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Chairman, Neurocenter – Neurosurg. + Neurology

Born 13th of March 1958

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Education and Professional Appointments

1983	Graduated Faculty of Medicine, Charles University, Prague, Czech Republic
1983	Department of Surgery, Ústí nad Labem, Czech Republic
1984-1992	Department of Neurosurgery, Masaryk's Hospital, Ústí nad Labem, Czech Republic
1986	Step I Specialist Degree in General Surgery
1987	Physician-in-chief, Intensive Care Unit, Department of Neurosurgery, Masaryk's Hospital
1991	Specialist Degree in Neurosurgery
1992	Founder of the Department of Neurosurgery, Liberec Hospital, Liberec, Czech Republic
since 1993	Chairman of Neurocenter, Liberec Hospital, Liberec, Czech Republic
since 2001	Teacher - Dpt. of Neurosurgery 1 st Medical Faculty, Charles University, Prague
2005	Finished Ph.D.
2005	Teaching in Spinal Medicine - Course, Royal College of Surgeons of England, London
2007	Assistant Professor of Neurosurgery at 1 st Medical Faculty of Charles University Prague
2012	Professor of Neurosurgery at 1 st Medical Faculty of Charles University Prague

Memberships

Czech Spine Surgery Society (co-founder, member of Ex.Comm., vice-president, **president 2005-2009**)
Czech Neurological Society
Czech Society for Neurosciences
Central European Neurosurgical Society (CENS)
Spine Society of Europe (Executive Committee Member, Vice-President 2002-2003, **president 2003-2004**)
European Spine Journal (member of advisory board, **member of editorial board 2004-2010**)
Czech and Slovak Neurology and Neurosurgery Journal (**member of editorial board since 2007**)
Cervical Spine Research Society – ES (Ex. Comm. member)
Czech Neurosurgical Society (member of Ex.Comm., **president 2010-2014**)

International educational visits

1987	Microneurosurgery, Burdenko Institute, Moscow	prof. Konovalov
1990	Neurosurgery, Charles University, Prague	prof. Fusek
1991	Neurosurgery, Charles University, Hradec Králové	prof. Petr
1992	Surgery of brain tumors, Lund, Sweden	prof. Nordström
1992	Surgery of skull base, Brussels, Belgium	prof. Brotschi
1993	Neurosurgery, Hannover, Germany	prof. Samii
1995	Neurosurgery, Allegheny GH, Pittsburgh, USA	prof. Fukushima, prof. Maroon
1996	Lumbar spine stabilization, Marseille, France	prof. Bronsard
1996	Vascular and spine neurosurgery, BNI, Phoenix, USA	prof. Spetzler, prof. Sonntag

Surgical experience

More than 4000 procedures covering whole field of neurosurgery including tumors of central nervous system, vascular neurosurgery; special interest in surgery of cervical spine and spinal cord.

Research activities

1. The influence of asphyxia on ischemic damage to brain in chicken embryo. (1980-1985)
(Institute of Physiology, tutor: Doc. Dr. F. Šťastný, CSc.) Two papers released, research honored by Prize of Czechoslovak Society of Physiology JEP(1983)
2. Clinical research of CSF dynamics in normal-pressure hydrocephalus. (1987–1991)
(Dept. of Neurosurgery Ústí n.L. in cooperation with Dept. of Neurology ILF, Thomayer Hospital, Prague, tutor: Doc. MUDr P. Kalvach, CSc.).
3. Chronic degenerative disease of cervical spine. (1994-2000)
(Dept. of Neurosurgery, Neurocenter, Hospital Liberec in cooperation with prof. Caspar, Universitätsklinik Homburg a. Saar, Germany).
4. Cervical disc replacement. The research project supported by the grant of the Internal Grant Agency of the Ministry of Health of the Czech Republic ND/6892-3 (2002-2005)
5. Cervical disc mobile prosthesis – multicenter prospective project (2004 - 2014)

