

CURRICULUM VITAE

I. NAME

Kenan Arnautovic, MD, PhD, FAANS, FACS

CITIZENSHIP: United States

MARITAL STATUS: Married WIFE: Sanja Arnautovic

DAUGHTERS: Aska Arnautovic, and Alisa Arnautovic

WORKING ADDRESS:

Kenan Arnautovic, MD

Semmes-Murphey Neurologic & Spine Institute

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Memphis, TN 38120

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II. CURRENT POSITIONS

*Attending Neurosurgeon, Semmes-Murphey Neurologic & Spine Institute, Memphis, TN (2002-present)

*Professor, Department of Neurosurgery, University of Tennessee, Memphis, TN (2016-present)

*Chairman, Baptist Neuroservice Line, Baptist Memorial Hospital, Memphis, TN (2013-present)

III. OUTSIDE UNIVERSITY FACULTY APPOINTMENTS

*Professor of Neurosurgery, Neurosurgery Department, JJS University of Osijek, Osijek Croatia
(2014-present)

*Professor of Neurosurgery, Sarajevo Medical School, Sarajevo School of Science and Technology,
Sarajevo, Bosnia-Herzegovina (2014-present)

IV. EDUCATION

*School of Medicine, University of Sarajevo, Bosnia and Herzegovina (September, 1978 - January,
1984) DEGREE OBTAINED: Medical Doctor (M.D.)

*School of Medicine, University of Sarajevo, Bosnia and Herzegovina – Masters Degree: “The
Fundamentals of Investigations in Medical Sciences“ (September, 1984 – July, 1986)

*Master Degree Thesis: *“The efficacy of the therapy with xantinole-nicotinate and corticosteroids
for the injuries of spinal cord without compromising the spinal canal (SCIWORA)”* – Publicly
presented for the Master Degree of Science Board of the School of Medicine, University of Sarajevo
(December, 1988) DEGREE OBTAINED: Master Degree of Medical Sciences (Ms. Med. Sc.)

* School of Medicine, University Josip Juray Strossmayer, Osijek, Croatia – Ph.D. Degree Program
(June, 2010 to April, 2012)

*Ph.D. Thesis: “Radical Circumferential 270° Microsurgical Decompression of Foramen Magnum as
a Method of Surgical Treatment of Chiari I Malformation in Adults” – Publicly presented for the

Ph.D. Degree of the Science Board of the School of Medicine, University of Josip Juray

Strossmayer, Osijek, Croatia (April, 2012)

DEGREE OBTAINED: PhD of Medical Sciences

V. AWARDS AND HONORS

“Hasan Brkic” Sarajevo University Award for the “Best Medical Student of the Year.”

Awarded four times in four subsequent years (1979, 1980, 1981, and 1982)

“Dr. Bogdan Zimonjic” IV year Medical Student Award, School of Medicine, University of Sarajevo
(1982)

“Dean’s Award”, Best Medical Student of the Class, School of Medicine, University of Sarajevo
(1984)

“Patient’s Choice Award”, Memphis, TN (2007, 2008, 2009, 2010, 2011, 2012, 2015)

“Ambassador of the University of Sarajevo” Bosnia-Herzegovina (2010 to present)

*Baptist Hospital, Memphis, TN, Plaque for “Dedicated Service and Leadership in the Department of Surgery” (2011)

*Good Health Magazine, The Commercial Appeal, “Best Doctors Award” (2012)

“Most Compassionate Doctor Award”, Memphis, TN (2013)

“Top 10 Doctor” – State (2014)

“Top 10 Doctor” – Metro Area (2014)

“Top 10 Doctor” – City (2014)

“On Time Doctor Award” (2014)

“Top 10 Doctor” – State (2015)

*Outstanding Doctor of the Month”, SHA December (2015)

“Top 10 Doctor” – State (2016)

“Top 10 Doctor” – State (2017)

“Top 10 Doctor” – State (2018)

“America’s Most Honored Professionals” – (2018)

“Top 10 Doctor” – State (2019)

*Asian Australasian Neurosurgery Society (2019)

*Top 10 Doctor” – State (2020)

VI. NEUROSURGERY INTERNSHIP/ RESIDENT TRAINING

MEDICAL DOCTOR INTERNSHIP

Institute of Public Health of Canton Sarajevo, Bosnia and Herzegovina (June, 1984 – December, 1984)

