurgia Università degli studi Catania (Professor Vincenzo Albanese). Specializzazione, 30 Settembre 1999
- "MD" on "Hind brain Hernia and Syringomyelia. CSF dynamic study using cine-MRI and intraoperative ultrasound". Neuroscience Centre University of Nottingham UK 1998-1999
- "PhD" Bio-tecnologico Università Paris VII "René Diderot" 31/05/2013

### DIPLOMI E QUALIFICHE PROFESSIONALI

- Abilitazione Nazionale a Professore di II° fascia disciplina Neurochirurgia 2012.
- Master di Microchirurgia 9/2010-6/2011 Ecole Chirurgie Paris.
- EANS Board Examination in Neurosurgery (February 2006)
- Certificato ATLS conseguito c/o Università Pisa 22/6/2001
- Certificato BLS conseguito c/o 118 Livorno 18/5/2001

### Qualificazioni in corso

- 11/2014 Iscrizione Master 2 /inter-universitario di Neuro-oncologia (durata di 2 anni)  
 10/2015 Iscrizione Master 2/ Inter-universitario di Radiochirurgia (durata di 2 anni)

### ESPERIENZE DI LAVORO

FEB 2012 – Oggi	<b><u>Neurochirurgo Hopital Universitaire de Strasbourg</u></b> <b><u>Responsabile dell'Unità di ospedalizzazione "6801" a valenza dipartimentale (26 posti letto); Direttore/Referente della Sezione/Modulo di Chirurgia del Basicranio; Responsabile della qualità e gestione del rischio clinico in Neurochirurgia</u></b>
MAR 2009 - GEN 2012	Aiuto di Neurochirurgia a tempo pieno incaricato (Dottorando Paris VII René Diderot). Hopital Lariboisiere Paris
NOV 2008 – FEB 2009	Dirigente Medico di Neurochirurgia Azienda Universitaria "Ospedali Riuniti Trieste"
GEN 2007 – OTT2008	Comando finalizzato per approfondire le tecniche di approccio al basicranio e all'arteria vertebrale. Hopital Lariboisiere Paris (Prof B. Gorge)
OTT- DIC 2006	AO-EANS Fellowship in Cranio-Vertebral Junction Surgery. Hopital Lariboisiere Paris (Prof B. Gorge)
APR 04 - SETT 2006	Dirigente Medico di Neurochirurgia Azienda Universitaria "Ospedali Riuniti Trieste"
GEN 00 - MAR 04	Dirigente Medico di Neurochirurgia ASL 6 Livorno
GEN – SETT 99	Specializzando di Neurochirurgia: "Queen's Medical Centre" Nottingham UK
OTT - DIC 98	Specializzando di Neurochirurgia: Istituto di Neurochirurgia Ospedale Garibaldi Catania
GEN – SETT 98	Specializzando di Neurochirurgia: "Queen's Medical Centre" Nottingham UK

OTT - DIC 97 Specializzando di Neurochirurgia: Istituto di Neurochirurgia Ospedale Garibaldi Catania

GEN - SETT 97 Specializzando di Neurochirurgia: "Atkinson Morley's Hospital" Londra - UK

GIU - DIC 96 Specializzando di Neurochirurgia: Ospedale CANNIZZARO Catania

NOV 95 - MAGG 96 Specializzando di Neurochirurgia: Istituto di Neurochirurgia Ospedale Garibaldi Catania

DIC 93 - OTT 95 Medico Contrattista con funzioni assistenziali Sezione Autonoma Neurochirurgia Policlinico di Palermo

AGO 91 - NOV 93 Medico volontario Neurochirurgia Ospedale Civico di Palermo

### RICERCA

MAR 2012 – Oggi Coordinatore studio internazionale (Università strasburgo "FR", Università Napoli "IT", Università Coventry "UK"): **Skull Base reconstruction in extended endonasal endoscopic approaches, "the challenge"**

OTT 2011 – Oggi Coordinatore studio internazionale (Università strasburgo "FR", Università Napoli "IT", Università Coventry "UK"): **Endoscopic approaches to foramen magnum vs traditional open approaches**

LUG 2010 – GIU 2011 Coordinatore Studio Monocentrico Hopital Laribosiere Università Paris VII: **Impact of Cranioplasty On Cerebral Perfusion (CCP) Finanziato Unità ricerche cliniche Hopital Laribosiere Paris**

GEN 2009 DIC 2010 Coordinatore Studio Monocentrico Università Paris VII: **Skull bone flap fixation--comparative experimental study to assess the reliability of a new grip-like titanium device (Skull Grip) versus traditional sutures. Finanziato Unità ricerche cliniche Hopital Laribosiere Paris**

MAR 2009 – Oggi Coordinatore Studio Internazionale (Hopital Laribosiere Paris, Osp Cannizzaro CT, Osp Maggiore Parma) **Studio del metabolismo e flusso cerebrale nel traumatizzato cranico grave, nell'emorragia cerebrale, subaracnoidea e nelle trombosi maligne dei seni durali. Influenza della cranioplastica sul flusso e metabolismo cerebrale con valutazione PET, TAC e RM di perfusione e doppler transcranico; Implicanze della ricostruzione cranica nell'outcome dei pazienti e valutazione clinico neurologica e cognitiva. Finanziato Unità ricerche cliniche Hopital Laribosiere Paris e Laboratorio INSERM (Omologo CNR) Hopital St Louis Paris**

MAR 2009 – Oggi Coordinatore Studio Internazionale (Hopital Laribosiere Paris, Osp Cannizzaro CT, Osp Maggiore Parma) **Timing della cranioplastica. Finanziato Unita ricerche cliniche Hopital Laribosiere e Laboratorio INSERM Hopital St Louis Paris**

MAR 2009 – Oggi Coordinatore Studio Monocentrico (Hopital Laribosiere, Università Paris VII) **Messa a punto di un sistema innovativo per la**

**realizzazione della craniectomia decompressiva/cranioplastica.  
Finanziato Unità ricerche cliniche Hopital Lariboisiere Paris e  
Laboratorio INSERM Hopital St Louis Paris**