Lector:**A. Guest lecturer:**

1. Suchomel P.: Midline brain tumors. Postgraduate course in neurosurgery, Hradec Králové, 1.-3.4.1996
2. Suchomel P. : Cervical spine injuries. Course of Society of Trauma Surgery, Prague, 7.12.1996
3. Spinal workshop on cadavers – lecturer. Bangkok, Thailand, 28.10.1996
4. Spinal workshop on cadavers – lecturer. Kuala Lumpur, Malaysia, 30.10.1996
5. Thai Neurosurgical Society – Spine Update, Bangkok, Thailand, 15.-18.7.1997.
6. The 2nd Middle East Spine Group Meeting (workshops), Cairo, Egypt, 24.-26.10.1998.
7. Congress of Latinoamerican Orthopedic Society (workshops), Gramado, Brazil 12.-15.11.1997
8. Postgraduate course in neurosurgery, Hradec Králové,
9. 9th WPOA Operative Spinal Surgery Course, Bangkok, Thailand - 2 lectures a 3 educational live operations, 3.-11.5.1998
10. 3rd Middle East Spine Group Meeting (workshops), Beirut, Lebanon, 1.-4.10.1998
11. Endoscopic microdiscectomy, international workshop on c Spondylolisthesis - international course, Prague, May 2003cadavers, Liberec, March 2000
12. Surgical workshop – neuronavigation, Liberec, June 2000
13. Spondylolisthesis - international course, Prague, May 2003
14. II.nd Combined Instructional Course Spine Soc.Eur. and Spine Soc.India (Delhi 2004)
15. SSE Spine Courses (Barcelona 2005, Liberec 2006)
16. Teacher, education of medical students, Dept. of Neurosurgery, 1st Medical Faculty, Charles University, Prague, since 2001

Later in average 4 international congresses/courses per year

B. Lector of visitors to Neurocenter – spine surgery:

- 1998 - 18 visitors (Israel, Germany, Bosnia, Russia, Slovenia, Brazil)
1999 - 7 visitors (Estonia, Latvia, Mexico)
2000 - 15 visitors (Israel, Latvia, United Arab Emirates, Lithuania)
2001 - 32 visitors from seven countries
2002 - 51 visitors from 14 countries

2003 - 70 visitors from 10 countries
 2004 - 50 visitors from 9 countries
 2005 – 39 visitors from 10 countries
Later 20-40 international visitors per year

Operations performed abroad – visiting surgeon:

Bangkok, Thailand (1996, 1998)	... 5 patients
Kota Kinabalu, Malaysia (1996)	... 2 patients
Rio de Janeiro, Sao Paulo, Brazil (1999, 2000)	... 5 patients
Abu Dhabi, United Arab Emirates (1998,1999)	... 20 patients
Nové Zámky, Bratislava, Slovakia (2001-2003)	... 6 patients
Murmansk, Russia (2002)	... 2 patients
Warsaw, Poland (2003)	... 1 patient
Helsinki, Finland (2003)	... 1 patient
Sarajevo, Bosnia (2004)	... 1 patient
Kuwait (2004) 1 patient
Budapest, Hungary (2005) 1 patient
Tripoli, Lybie (2006, 2007) 6 patients
Leidschendam, Netherlands (2009) 2 patients
Rio de Janeiro, Brasil (2010) 2 patients

Organization of meetings:

1. National meeting – traumatology of axial skeleton, Liberec, 7.-8.4.1994
2. Křivánek´s neurological day, Liberec, 3.11.1995
3. 1st East European Spine Meeting under the patronage of Spine Society of Europe, Liberec, October 3 – 4, 1997. **President.**
4. International hands-on workshop: Cervical spine surgery, Liberec, May 1998.
5. Operative course with professor Takanori Fukushima, Liberec, June 1998.
6. 2nd East European Spine Meeting under the patronage of Spine Society of Europe, Liberec, October 21-22, 1999. **Vicepresident.**
7. Spondylolisthesis – international course, Prague, 2003
8. Spondylolisthesis – international course, Prague, 2004
9. **Eurospine 2003, Co-Chairman**, Prague, 30.9. - 4.10.2003
10. Czech National Neurosurgical Congress, Liberec, 2005 **President**
11. Spine Society of Europe – Educational Spine Courses, Liberec, 2006 – 2009
12. III. Czech Spine Surgery Society Congress, 2008 **Co-Chairman**
13. Czech National Neurosurgical Congress, 2014 **President**

Papers:

PAPERS AUTHOR:

impact factor **IF**

1. SUCHOMEL P, ŠŤASTNÝ F, TROJAN S (1983) Vliv kortisolu na nitrolební tlak a asfyktický edém mozku u kuřecího zárodka. Bratisl Lek Listy. 79(1):30-7.
2. SUCHOMEL P (1983) Příspěvek k metodě měření nitrolebního tlaku u kuřecího zárodka. Cesk Fysiol 32 (6) 547-552