RESIDENT NEUROSURGICAL TRAINING – (Two neurosurgical residency programs completed)

I. Bosnia-Herzegovina Board of Neurological Surgery:

Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia and Herzegovina:

(January, 1988 – December, 1992)

II. American Board of Neurological Surgery

Department of Neurosurgery, University of Arkansas for Medical Sciences, Little Rock, Arkansas
(July, 1997 – December, 2002)

VII. OTHER NEUROSURGICAL/ MEDICAL TRAINING/ACTIVITY/COURSES

VISITING RESIDENT IN NEUROSURGERY:

*Department of Neurosurgery, Nordstadt Hospital, Hannover, Germany (December, 1990)

ASSISTANT PROFESSOR OF EMERGENCY MEDICINE (Bosnia-Herzegovina):

College of Health Sciences, University of Sarajevo, Bosnia-Herzegovina (May, 1986 – December, 1987)

ATTENDING IN NEUROSURGERY (Bosnia-Herzegovina):

*Department of Neurosurgery, University Clinical Center, University of Sarajevo, Bosnia and Herzegovina (February, 1993 – June, 1994)

MEDICAL COURSES TAKEN:

1. Advanced Cardiac Life Support – ACLS (Little Rock, Arkansas, 1997)
2. Advanced Cardiac Life Support – ACLS (Memphis, Tennessee, 2004, 2006, 2007, 2008, 2009, 2010, 2012, 2014, 2016, 2018, 2020)
3. Epidemic: Prescribers' Response to Tennessee's Rx Drug Abuse Crisis, (June, 2012)

FELLOWSHIP IN NEUROSURGERY:

Skull Base Fellowship, Department of Neurosurgery, University of Arkansas for Medical Sciences, Little Rock, Arkansas (August, 1994 – December, 1996)

Clinical Fellowship, Department of Neurosurgery, University of Arkansas for Medical Sciences, Little Rock, Arkansas (January, 1997 – June, 1997)

NEUROSURGICAL COURSES TAKEN:

1. 2nd WFNS International Course on Clinical Neurosurgery, Hannover, Germany (December, 1990)
2. B R W – Image Guided Stereotactic System Course, Hannover, Germany (December, 1990)
3. 3rd WFNS International Course on Clinical Neurosurgery, Hannover, Germany (December, 1991)
4. Surgical Approaches to the Skull Base, St. Louis, Missouri (September, 1994)
5. Anterior Skull Base Approaches Practical Course, San Francisco, California (October, 1995)
6. Lateral Skull Base Approaches Practical Course, San Francisco, California (October, 1995)
7. Midas Rex Neurosurgical Practical Course, Fort Worth, Texas (December, 1995)
8. Leibinger Plating Systems Neurosurgical Practical Course, Little Rock, Arkansas (April, 1996)
9. Craniocervical Junction Practical Course, Minneapolis, Minnesota (April, 1996)
10. Lateral Approaches to the Skull Base Tumors Practical Course, Minneapolis, Minnesota (April, 1996)
11. Skull Base Practical Course, Little Rock, Arkansas (March, 1997)
12. Electrodiagnostic Spring Course, Little Rock, Arkansas (March, 1999)
13. Yasargil Microneurosurgical Course, Little Rock, Arkansas (April, 1999)
14. AO Interactive Spine Course, Davos, Switzerland (December, 2000)
15. Yasargil Microneurosurgical Course, Little Rock, Arkansas (February, 2001)

16. Clinician – Patient Communication to Enhance Health Outcomes, Little Rock, Arkansas (September, 2001)
17. Fundamental Principles and Techniques in Spinal Surgery, Memphis, Tennessee (January, 2002)
18. Minimally Invasive Osteoporotic Compression Fracture Treatment, Memphis, Tennessee (January, 2002)
19. Eliminating Errors in the OR, State Volunteer Mutual, Memphis, Tennessee (August, 2003)
20. AO Interactive Spine Course, Davos, Switzerland (December, 2003)
21. Charite` Artificial Disc Training, Cincinnati, Ohio (April, 2005)
22. Oral Board Preparation Course, St. Louis, Missouri (May, 2005)
23. Oral Board Preparation Course, Houston, Texas (November, 2005)
24. ABNS, MOC Cognitive Examination Preparation Course, Coral Gables, Florida (February 2013)
25. SI Primary Surgeon Training Program, New Orleans, LA (March, 2014)
26. Visualase Technical Training Course (November, 2015)
27. Optune training, Memphis, TN (May, 2017)