- GEN 2008 – Oggi Investigatore Studio Internazionale University of Cambridge: **The rescue.icp study**
- 2000/2002 Investigatore studio monocentrico: **Utilizzo della “Temozolomide” nel trattamento dei gliomi cerebrali di alto grado. Studio di fase II, Spedali Riuniti Livorno Italia**
- 1999 Investigatore trial internazionale per la cura dei Gliomi cerebrali **“GLIADEL RPR 301” Neuroscience Centre “University Hospital Nottingham” UK**
- 1998 - 1999 Coordinatore studio monocentrico: **Valutazione della dinamica liquorale al forame magno nella Siringomielia e sindrome di Chiari con l’ausilio della cine-RM e l’ ultrasonografia intra-operatoria. Neuroscience centre “University Hospital Nottingham” UK**

**Membro della Faculty e/o direttore di corsi/workshop Internazionali**

“Microscopic and Endoscopic Approaches to the Skull Base” IRCAD Strasbourg June 3<sup>rd</sup> – 5<sup>th</sup> 2015

Minimally Invasive skull base approaches. Messina Italy 13<sup>th</sup> – 14<sup>th</sup> February 2015

“Microscopic and Endoscopic Approaches to the Skull Base” IRCAD Strasbourg January 21<sup>th</sup> – 23<sup>rd</sup> 2015

Faculty “Acoustic Neuroma Meeting: Meet the expert”. Strasbourg (France) – 5<sup>th</sup> July 2013

Faculty “Skull Base perspective” Naples (Italie) - 20-22 May 2013

Direttore corso:

3<sup>rd</sup> International “SKULL BASE ENDOSCOPIC SURGERY COURSE” NICE (France) 27<sup>TH</sup> – 29<sup>TH</sup> JUNE 2012

Direttore corso:

International “SKULL BASE ENDOSCOPIC SURGERY COURSE” MESSINA (Italy) 7<sup>TH</sup> – 8<sup>TH</sup> October 2013

2<sup>nd</sup> International “SKULL BASE ENDOSCOPIC SURGERY COURSE” PARIS (France) 28<sup>TH</sup> – 29<sup>TH</sup> JUNE 2011

Faculty P2P Baxter course: « Chirurgie de la base du crane: de l’ouvert à l’approche endoscopique pure » Vienne 27-29 Janvier 2011

Co-direttore corso:

“SKULL BASE ENDOSCOPIC SURGERY” FROM PITUITARY FOSSA TO CRANIO - CERVICAL JUNCTION PARIS (France) 16 - 18 juin 2010

## FREQUENZA CORSI TEORICO-PRATICI

- Tubingen 6th Skull Base Course: "Approaches to the posterior Fossa" Microsurgical Anatomy – Dissection - Live-Surgery. Tubingen Germany July 04 – 05/2012
- Skull base endoscopic surgery workshop. UPMC Pittsburgh 13th – 17th September 2009
- XIX. European Workshop on Basic Techniques of Microsurgery April 19<sup>th</sup> - 22<sup>nd</sup>, 2006 University of Vienna Austria
- MICROSURGERY AND MICROSURGICAL ANATOMY OF BASAL CISTERNS AND BRAIN VESSELS. 6-8/10/2005 University of Alicante Spain
- MINICOURSE ON CEREBROVASCULAR MICRONEUROSURGERY. 16/9/2005 University Hospital Siena Italy
- COMPREHENSIVE SPINE COURSE. 19-21/5/2005 Murnau Germany
- IV<sup>th</sup> THEORETICAL AND PRACTICAL COURSE OF NEUROENDOSCOPY. 6-7/12/2004 University Hospital Turin Italy
- 4<sup>th</sup> CENTRAL EUROPEAN MICROVASCULAR NEUROSURGICAL WORKSHOP. 24-26/11/2004 Ceske Budejovice (CZK)
- EANS TRAINING COURSE 4<sup>th</sup> YEAR. 22-26/8/2004 Krakow (PL)
- VIII<sup>th</sup> ITALIAN COURSE OF APPLICATED MICRONEUROSURGERY. 30/6 - 3/7 - 2004 University Hospital Aquila Italy
- EANS TRAINING COURSE 3<sup>rd</sup> YEAR. 1-5 June 2003 Amsterdam
- THE 2<sup>nd</sup> M. GAZI YASARGIL LIVE DEMONSTRATION COURSE IN OPERATIVE MICRONEUROSURGERY. 17-20/6/2002 Helsinki Finland
- EANS TRAINING COURSE 2<sup>nd</sup> YEAR. 3-7/2/2002 Rome Italy
- EANS TRAINING COURSE 1<sup>st</sup> YEAR. 11-15/2/2001 Prague CZK
- COURSE IN IGS. 20-21/7/2000 Cologne Germany
- TRAINING & HANDS-ON COURSE ON CEREBRAL NEURONAVIGATION. 29/6/2000 Naples Italy
- 17<sup>th</sup> INTERNATIONAL COURSE IN NEUROSURGERY BY WFNS. 6-11/12/1999 Hannover Germany (Director Prof. M. Samii)
- 16<sup>th</sup> INTERNATIONAL COURSE IN NEUROSURGERY BY WFNS. 11-16/12/1998 Hannover Germany (Director Prof. M. Samii)
- COURSE IN NEUROANATOMY FOR NEUROSURGEONS (By The Royal College of Surgeons of England). 3-4/6/1997 London (UK)