3. SUCHOMEL P (1990) Rozbor příčin neúspěchu v léčbě čistého traumatického epidurálního hematomu. Rozhl Chir 69:649-54
4. SUCHOMEL P, MAJDAN M, NESTÁVAL V (1993) Význam isotopové cisternografie v diagnostice komunikujícího hydrocefalu. Cesk Neurol Neurochir 56/89, č.4. **IF**
5. SUCHOMEL P, TALLER S, LUKÁŠ R, FROHLICH R (2000) Chirurgické řešení zlomenin zubu čepovce. Rozhl Chir 79:301-8
6. SUCHOMEL P, BUCHVALD P, BARSA P, LUKÁŠ R, SOUKUP T (2003) Pyogenic osteomyelitis of the odontoid process: single stage decompression and fusion. Spine 28:239-44 **IF**
7. SUCHOMEL P, STULIK J, KLÉZL Z, CHROBOK J, LUKÁŠ R, KRBEC M, MAGERL F (2004) Magerlova fixace C1-2. Multicentrická retrospektivní studie. Acta Chir Ortop Traum Cech 71:6-12.
8. SUCHOMEL P, BARSA P, BUCHVALD P, SVOBODNIK A, VANICKOVA E (2004) Autologous versus allogenic bone grafts in instrumented anterior cervical discectomy and fusion: a prospective study with respect to a bone union pattern. Eur Spine J 13:510-515 **IF**
9. SUCHOMEL P (2004) Update in cervical spine surgery. Principal topic. Eur Spine J Backup 1/2004
10. SUCHOMEL P, BARSA P (2004) Náhrada krční meziobratlové ploténky vložkou Cespace bez použití kosti či její náhrady. Prospektivní studie. Acta Spondylogica 1:5-9
11. SUCHOMEL P, FROHLICH R, LUKÁŠ R, BUCHVALD P (2005) Chirurgické řešení úrazů horní krční páteře. Neurologie pro praxi 2: 74-77
12. SUCHOMEL P, HRADIL J, BARSA P, BUCHVALD P, LUKÁŠ R, TALLER S, FROHLICH R (2006) Chirurgické řešení fraktury oblouku epistrofeu – „katovské zlomeniny“. Acta Chir orthop Traum cech. 73: 321-328
13. SUCHOMEL P, BUCHVALD P, BARSA P, FROHLICH R, CHOUTKA O, KREJZAR Z, SOURKOVA P, ENDRYCH L, DZAN L (2007) Single-stage total C-2 intralésional spondylectomy for chordoma with three-column reconstruction. Technical note. J Neurosurg Spine Jun;6(6):611-8. **IF**
14. SUCHOMEL P. (2008) Degenerace krční meziobratlové ploténky-indikace a možnosti chirurgické léčby. Cesk Slov Neurol, 2008, 71/104(3):246-261 **IF**
15. SUCHOMEL P. (2008) Artificial Discs and Spinal Motion – Use of Activ C™. European Musculoskeletal Review (3)2: 65-68
16. SUCHOMEL P, Byvaltsev V.A. (2008) Total cervical disc replacement by Prodisc C™ - with 2 year follow up in 54 patients. Voprosy Neurochirurgii (3): 20-25
17. SUCHOMEL P, HRADIL J, FRÖLICH R, BARSA P, LUKÁŠ R (2009) Navigation techniques in surgery of cranio-cervical junction and upper cervical spine. Acta Chir Orthop T Cech. 2009 Apr;76(2):137- 48 **IF**
18. SUCHOMEL P (2009) Expert's comment concerning Grand Rounds case entitled "Syringomyelia with