### Presentazioni personali a corsi e congressi internazionali:

- **Reconstruction techniques and strategies in endoscopic skull base surgery.** Microscopic and Endoscopic Approaches to the Skull Base" IRCAD Strasbourg June 3<sup>rd</sup> – 5<sup>th</sup> 2015
- **Evolution of anterior skull base approach. Minimally** invasive skull base approaches course. Messina Italy 13<sup>th</sup> – 14<sup>th</sup> February 2015
- **Endoscopic Transclival approaches.** "Microscopic and Endoscopic Approaches to the Skull Base" IRCAD Strasbourg January 21<sup>th</sup> – 23<sup>rd</sup> 2015
- **Neuroendoscopic management of posterior third ventricle and pineal region tumors: technique, limitation, and possible complication avoidance.** Endomilano 2014, 6<sup>th</sup> World congress for endoscopic surgery of the brain, skull base and spine. Milan 14-17 April 2014
- **Anterior trans-frontal endoscopic management of colloid cyst: Case series and technical note from a multicenter prospective study.** Endomilano 2014, 6<sup>th</sup> World congress for endoscopic surgery of the brain, skull base and spine. Milan 14-17 April 2014
- **Endoscopic Transclival approaches.** "SKULL BASE ENDOSCOPIC SURGERY COURSE" MESSINA (Italy) 7<sup>TH</sup> – 8<sup>TH</sup> October 2013
- **Haemostasis in and through the nose.** "SKULL BASE ENDOSCOPIC SURGERY COURSE" MESSINA (Italy) 7<sup>TH</sup> – 8<sup>TH</sup> October 2013
- **Endoscopic Transclival approaches.** "Skull Base perspective" Naples (Italy) 20-22 May 2013
- **Endoneurosurgery Suite (skull base endoscopy equipment).** International skull base endoscopic course. NICE (France) 27<sup>TH</sup> – 29<sup>TH</sup> JUNE 2012
- **Endoscopic Transclival approaches.** International skull base endoscopic course. NICE (France) 27<sup>TH</sup> – 29<sup>TH</sup> JUNE 2012
- **Cervical lateral route.** "New trends in instrumentations and technologies in spine surgery. Rome 25-26 June 2010".
- **Endoneurosurgery Suite (skull base endoscopy equipment).** "Skull base endoscopy from pituitary fossa to C2" Hands on workshop Paris 16-18 June 2010.
- **Meningiomes "En Plaque" speno-orbitaires: strategie chirurgicale et facteurs de recidives dans une serie 71 patients.** Reunion annuelle de la Société de Neurochirurgie de Langue Française. Paris 1-3 Novembre 2009
- **Schwannomes en sablier des nerfs mixtes: traitement chirurgical, résultats et complications dans une série de 16 patients.** Reunion annuelle de la Société de Neurochirurgie de Langue Française. Paris 1-3 Novembre 2009
- **Decompressive craniectomy in severe head injury.** 4<sup>TH</sup> Congress of Croatian Neurological Society. 9-12/11/2005 Zagreb Croatia
- **The use of image guided surgery (virtual fluoroscopy) in managing acute odontoid fracture with anterior single screw. A safe, effective, nice, easy and fast way to follow.** 12<sup>th</sup> European congress of neurosurgery. Lisbon (Portugal) 7-12 September 2003
- **Persistent headache after acoustic neuroma surgery. The cause and possible solution.** British Skull Base Society Meeting, Dublin 14-15 February 2000.
- **Audit of penetrating orbital-cranial injuries by non-missile foreign bodies. Some new findings for discussion.** SBNS Meeting, Cork 1-3 September 1999
- **Lessons from a syringomyelia audit.** SBNS Meeting, Brighton 23-25 September 1998 .
- **Audit of penetrating orbital-cranial injuries by non-missile foreign bodies. Some new findings for discussion..** SBNS Meeting, Cork 1-3 September 1999.
- **The use of image guided surgery (virtual fluoroscopy) in managing acute odontoid fracture with anterior single screw. A safe, effective, nice, easy and fast way to follow.** 12<sup>th</sup> European congress of neurosurgery. Lisbon (Portugal) 7-12 September 2003

## Coordinatore REVISIONI CLINICHE (Clinical Audit)

- 2012 - 2015 Coordinatore Audit Morbilità-Mortalità Hopital de Hautepierre Strasbourg  
2008 - 2011 Coordinatore Audit Morbilità-Mortalità Hopital Laribosiere Paris  
2005 - 2006 Audit Morbilità-Mortalità. SC di Neurochirurgia Ospedale Cattinara Trieste  
2004 Audit clinica: l'emorragia subaracnoidea. SC di Neurochirurgia Ospedale Cattinara Trieste  
2004 Audit clinica: accuratezza della compilazione della cartella clinica SC.  
2003 Accuracy of House Officer, Registrar and Senior Staff/Consultant prescribing.  
2003 Neurosurgery and pregnancy.  
2002 Bladder dysfunction following elective lumbar microdiscectomy.  
2002 Accuracy of EVD and VP shunt placement by SHO, Registrar, Registrar, Senior Staff  
1999 Clinical audit of Anterior Cervical Micro-foramenotomy and Microdiscectomy Reparto di  
1999 Clinical audit of Headache After Acoustic Neuroma Surgery  
1998 Clinical Audit of Hind Brain Hernia and Syringomyelia

## PUBBLICAZIONI

Cebula H, **Chibbaro S**, Santin MN, Kremer S, Chaussemy D, Proust F. Thalamic rosette-forming a glioneuronal tumor in an elderly patient: Case report and literature review. *Neurochirurgie*. 2015 Dec 16. pii: S0028-3770(15)00276-3. doi: 10.1016/j.neuchi.2015.10.003. [Epub ahead of print] PubMed PMID: 26705911.

Pop R, Manisor M, Aloraini Z, **Chibbaro S**, Proust F, Quenardelle V, Wolff V, Beaujeux R. Foramen magnum dural arteriovenous fistula presenting with epilepsy. *nterv Neuroradiol*. 2015 Oct 15. [Epub ahead of print]

Bonfort G, Veillon F, Debry C, Kehrli P, **Chibbaro S**. VIIIth nerve cavernous hemangioma mimicking a stage 1 acoustic schwannoma. *Neurochirurgie*. 2015 Oct;61(5):352-5. Epub 2015 Oct 1.

Pop R, **Chibbaro S**, Manisor M, Proust F, Beaujeux R. Spontaneous thrombosis of a basilar tip aneurysm after ventriculoperitoneal shunting. *BMJ Case Rep*. 2015 Jul 6;2015. pii: bcr2015011841. doi: 10.1136/bcr-2015-011841.

Chaussemy D, Cebulla H, Coca A, **Chibbaro S**, Proust F, Kehrli P. Interest and limits of endoscopic approaches for pineal region tumours. *Neurochirurgie*. 2015 Apr-Jun;61(2-3):160-3. doi: 10.1016/j.neuchi.2015.03.001. Epub 2015 Apr 21. Review.

Dali-Youcef N, Froelich S, Moussallieh FM, **Chibbaro S**, Noël G, Namer IJ, Heikkinen S, Auwerx J. Gene Expression Mapping of Histone Deacetylases and Co-factors, and Correlation with Survival Time and (1)H-HRMAS Metabolomic Profile in Human Gliomas. *Sci Rep*. 2015 Mar 20;5:9087.

**Chibbaro S**, Gory B, Marsella M, Tigan L, Herbrecht A, Orabi M, Bresson D, Baumann F, Saint-Maurice JP, George B, Kehrli P, Houdart E, Manisor M, Pop R. Surgical management of spinal dural arteriovenous fistulas. *J Clin Neurosci*. 2014 Oct 7. pii: S0967-5868(14)00549-9. doi: 10.1016/j.jocn.2014.07.024. [Epub 2014 Oct 7]

Mathon B, Ducros A, Bresson D, Herbrecht A, Mirone G, Houdart E, Saint-Maurice JP, Di Emidio P, George B, **Chibbaro S**. Subarachnoid and intra-cerebral haemorrhage in young adults: Rare and underdiagnosed. *Rev Neurol (Paris)*. 2014 Jan 8. pii:S0035-3787(13)01045-X. doi: 10.1016/j.neurol.2013.07.032. [2014 Jan 8]

**Chibbaro S**, Champeaux C, Poczos P, Cardarelli M, Di Rocco F, Iaccarino C, Servadei F, Tigan L, Chaussemy D, George B, Froelich S, Kehrl P, Romano A. Anterior trans-frontal endoscopic management of colloid cyst: an effective, safe, and elegant way of treatment. Case series and technical note from a multicenter prospective study. *Neurosurg Rev.* 2013 Dec 19.

**Chibbaro Salvatore**, Vallee Fabrice, Marsella Marco, Tigan Leonardo, Lilin Thomas, Lecuelle Benoit, George Bernard, Kehrl Pierre, Vicaut Eric, Diemidio Paolo. The "Skull Flap" a new conceived device for decompressive craniectomy experimental study on dogs to evaluate the safety and efficacy in reducing intracranial pressure and subsequent impact on brain perfusion. *Journal of Neurosciences in Rural Practice* 10/2013 4(4):421-426

**Chibbaro S**, Tigan L, Marsella M, George B, Galzio R, Kehrl P, Vicaut E, Diemidio P. The "Skull Flap" a new conceived device for decompressive craniectomy/cranioplasty: Feasibility study on cadaver specimen. *J Neurosci Rural Pract.* 2013 Jul;4(3):283-7.

**Chibbaro S**, Cornelius JF, Froelich S, Tigan L, Kehrl P, Debry C, Romano A, Herman P, George B, Bresson D. Endoscopic endonasal approach in the management of skull base chordomas-clinical experience on a large series, technique, outcome, and pitfalls. *Neurosurg Rev.* 2013 Nov 19.

Champeaux C, Jecko V, Penchet G, **Chibbaro S**. Scalp Arteriovenous Fistula Following Hair Transplantation. *Clin Neuroradiol.* 2013 Jul 26. [Epub ahead of print] PubMed PMID: 23887623.

**Chibbaro S**, Vallee F, Beccaria K, Poczos P, Makiese O, Fricia M, Mateo J, Gobron C, Guichard JP, Romano A, Levy B, George B, Vicaut E. The impact of early cranioplasty on cerebral blood flow and its correlation with neurological and cognitive outcome. Prospective multi-centre study on 24 patients. *Rev Neurol (Paris).* 2012 Oct 17.

**Salvatore Chibbaro**, M. Fricia, F. Vallee, K. Beccaria, P. Poczos, J. Mateo, A. Romano, S. Ippolito, M. Ippolito, J. P. Guichard, C. Gobron, B. George, E. Vicaut. The impact of early cranioplasty on cerebral blood flow and metabolism and its correlation with neurological and cognitive outcome: Prospective multi-center study on 34 patients. *Indian Journal Neurosurgery* Vol. 1:1;17-22 Jan-Mar 2012

Vladislav P, Bernard G, **Chibbaro S**. Chronic subdural haematoma management: an iatrogenic complication. Case report and literature review. *BMJ Case Rep.* May 23;2012

**Chibbaro S**, Di Rocco F, Makiese O, Reiss A, Poczos P, Mirone G, Servadei F, George B, Crafa P, Polivka M, Romano A. Neuroendoscopic management of posterior third ventricle and pineal region tumors: technique, limitation, and possible complication avoidance. *Neurosurg Rev.* 2012 Jan 19.

**Chibbaro S**, Mirone G, Yasuda M, Marsella M, Di Emidio P, George B. Vertebral Artery Loop-A Cause of Cervical Radiculopathy. *World Neurosurg.* 2011 Dec 10.

**Chibbaro S**, Makiese O, Bresson D, Hamdi S, Cornelius JF, Guichard JP, Reiss A, Bouazza S, Vicaut E, Ricci A, Galzio R, Poczos P, George B, Marsella M, Di Emidio P. Skull Bone Flap Fixation - Reliability and Efficacy of a New Grip-Like Titanium Device (Skull Grip) versus Traditional Sutures: A Clinical Randomized Trial. *Minim Invasive Neurosurg.* 2011 Oct;54(5-6):282-5.

**Salvatore Chibbaro et al.** Oblique corpectomy to manage cervical myeloradiculopathy. *Neurol Res Int.* 2011;2011:734232. doi: 10.1155/2011/734232. Epub 2011 Oct 19.



Makiese O, **Chibbaro S**, Marsella M, Tran Ba Huy P, George B. Jugular foramen paragangliomas: management, outcome and avoidance of complications in a series of 75 cases. *Neurosurg Rev.* 2011 Sep 23.

Yasuda M, Bresson D, **Chibbaro S**, Cornelius JF, Polivka M, Feuvret L, Takayasu M, George B. Chordomas of the skull base and cervical spine: clinical outcomes associated with a multimodal surgical resection combined with proton-beam radiation in 40 patients. *Neurosurg Rev.* 2011 Aug 24.

**Chibbaro S**, Di Rocco F, Mirone G, Fricia M, Makiese O, Di Emidio P, Romano A, Vicaut E, Menichelli A, Reiss A, Mateo J, Payen D, Guichard JP, George B, Bresson D. Decompressive craniectomy and early cranioplasty for the management of severe head injury: a prospective multicenter study on 147 patients. *World Neurosurg.* 2011 Mar-Apr;75(3-4):558-62.

**S Chibbaro**, G Mirone, M Nouri, P Di Emidio, M Polivka, M Marsella, B George. Dorsal epidural spinal lipomatosis. *BMJ Case Reports* 2011;

Bernard R, Vallee F, Mateo J, Marsella M, George B, Payen D, **Chibbaro S**. Uncontrollable high-frequency tachypnea: a rare and nearly fatal complication of endoscopic third ventriculostomy: case report and literature review. *Minim Invasive Neurosurg.* 2010 Oct;53(5-6):270-2.