- irreducible atlantoaxial dislocation, basilar invagination and Chiari I malformation" (by Shenglin Wang, Chao Wang, Ming Yan, Haitao Zhou, Liang Jiang).Eur Spine J. 2009 Nov 24 **IF**
19. SUCHOMEL P, JURÁK L, BENES V 3RD, BRABEC R, BRADÁČ O, ELGAWHARY S (2010) Clinical results and development of heterotopic ossification in total cervical disc replacement during a 4-year follow-up. Eur Spine J. 2010 Feb;19(2):307-15. Epub 2009 Dec 25 **IF**
20. SUCHOMEL P (2010) Expert's comment concerning Grand Rounds case entitled "Syringomyelia with irreducible atlantoaxial dislocation, basilar invagination and Chiari I malformation" (by Shenglin Wang, Chao Wang, Ming Yan, Haitao Zhou, Liang Jiang).Eur Spine J. 2010 Mar;19(3):367-9 . **IF**
21. SUCHOMEL P, HRADIL J. (2011) Minimally invasive elastic cervical laminoplasty. _Acta Chir Orthop Traumatol Cech. 2011;78(5):437-41.
22. SUCHOMEL P, BARSA P. (2013) Single stage total endolesional C2 spondylectomy for chordoma. Eur Spine J. 2013 Jun;22(6):1453-6. **IF**
23. SUCHOMEL P, BARSA P. (2013) Cervical total disc replacement C5/6.Eur Spine J. 2013 Jun;22(6):1451-2. **IF**
24. SUCHOMEL P, JURÁK L, ANTINHEIMO J, POHJOLA J, STULIK J, MEISEL HJ, ČABRAJA M, WOICIECHOWSKY C, BRUCHMANN B, SHACKLEFORD I, ARREGUI R, SOLA S. (2014) Does sagittal position of the CTDR-related centre of rotation influence functional outcome? Prospective 2-year follow-up analysis. Eur Spine J. 2014 May;23(5):1124-34. **IF**

PAPERS CO-AUTHOR:

25. TALLER S, LUKÁŠ R, SUCHOMEL P (1998) CT navigovaná stabilizace zlomenin horního úseku hrudní páteře vnitřním fixátérem. Acta Chir Ortop Traum Cech 65 ,, 100-104
26. TALLER S, SUCHOMEL P, LUKÁŠ R, BERAN J (2000) CT-guided internal fixation of hangman's fracture. Eur Spine J 9:393-7 **IF**
27. BARSA P, SUCHOMEL P (2000) Combined approach in giant prolactinoma treatment. Plzeň. Lék. Sborn., Suppl. 74,
28. LUKÁŠ R, ŠRÁM J, TALLER S, SUCHOMEL P (2001) První zkušenosti s použitím systému MACS-TL při stabilizaci thorakolumbální páteře. Úraz Chir 9:11-19
29. ŠTULÍK J, SUCHOMEL P, LUKÁŠ R, CHROBOK J, KLÉZL Z, TALLER S, KRBEC M (2002) Přímá osteosynthesa dentu – multicentrická studie. Acta Chir Ortop Traum Cech 69:141-148
30. BARSA P, SUCHOMEL P, BUCHVALD P, LUKÁŠ R, VANÍČKOVÁ E (2002) Jsou šrouby při přední krční fúzi s bikortikální fixací skutečně bikortikálně zavedeny? Retrospektivní studie. Acta Chir Ortop Traum Cech 69:35-38
31. BARSA P, SUCHOMEL P (2002) Organické materiály v přední krční diskektomii a fúzi. Acta Spondylologica 2:123-129
32. BUCHVALD P, SUCHOMEL P, DIENELT J, PENÍŠKOVÁ L (2003) Iktový protokol a jeho význam v iktovém programu Nemocnice Liberec. Ces Neurol Neurochir 69:206-211 **IF**