**Salvatore Chibbaro**, Giuseppe Mirone, Alexander Carpentier, Emmanuel Bayonne, Ammar Oudjit, Bernard George. Lateral approach for treating severe upper cervical spondylosis causing dysphagia in the elderly. *Indian J Otolaryngol Head Neck Surg.* 62 5Suppl 2): S194-S196

**Salvatore Chibbaro**, Giuseppe Mirone, Marco Marsella, Damien Bressen, Bernard George. Cervical Spine Lateral Approach to Manage Myelo-Radiculopathy: Lessons Learned from 20 Years Experience. *WScJ* 3: 169-175, 2010

**Chibbaro S**, Di Rocco F, Makiese O, Mirone G, Marsella M, Lukaszewicz AC, Vicaut E, Turner B, Hamdi S, Spiriev T, Di Emidio P, Pirracchio R, Payen D, George B, Bresson D. Neurosurgery and elderly: analysis through the years. *Neurosurg Rev.* 2010 Apr;34(2):229-34.

Antonio Romano, **Salvatore Chibbaro**, Marco Marsella, Gabriele Oretti, Toma Spiriev, Corrado Iaccarino, Franco Servadei Combined Endoscopic Transsphenoidal-Transventricular Approach for Resection of a Giant Pituitary Macroadenoma. *World Neurosurgery* Jul 2010 74 [1]: 161-164

Sarov M, Guichard JP, **Chibbaro S**, Guettard E, Godin O, Yelnik A, George B, Boussier MG, Vahedi K;DECIMAL investigators. Sinking skin flap syndrome and paradoxical herniation after hemispherectomy for malignant hemispheric infarction. *Stroke.* 2010 Mar;41(3):560-2.

Makiese O, **Chibbaro S**, Hamdi S, Mirone G, George B. Huge proliferating trichilemmal tumors of the scalp: report of six cases. *Plast Reconstr Surg.* 2010 Jul;126(1):18e-9e.

Mirone G, **Chibbaro S**, et al. En plaque sphenoid wing meningiomas: recurrence factors and surgical strategy in a series of 71 patients. *Neurosurgery.* 2009 Dec;65(6 Suppl):100-8; discussion 108-9.

Di Emidio P, **Chibbaro S**, et al. Double skull lymphangioma. Case report and review of the literature. *Orbit.* 2009;28(5):293-6. Review.

Mirone G, Bouazza S, **Chibbaro S**, et al. Primary malignant rhabdoid tumour of the brain in adults. *J Clin Neurosci*. 2009 Nov;16(11):1495-7.

**Chibbaro S**, et al. Cervical spine lateral approach for myeloradiculopathy: technique and pitfalls. *Surg Neurol*. 2009 Oct;72(4):318-24; discussion 324. Review

**Chibbaro S**, et al. George B. Skull bone flap fixation--comparative experimental study to assess the reliability of a new grip-like titanium device (Skull Grip) versus traditional sutures: technical note. *Minim Invasive Neurosurg*. 2009 Apr;52(2):98-100.

**Chibbaro S**, et al. Multilevel oblique corpectomy without fusion in managing cervical myelopathy: long-term outcome and stability evaluation in 268 patients. *J Neurosurg Spine*. 2009 May;10(5):458-65.

**Chibbaro S**, Tacconi L. Use of skin glue versus traditional wound closure methods in brain surgery: A prospective, randomized, controlled study. *J Clin Neurosci*. 2009 Apr;16(4):535-9. Epub 2009 Feb 23.

**Chibbaro S**, et al. Dumbbell-shaped jugular foramen schwannomas: surgical management, outcome and complications on a series of 16 patients. *Neurosurg Rev*. 2009 Apr;32(2):151-9.

Romano A, **Chibbaro S**, et al. Endoscopic removal of a central neurocytoma from the posterior third ventricle. *J Clin Neurosci*. 2009 Feb;16(2):312-6.

Mirone G, Schiabello L, **Chibbaro S**, et al. Pediatric primary pilocytic astrocytoma of the cerebellopontine angle: a case report. *Childs Nerv Syst*. 2008 Aug 9.

Soma PF, **Chibbaro S**, et al. Aggressive scalp carcinoma with intracranial extension: a multidisciplinary experience of 25 patients with long-term follow-up. *J Clin Neurosci*. 2008 Sep;15(9):988-92.

**Chibbaro S** et al. Malignant trigeminal schwannoma extending into the anterior skull base. *Acta Neurochir (Wien)*. 2008 Jun;150 (6):599-604.

**Chibbaro S** et al. Combined internal uncrusectomy and decompressive craniectomy for the treatment of severe closed head injury: experience with 80 cases. *J Neurosurg*. 2008 Jan;108(1):74-9.

**Chibbaro S**, Tacconi L. Safety of deep venous thrombosis prophylaxis with low-molecular-weight heparin in brain surgery. Prospective study on 746 patients. *Surg Neurol*. Epub 2008 Feb 8.

Orabi M, **Chibbaro S** et al. Double-door laminoplasty in managing multilevel myelopathy: technique description and literature review. *Neurosurg Rev*. 2008 Jan;31(1):101-10.

Paolo Di Emidio, **Salvatore Chibbaro**, Leonello Tacconi. Eosinophilic Granuloma of the orbit. Case Report and Review of the literature; *Riv It neurobiologia* 53 (3-4), 233-236, 2007

**Chibbaro S**, Tacconi L. Role of decompressive craniectomy in the management of severe head injury with refractory cerebral edema and intractable intracranial pressure. Our experience with 48 cases. *Surg Neurol*. 2007 Dec;68(6):632-8.

**Chibbaro S**, et al. An interesting case of a pituitary adenoma apoplexy mimicking an acute meningitis. Case report. *J Neurosurg Sci*. 2007 Jun;51(2):65-9; discussion 68-9.

**Chibbaro S**, et al. Image-guided microneurosurgical management of vascular lesions using navigated computed tomography angiography. An advanced IGS technology application. *Int J Med Robot.* 2006 Jun;2(2):161-7. Review.

**Chibbaro S**, Tacconi L. Extracranial-intracranial bypass for the treatment of cavernous sinus aneurysms. *J Clin Neurosci.* 2006 Dec;13(10):1001-5.

**Chibbaro S**, Tacconi L. Orbito-cranial injuries caused by penetrating non-missile foreign bodies. Experience with eighteen patients. *Acta Neurochir (Wien).* 2006 Sep;148(9):937-42.

Romano A, **Chibbaro S** et al. Carotid cavernous aneurysm presenting as pituitary apoplexy. *J Clin Neurosci.* 2006 May;13(4):476-9.

**Chibbaro S**, et al. Anterior cervical corpectomy for cervical spondylotic myelopathy: Experience and surgical results in a series of 70 consecutive patients. *J Clin Neurosci.* 2006 Feb;13(2):233-8.

Benvenuti L, **Chibbaro S**, et al. Automated three-dimensional volume rendering of helical computed tomographic angiography for aneurysms: an advanced application of neuronavigation technology. *Neurosurgery.* 2005 Jul;57(1 Suppl):69-77

**Chibbaro S**, et al. Cervicothoracolumbar pneumorachis. Case report and review of the literature. *Surg Neurol.* 2005 Jul;64(1):80-2

**Chibbaro S**, et al. The use of virtual fluoroscopy in managing acute type II odontoid fracture with anterior single-screw fixation. A safe, effective, elegant and fast form of treatment. *Acta Neurochir (Wien).* 2005 Jul;147(7):735-9.

**Chibbaro S**, et al. Temozolomide as first line agent in treating high grade gliomas: phase II study. *J. Neuro-Oncology* 67: 77-81 2004

**Chibbaro S**, et al. The use of image guided surgery (virtual fluoroscopy) in managing acute odontoid fracture with anterior single screw. A safe, effective, nice, easy and fast way to follow. Proceedings of the 12<sup>th</sup> European congress of neurosurgery. Lisbon (Portugal) 7-12 September 2003. *Medimond* 1; (1) 724 (ISBN: 978-88-3233-149-3)

Benvenuti L, **Chibbaro S**, et al. Image giuded system technology for intracranial aneurysm: a preliminary report. Proceedings of the 12<sup>th</sup> European congress of neurosurgery. Lisbon (Portugal) 7-12 September 2003. *Medimond* 1; (1) 829 (ISBN: 978-88-3233-149-3)

**Chibbaro S**, et al. Nasofrontal Schwannoma with intracranial extension. *J Otolaryngol.* 2001 Feb; 30(1):52-4

Zingale A, **Chibbaro S** et al. Infection and re-infections in long-term external ventricular drainage A variation upon theme. *J. of Neurosurgical Science (Italy)* 43(2) 125-133 (June 1999)

Zingale A, **Chibbaro S** et al. Management of chronic subdural hematoma in patients treated with anticoagulant. *J. of Neurosurgical Science (Italy)* 43(4) 277-284 (December 1999)

Romano A, **Chibbaro S** et al. Cranio-cervical bone Pneumatisation. Case report. *Rivista di Neuroradiologia* 10: 373-376, 1997

Callari G, **Chibbaro S** et al. Traumatic aneurysms of the pericallosal artery in children. Case report. *Journal of Neurosurgical Sciences.* 41(2):189-93, 1997

## Capitoli in libri di testo

1. **Salvatore Chibbaro**, Damien Bresson, Philippe Herman, and Sebastien Froelich **Skull Base Approaches to Clival Chordomas**. *Midline Skull Base Surgery*, DOI 10.1007/978-3-319-21533-4\_26P. Cappabianca et al. (eds.), © Springer International Publishing Switzerland 2016
2. **Salvatore Chibbaro** and Stephan Gaillard. **Endoscopic Endonasal Odontoidectomy**. *Midline Skull Base Surgery*, DOI 10.1007/978-3-319-21533-4\_27P. Cappabianca et al. (eds.), © Springer International Publishing Switzerland 2016
3. Bruneau M, George B, **Chibbaro S**, et al. **The juxtacondylar approach to the jugular foramen**. Pathology and surgery around the vertebral artery by B. George – M. Bruneau – R.F. Spetzler ed. Springer-Verlag France, Paris 2011; 44:641
4. **Chibbaro S**, Tacconi L. **Le urgenze neurochirurgiche in gravidanza e nel post-partum: diagnosi e trattamento**. Corso Post-universitario in ginecologia e ostetricia. Raccomandazioni, standard, linee guida. Pag. 90-102 edizione 2006 (libro di testo)
5. **Chibbaro S**, Tacconi L. **Il trattamento dei traumi cranici**. Corso Post-universitario in anesthesiologia. Terapia intensiva: Raccomandazioni, standard, linee guida. Pag. 52-56 edizione 2004 (libro di testo)
6. **Chibbaro S**, Tacconi L. **Timing e trattamento dei traumi vertebro-midollari**. Corso Post-universitario in anesthesiologia. Terapia intensiva: Raccomandazioni, standard, linee guida. Pag. 58-63 edizione 2004 (libro di testo)

## ABSTRACT PUBLICATI

- Todeschi J, Cebula H, Chaussemy D, Benmekhbi M, Santin M, Coca A, Maitrot D, **Chibbaro S**. L'approche endoscopique trans-frontale trans-ventriculaire de la région postérieure du troisième ventricule, de la pinéale et du thalamus (présentation vidéo de cette technique chirurgicale). **Neurochirurgie**. 2014 Dec;60(6):334. Epub 2014 Nov 21. French.
- F. Kouakou, K. Saadaoui, A. Sadoun, M. Bokubza, M. Polivka, B. George, P. Kehrl, **S. Chibbaro**. Les méningiomes kystiques intracrâniens: aspects radiologiques, histologiques et approche chirurgicale. À propos de 42 cas et revue de la littérature. **Neurochirurgie** 01/2013 59(6):238.
- F. Baumann, O. Makiese, B. Mathon, A. André, N. Aldahak, P. Poczós, M. Orabi, J.-P. Saint-Maurice, B. George, E. Houdart, **S. Chibbaro**. Traitement chirurgical des fistules artérioveineuses dures rachidiennes (FAVDR) : une série consécutive de 30 patients. **Neurochirurgie**. 57(s 4–6):262.
- **Chibbaro S**, et al. Chirurgie Endoscopique Endonasale des Chordomes du Clivus. **Neurochirurgie** Vol 56 n°6, 540 ; Decembre 2010
- Beccaria K, **Chibbaro S**, et al. Craniectomie décompressive et cranioplastie précoce pour la prise en charge des traumatismes crâniens sévères: étude prospective multicentrique de 147 cas. **Neurochirurgie** Vol 56 n°6, 542 ; Decembre 2010
- Hamdi S, **Chibbaro S**, et al. Neurochirurgie et personnes âgées: l'analyse au fil des ans. **Neurochirurgie** Vol 56 n°6, 544 ; Decembre 2010
- Makiese O, **Chibbaro S**, et al. Gestion Neuroendoscopique de la région postérieure du 3è ventricule et des tumeurs de la région pinéale: limitations techniques et stratégies pour éviter les complications possibles **Neurochirurgie** Vol 56 n°6, 539 ; Decembre 2010
- Pavlov V, **Chibbaro S** et al. Kyste synovial C1-C2 à propos d'un cas. **Neurochirurgie** Vol 56 n°6, 542 ; Decembre 2010