33. TALLER S, LUKÁŠ R, SUCHOMEL P, KŘIVOHLÁVEK M (2003) Operační léčení dislokovaných příčných zlomenin sakra. Acta Chir Ortop Traum Cech 70:151-157
34. BARSÁ P, BUCHVALD P, SUCHOMEL P, LUKÁŠ R (2003) Traumatická spondylolisthesa L5-S1. Acta Chir Ortop Traum Cech 70:121-125
35. ŠPATENKOVÁ V, SUCHOMEL P, BOHUNOVÁ Z (2003) Prevence infekčních komplikací snížením profylaktického podávání antibiotik a dodržováním hygienicko epidemiologického režimu na jednotce intenzivní péče. Rozhl Chir 81:577-581
36. BUCHVALD P, SUCHOMEL P, FROHLICH R, KAISER M, FRIČ R (2004) Open door laminoplastika v řešení stenozy krční páteře. Čes. a slov. Neurol. Neurochir. 67/100 2:124-131 **IF**
37. LUKÁŠ R, BARSÁ P, SUCHOMEL P (2004) Diskogenní bolest a její chirurgická léčba arthroplastikou. Acta Spondylogica 1:9-17
38. BARSÁ P, SUCHOMEL P (2004) Cervikocervikální přechod v přední krční operativně. Acta Spondylogica 1:38-41
39. BARSÁ P, SUCHOMEL P, BUCHVALD P, KOLÁŘOVÁ E, SVOBODNIK A (2004) Je víceetážová instrumentovaná přední krční fúze rizikovým faktorem vzniku kostního spojení? (prospektivní studie s minimální délkou sledování 3 roky) Acta Chir Ortop Traum Cech 71:137-141
40. BARSÁ P, PEŠÁNOVÁ H, SUCHOMEL P (2004) Rehabilitační a režimové vedení pacientů po náhradě krční meziobratlové ploténky a intervertebrální dřeze. Rehabilitace a fyzikální lékařství 3:122-127.
41. LUKÁŠ R, SUCHOMEL P, ŠRAM J (2005) Operační řešení zlomenin torakolumbální páteře. Neurologie pro praxi 2: 82-86
42. MEHREN CH, SUCHOMEL P, GROCHULLA F, BARSÁ P, SOURKOVA P, HRADIL J, KORGE A, MAYER HM (2006) Heterotopic ossification (HO) in total cervical artificial disc replacement. Spine 24: 2802-2806 **IF**
43. BARSÁ P, SUCHOMEL P (2005) Krční ortézy a jejich význam v klinické praxi. Neurologie pro praxi 5: 292-295
44. BARSÁ P, SUCHOMEL P (2006) Chirurgická léčba metastatického postižení páteře. Čes. a slov. Neurol. Neurochir. Přijato do tisku **IF**
45. SOUKUP T, KARBANOVÁ J, MOKRÝ J, SUCHOMEL P (2005) Kmenové buňky: současný stav laboratorního výzkumu a perspektivy léčby míšního poranění. Neurologie pro praxi 2: 64-67
46. SOUKUP T, TUREK Z, BARSÁ P, CHAN D, CHEUNG KMC, SUCHOMEL P (2002) Degenerativní změny žlutého vazů: Histopatologická studie. Česká revmatologie, č. 4 (2002), p. 180
47. SOUKUP T, MOKRÝ J, KARBANOVÁ J, PYTLÍK R, SUCHOMEL P, KUČEROVÁ L (2006) Mesenchymal stem cells isolated from the human bone marrow: cultivation, phenotypic analysis and changes in proliferation kinetics. Acta Medica (Hradec Králové) 49(1) 27-33
48. LUKÁŠ R, SUCHOMEL P, ŠRÁM J (2006) Surgical treatment of thoracolumbar spine fractures. Coluna Br. 5(2): 84-89
49. KAISER M, MAREŠ V, ŠTASTNÝ F, BUBENÍKOVÁ V, LISÁ V, SUCHOMEL P, BALCAR VJ (2006) The influence of interleukin – 1 beta on gamma glutamyl transpeptidase activity in rat hippocampus. Physiol Res 55: 461-465

50. LUKÁŠ R, SUCHOMEL P, SRÁM J, ENDRYCH L (2006) Classification-based surgical approach in surgical management of thoracolumbar fractures of the spine]. *Rozhl Chir.* 2006 Jul;85(7):365-72. Czech.
51. BARSA P, SUCHOMEL P (2007) Factors affecting sagittal malalignment due to cage subsidence in standalone cage assisted anterior cervical fusion. *Eur Spine J.* 2007 Sep;16(9):1395-400 **IF**
52. BENEŠ V.III, BUCHVALD P., KAISER M., MIKULÁŠTÍK J., SUCHOMEL P.
Centrální neurocytom: kazuistika a přehled literatury. *Cesk Slov Neurol N*
2007;70:697-701. **IF**
53. BENES V, BARSA P, PLNÝ R, SUCHOMEL P (2008) Anterior sacral meningocele misdiagnosed for an ovarian cyst. *Eur J Obstet Gynecol Reprod Biol.* 2008 Jun;138(2):249-50 **IF**
54. ŠPATENKOVÁ V., KAZDA A., BARSA P., BENEŠ V.III, ŠKRABÁLEK P., KRÁLOVÁ D., SUCHOMEL P. Diagnostika hyponatremií v neurointenzivní péči: úloha renálních funkčních parametrů. *Cesk Slov Neurol N* 2008;71:156-162. **IF**
55. ŠPATENKOVÁ V., BENEŠ V.III, KAZDA A., KRÁLOVÁ D., SUCHOMEL P.
Efekt nízké dávky manitolu na sérovou osmolalitu. *Cesk Slov Neurol N* 2008;71:61- 65. **IF**
56. BARSA P, SUCHOMEL P, LUKÁŠ R, TALLER S, ENDRYCH L (2007) Percutaneous CT-guided radiofrequency ablation in spinal osteoid osteoma treatment]. *Acta Chir Orthop Traumatol Cech.* 2007 Dec;74(6):401-5.
57. BENES V 3RD, BARSA P, BENES V JR, SUCHOMEL P (2009) Prognostic factors in intramedullary astrocytomas: a literature review. *Eur Spine J.* 2009 Oct;18(10):1397-422. Review **IF**
58. BENES V 3RD, BARSA P, MIKULÁŠTÍK J, SUCHOMEL P (2009) Exophytic intramedullary mature teratoma of the conus medullaris: case report and review of the literature. *Cen Eur Neurosurg.* 2009 Aug;70(3):154-60. Epub 2009 Aug 21 **IF**
59. BARSA P, BENES V, SUCHOMEL P (2009) Solitary spinal osteochondroma. Case report. *Acta Chir Orthop Traumatol Cech.* 2009 Oct;76(5):424- **7** **IF**
60. BENEŠ V. III, BRADÁČ O., OSTRÝ S., BUCHVALD P., KRAMÁŘ F., KAISER M., SUCHOMEL P., BENEŠ V. JR (2010) Intramedulární astrocytom: Soubor 15 pacientů a přehled literatury. *Cesk Slov Neurol N* 2010;73:169-177. **IF**
61. BAR M, MIKULIK R, SKOLOUDIK D, CZERNY D, LIPINA R, SAMES M, CHOC M, NOVAK Z, STARY M, BENES V, SMRCKA M, FILIP M, VONDRACKOVA D, CHLOUBA V, SUCHOMEL P, HANINEC P, BRZEZNY R, JURAN V.(2011) Decompressive surgery for malignant supratentorial infarction remains underutilized after guideline publication. *J Neurol.* 2011 Sep;258(9):1689-94. doi: 10.1007/s00415-011-6003-3. Epub 2011 Mar 24. **IF**
62. BARSA P, NOVÁK J, SOUČEK T, MARŠÍK F, SUCHOMEL P. (2011) Mathematical simulation of biomechanical background of osteophyte formation in cervical vertebra. *Acta Chir Orthop Traumatol Cech.* 2011;78(4):328-33.
63. SPATENKOVA V, BRADAC O, KAZDA A, SUCHOMEL P (2011) Central diabetes insipidus is not a common and prognostically worse type of hyponatremia in neurointensive care. *Neuro Endocrinol Lett.* 2011;32(6):879-84. **IF**

64. SPATENKOVA V, BRADAC O, KAZDA A, SUCHOMEL P (2011) N-terminal pro-B-type natriuretic peptide with fractional excretion and clearance of sodium in relation to cardiovascular events after elective cervical spine surgery. *Neuro Endocrinol Lett.* 2011;32(6):874-8 **IF**.
65. BUCHVALD P, BARSA P, SUCHOMEL P. (2012) Odontoid fracture combined with lateral atlanto-axial dislocation. Report of two cases. *Acta Chir Orthop Traumatol Cech.* 2012;79(5):459-62. Czech. **IF**
66. BARSA P, SUCHOMEL P. (2013) Portable CT scanner-based navigation in lumbar pedicle screw insertion. *Eur Spine J.* 2013 Jun;22(6):1446 **IF**
67. BENEŠ V 3RD, BUCHVALD P, KLIMOŠOVÁ S, EICHLOVÁ Z, SUCHOMEL P. (2014) Acute extracranial occlusion of the internal carotid artery: emergent surgery remains a viable option. *Acta Neurochir (Wien).* 2014 May;156(5):901-8 **IF**
68. BARSA P, ELGAWHARY S, HRADIL J, SERCL M, SUCHOMEL P (2014) The angular profile of a cage has no influence on segmental alignment after anterior cervical stand-alone interbody fusion. *Acta Chir Orthop Traumatol Cech.* 2014;81(4):281-7. Czech
69. BARSA P, FRÖHLICH R, SEBEK F, SUCHOMEL P. (2014) Intraoperative CT-based spinal navigation: the initial 295 implants experience. *Rozhl Chir.* 2014 Jan;93(1):16-20. Czech.
70. BARSA P, FRÖHLICH R, BENEŠ V 3RD, SUCHOMEL P. Intraoperative portable CT-scanner based spinal navigation--a feasibility and safety study. *Acta Neurochir (Wien).* 2014 Sep;156(9):1807-12 **IF**