- **S. Chibbaro, et al.** Méningiomes « en plaque » sphéno-orbitaires : stratégie chirurgicale et facteurs de récurrence dans une série de 71 patients. **Neurochirurgie** 2009; 55 (4-5) 494
- **S. Chibbaro et al.** Schwannomes en sablier des nerfs mixtes: traitement chirurgical, résultats et complications dans une série de 16 patients. **Neurochirurgie** 2009; 55 (4-5) 510-511
- D. Bresson, **S. Chibbaro et al.** Anévrismes traités chirurgicalement à l'hôpital Lariboisière : l'après ISAT. **Neurochirurgie** 2009; 55 (4-5) 493
- M.Yasuda, D. Bresson, **S. Chibbaro, et al.** Névràlgie C6 par boucle de l'artère vertébrale : décompression par voie antérolatérale **Neurochirurgie, 2009;55 (4-5)532-533**
- Benericetti, **Chibbaro S** et al. Apoplessia ipofisaria da rottura di aneurisma carotido-cavernoso. **Rivista Italiana di Neurobiologia Suppl. 1-2/2004, 304**
- Fricia M, Coronella MV, **Chibbaro S** et al. Evacuazione stereotassica di ematomi intracerebrali con tecnica frameless (sistema navigus e neuronavigazione): esperienza clinica. **Rivista Italiana di Neurobiologia Suppl. 1-2/2004, 299**
- **Chibbaro S, Tacconi L.** EC-IC bypass per il trattamento degli aneurismi del seno cavernoso. **Rivista Italiana di Neurobiologia Suppl. 1-2/2004, 249**
- **Chibbaro S, et al.** Spondilosi cervicale: esperienza e risultati chirurgici in una serie di sessanta pazienti. **Rivista Italiana di Neurobiologia Suppl. 1-2/2002, 128**
- **Chibbaro S, et al.** Ferite cranio-orbitarie penetranti da corpi estranei non da arma da fuoco. Esperienze cliniche e dubbi ancora irrisolti. **Rivista Italiana di Neurobiologia Suppl. 1-2/2002, 144**
- Gagliardi R, **Chibbaro S.** Neurinoma del VII nervo cranico (caso clinico). **Rivista Italiana di Neurobiologia Suppl. 1-2/2002, 165**
- **Chibbaro S. et al.** Audit of penetrating orbital-cranial injuries by non-missile foreign bodies. Some new findings for discussion. **Br J NS** 2000; 14 (1) 277
- Bassi S, **Chibbaro S, et al.** Persistent headache after acoustic neuroma surgery. The cause and possible solution. **Br J NS** 2000; 14 (1) 274
- White B, **Chibbaro S.** *Disc Conserving Anterior Cervical Micro-foramenotomy (microdiscectomy). Experience on 20 cases.* **Br J NS** 2000; 14 (1) 292
- El-Maghraby H, **Chibbaro S, et al.** How much bone resection is required in Arachnoid Preserving Cranio-Cervical Decompression for Syringomyelia Chiari I complex? **Br J NS** 2000; 14 (1) 279-280
- Serino D, **Chibbaro S, et al.** Il trattamento chirurgico dell'instabilità lombare nell'esperienza di una U.O. di neurochirurgia. **Atti XLIX congresso nazionale SINCH. Milano 15-19 Ottobre 2000**
- Carnesecchi S, **Chibbaro S et al.** Importanza della profilassi delle tromboembolie venose nei pazienti neurochirurgici (con particolare riferimento ai portatori di meningioma). **Atti XLIX congresso nazionale SINCH. Milano 15-19 Ottobre 2000**
- **Chibbaro S, et al.** Temozolomide nel trattamento dei gliomi cerebrali di alto grado: studio di fase II. **Atti XLIX congresso nazionale SINCH. Milano 15-19 Ottobre 2000**
- **Chibbaro S, et al.** Lessons from a syringomyelia audit. **Br J NS** 1999; 13 (5) 528

#### **Brevetti:**

Sistema Innovativo per la realizzazione della craniectomia decompressiva. Patent Italiano: Registro n°: "I" 62/184-03-0054 "E" WCY/0046 - 28.12.2009

#### **Insegnamento:**

Docente: Neurochirurgia – “Master 2 Interuniversitario di Biomorfologia e Biomateriali” Università di Strasburgo – Nancy – Reims – Dijon, anno 2013 e 2014

Docente di Micro-neurochirurgia – “Diploma Universitario di Microchirurgia” Università di Strasburgo, anno 2013 e 2014

Docente di Neurochirurgia incaricato: Corso di Studi in Medicina e Chirurgia Université Strasbourg 2012- 2013- 2014 (20 ore/anno)

Neurochirurgia: Corso di Studi in Medicina e Chirurgia Université René Diderot Parigi VII 2008 – 2011 (50 ore/anno)

Neurochirurgia Università di Trieste presso scuola di specializzazione in Oculistica, Chirurgia Generale e Ortopedia 2005 – 2006 (18 ore/anno)

Neuroanatomia e neurofisiologia per infermieri professionali e fisioterapisti. University of Nottingham UK 1998, 1999 (20 ore/anno)

Tutor per il tirocinio pratico post-laurea in medicina e chirurgia, Università degli studi di Trieste 2004, 2005, 2006.