CHAPTERS IN BOOKS:

1. SUCHOMEL P, BARSA P, BUCHVALD P (2006) Posterior lumbar interbody fusion (PLIF) in spondylolisthesis. In Gunzburg Szpalski: *Spondylolysis, Spondylolisthesis and degenerative spondylolisthesis.* Lippincott Williams and Wilkins, ISBN 0-7817-7633-3
2. SUCHOMEL P (2006) Chirurgie úrazů horní krční páteře. In B.Rudínský: *Spinální chirurgie,* Slovak Academic Press Bratislava ISBN 80-89104-76-2
3. BUCHVALD P, SUCHOMEL P, LUKÁŠ R (2001) Poranění hlavy a přidružená poranění. In: M.Smrčka a kol. *Poranění mozku,* Grada Publishing, 2001, p.169-182.
4. SUCHOMEL P, BARSA P, ŠOURKOVÁ P, BUCHVALD P, FROHLICH R, HRADIL J (2007) . ProdiscC cervical disc prosthesis in the first 68 patients. In Gunzburg Szpalski: *Non-Fusion Technologies in Spine Surgery.* Lippincott Williams and Wilkins, ISBN-10: 0781769728
5. BERAN J, TALLER S, SUCHOMEL P, LUKÁŠ R (2005) Osteosyntéza a fixace fraktur krčních a horních hrudních obratlů pod CT navigací. In: Krajina A, Peregrin JH: *Intervenční radiologie. Miniinvazivní terapie.* Olga Čermáková, Hradec Králové (2005)
6. P.SUCHOMEL (2006) Surgery of cervical spine trauma. In: *Course Book: The EANS Training Course in Spine and Peripheral Nerve,* Luxemburg
7. P.SUCHOMEL (2006) Upper cervical spine instability. In: *Course Book: The EANS Training Course in Spine and Peripheral Nerve,* Luxemburg
8. P.SUCHOMEL (2010) Trauma of upper cervical spine (C0-2). In : *European Manual of Medicine – Neurosurgery,* Eds.: Lumenta, Hase, DiRocco, Mooij. Springer Verlag Berlin-Heidelberg 2010, ISBN 978-3-540-79564-3
9. P. SUCHOMEL, O. CHOUTKA (2011) Computer Guided Surgery in Craniovertebral Junction and Upper Cervical Spine. In Atul Goel: *Surgery of Craniovertebral Junction.* Georg Tyjeme Verlag Stuttgart 2011,

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MONOGRAPHS:

1. SUCHOMEL P., KRBEČ M.: Spondylolistéza (2007, Galen CZ ISBN 9788072624775)

2. SUCHOMEL P., CHOUTKA O.: Reconstruction of Upper Cervical Spine and Craniovertebral Junction. Springer Heidelberg, Dordrecht, London, New York (ISBN 978-3-642-13157-8)

Lectures (since 1994):

96 at national (CZ), 142 at international level (IT), 22 at continental level (CO), 15 at world level (W), 48 as invited speaker (IS)

Co-author of 62 other lectures

Awards

1983 Czechoslovak Physiological Society Award

1999 Honorary Membership, Neurosurgery Clinic Santa Casa Belo Horizonte, Brasil

1999 Honorary Membership, Neurosurgery Clinic Londrina, Paraná, Brasil

2002 The Personality of the Liberec Award

2003 President of Spine Society of Europe

2005 Zahradníček prize - for the best paper published in Czech Orthopedic Journals in 2004

2006 Honor of Liberec Region

2007 Boni Award Nomination CSRS-ES

2007 List of Honor of Israeli Neurosurgical Society

2008 Chlumský prize – for the best monograph in Czech Orthopedics

2009 Eurospine Full Paper Award Nomination

2014 Honorary membership of Italian Neurosurgical Society

Married – wife Jana

Two children: Lukáš and Petra (twins 29 years old)

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