Coordinatore tesi Master 1 di Microchirurgia Université Paris XIII France

- LE PONTAGE DE L'AORTE PAR LA VEINE JUGULAIRE EXTERNE POUR UN APPRENTISSAGE DES TECHNIQUES MICROCHIRURGICALES  
Rédacteur BERNAT Anne-Laure - Coordonnateur: CHIBBARO Salvatore 2012
- Survenue des anévrysmes spontanés et la technique des anastomoses termino-terminales et termino-latérales par éversions.  
Rédacteur PAVLOV Vladislav - Coordonnateur: CHIBBARO Salvatore 2012

Coordinatore tesi Master 1 Microchirurgia Université de Strasbourg France

- *Application de la technique de l'« Oblique Cut » dans la prévention de la thrombose spontanée d'anévrysmes expérimentaux chez le rat: Rédacteur TODESCHI Julien – Coordonnateur CHIBBARO Salvatore 2014*
- La courbe d'apprentissage en Microchirurgie : Rédacteur ABID Houssein – Coordonnateur CHIBBARO Salvatore 2014

Coordinatore tesi Master 2 interuniversitario Francia « chirurgia del rachide »

- Intérêts et Limites de l'abord endoscopique endonasal dans la résection de l'odontoïde; A propos de 10 cas et revue de la littérature.  
Rédacteur TIGAN Leonardo – Coordonnateur CHIBBARO Salvatore 2013 - 2014

Esperto (referee) per la valutazione di eventi formativi in supporto della commissione nazionale ECM

#### **Journals Reviewer:**

SpringerPlus Journal

JSM Clinical Case Reports

Journal of Neurology, neurosurgery and psychiatry

Trauma cases and reviews journal

Premier Publishers

Journal of Cancer Research and Therapeutics

Neurological Sciences

SchiTechnol Journal

Journal of Neuroinfectious Diseases

Journal of clinical Neuroscience

Medical Engineering & Physics

The Journal of Cancer Research and Therapeutics

The International Journal of Medical Robotics and Computer Assisted Surgery

Clinical Neurology and Neurosurgery Journal

Journal of Emergencies, Trauma, and Shock  
Journal of Neurosciences in Rural Practice  
BMJ case report  
Indian Journal of Neuro-ophthalmology  
Lybian Journal of medicine  
American Journal of Cancer  
Journal of Neurology, Neurosurgery and Psychiatry  
Singapore NMRC (National Medical Research Council)  
Nederland NMRC (National Medical Research Council)

### **Stage teorico-pratici e centri internazionalivisitati**

04/07-13/07/2012	Tubingen Neurosurgical Department (Prof. M. Tatagiba)
APR-GIU 2010	Clinical Observer Neurosurgical Department (Prof. F Gentili) Toronto Western University Hospital Toronto Canada
AGO-SET 2009	Clinical Observer Neurosurgical Department and endoscopic minimally invasive surgery centre (Dr. P Gardner/Prof. C Snyderman) Pittsburgh University Hospital USA
GIU 2009	Clinical Observer Neurosurgical Department (Prof. Duffau) Montpellier University Hospital France
GEN 2006	Clinical Observer Neurosurgical Department (Prof. V Dolenc) Lubiana University Hospital Lubiana Slovenia
GIU-LUG 1997	Clinical observer Neurosurgical Department (Prof. A Crokard) National Hospital For Neurology and Neurosurgery London UK
SET 1996	Clinical observer Neurosurgical Department (Prof. R. Dal Maestro) University of London Ontario Canada

### **Lingue straniere**

Ottima conoscenza della lingua Inglese e Francese.

### **ESPERIENZA ACQUISITA**

Durante il training in neurochirurgia svolto in parte presso il reparto di Neurochirurgia dell'Ospedale Civico di Palermo, del Policlinico Universitario di Palermo, dell'Istituto di Neurochirurgia dell'Università di Catania, del reparto di Neurochirurgia dell'Ospedale Cannizzaro di Catania ed in parte presso ospedali esteri (Inglese – Francesi e Canadesi) ho acquisito **esperienza nella gestione e nel trattamento dei pazienti ricoverati in ambiente neurochirurgico e in terapia intensiva. Durante i periodi di ricerca svolti all'estero ho acquisito esperienza nelle revisioni cliniche (clinical audit), nell'elaborazione di database applicati alla ricerca e nella progettazione, organizzazione e svolgimento di progetti/lavori di ricerca, dedicandomi inoltre all'insegnamento.** Grazie ai periodi di lavoro attivo svolti all'estero (Inghilterra e Francia) ho maturato un'esperienza specifica **nella chirurgia del basicranio, della cerniera cranio-occipitale e dell'arteria vertebrale con approcci sia tradizionali (open) e soprattutto**

**per via endoscopica-endonasale e/o mini-invasivi con tecnica mista (microscopica/endoscopica assistita). Infine ho sviluppato e approfondito la tecnica di chirurgia da sveglio, stimolazione e mappaggio corticale per il trattamento di processi espansivi in aree eloquenti/critiche;** infine essendo coinvolto in servizi di guardia attiva in diversi ospedali Italiani e esteri e soprattutto grazie a una vasta preparazione di base ho sviluppato particolari competenze nella gestione e trattamento chirurgico dei traumi vertebro-midollari anche con tecniche mini-invasive e approcci anterolaterali al rachide cervico-dorso-lombare. La casistica chirurgica personale è costituita da circa 4000 interventi, 2800 come primo operatore di cui il 60% è rappresentato da chirurgia elettiva di difficoltà/complessità medio-alta.

## **REFERENTI**

**Prof. B. GEORGE**, Service de neurochirurgie, Hôpital Lariboisière - 2, rue Ambroise Paré, 75010 Paris France Tel: 0033 1 49958146, Fax: 0033 1 49958155 Email: [bernard.george@lrb.aphp.fr](mailto:bernard.george@lrb.aphp.fr)

**Prof. F. PROUST**, Service de neurochirurgie, Hôpital de HautePierre - 1, avenue Molière 670980 Starsbourg France. Tel : 0033 3 88127618 - Email: [francois.proust@chru-strasbourg.fr](mailto:francois.proust@chru-strasbourg.fr)  
Tel : 0033 3 88127618 - Email: [francois.proust@chru-strasbourg.fr](mailto:francois.proust@chru-strasbourg.fr)

**Prof. D. MAITROT**, Service de neurochirurgie, Hôpital de HautePierre - 1, avenue Molière 670980 Starsbourg France. Tel : 0033 3 88127618 - Email: [daniel.maitrot@chru-strasbourg.fr](mailto:daniel.maitrot@chru-strasbourg.fr)

**Mr. B.D. WHITE**, Neurosurgery Department, Queen's Medical Centre  
C Floor West Block, University Hospital Nottingham - NG7 2UH - UK  
Tel: +44 115 9249924 Ext. 41925 Fax: +44 115 9709104

**Dr. M. MARSELLA**, Center for neurosciences, 2450 East River Road Tucson, AZ 85718 USA –  
Tel: 001-520-795-7750 Email: [Marselm@hotmail.com](mailto:Marselm@hotmail.com)

**In fede**

Strasburgo, 16/02/2016

*Dr. Salvatore CHIBBARO*  