NEUROSURGICAL COURSES GIVEN (FACULTY/DIRECTOR):

1. Recent advances in approaches to sellar and parasellar pituitary tumors. Course Faculty, St. Louis, Missouri (October, 1997)
2. North American Skull Base Society Annual Meeting Practical Course. Course Co-Director, Little Rock, Arkansas (April, 1997)
3. North American Skull Base Society Annual Meeting Practical Course. Course Co-Director, Hawaii Big Island, Hawaii (March, 1998)

4. North American Skull Base Society Annual Meeting Practical Course. Course Co-Director, Chicago, Illinois (May, 1999)
5. Recent advances in approaches to sellar and parasellar pituitary tumors, Course faculty, St. Louis, Missouri (September, 1999)
6. Recent advances in approaches to sellar and parasellar pituitary tumors. Course Faculty, St. Louis, Missouri (October, 2000)
7. North American Skull Base Society Annual Meeting Practical Course. Course Faculty, Memphis, Tennessee (February, 2003)
8. North American Skull Base Society Annual Meeting Practical Course. Course Faculty, New Orleans, Louisiana (February, 2004)
9. American Board of Neurological Surgeons. Oral Board Preparation Course, Course Faculty, Houston, Texas (May, 2006)
10. Winter Clinics. Course faculty. Snowmass, Colorado (February, 2008)
11. American Board of Neurological Surgeons. Oral Board Preparation, Course Faculty, Houston, Texas (November, 2008)
12. Neurosurgical Approaches: Exploring the Brain Under Life-Like Conditions, Course Faculty, Little Rock, Arkansas (January, 2009)
13. Bosnian-Herzegovinian American Academy of Arts and Sciences. 1st Days of Bosnian-Herzegovinian American Academy of Arts and Sciences. Course Director. Sarajevo, Bosnia-Herzegovina. (October, 2009).
14. Bosnian-Herzegovinian American Academy of Arts and Sciences. 2nd Days of Bosnian-Herzegovinian American Academy of Arts and Sciences. Course Director. Tuzla, Bosnia-Herzegovina. (October, 2010).
15. Neurosurgical Approaches: 3D Live Surgery and Cadaver Dissection Under Life-Like Conditions, Course Faculty, Little Rock, Arkansas (April, 2011)

16. Bosnian-Herzegovinian American Academy of Arts and Sciences. 3rd Days of Bosnian-Herzegovinian American Academy of Arts and Sciences. Course Director. Zenica, Bosnia-Herzegovina (October, 2011)
17. Bosnian-Herzegovinian American Academy of Arts and Sciences. 4th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences. Course Director. Sarajevo, Bosnia-Herzegovina (April, 2012)
18. Neurosurgical Approaches: 3^o Live Surgery and Cadaver Dissection Under Life-Like Conditions, Course Faculty, Little Rock, Arkansas (November, 2012)
19. Bosnian-Herzegovinian American Academy of Arts and Sciences, International Neurosurgical/Spine Symposium, 5th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Course Director Mostar, Bosnia-Herzegovina (April, 2013)
20. Bosnian-Herzegovinian American Academy of Arts and Sciences, 6th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Neurosurgical and Spinal Symposium, Bhiac, Bosnia-Herzegovina (May, 2014)
21. Arkansas Neuroscience Institute, Unlocking the Cavernous Sinus, Hands-On Cadaver Workshop, Course Faculty, Little Rock, AR (August, 2014)
22. Arkansas Neuroscience Institute, Advanced Resident Neurosurgical Approaches – 3D Live Surgery and Cadaver Dissection Under Like Conditions, Course Faculty, Little Rock, AR (November, 2014)
23. Bosnian-Herzegovinian American Academy of Arts and Sciences, 7th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Neurosurgical and Spinal Symposium, Brcko, Bosnia-Herzegovina, Course Director (April, 2015)
24. 26th Al-Mefty Annual Skull Base Approaches Course, Microscopic and Endoscopic, Course Faculty, St. Louis, MO (April, 2015)
25. Arkansas Neuroscience Institute, Unlocking the Cavernous Sinus, Hands-On Cadaver Workshop, Course Faculty, Little Rock, AR (August, 2015)

26. Arkansas Neuroscience Institute, Al-Mefty Annual Skull Base Approaches Course, Hands-On Cadaver Workshop, Course Faculty, Little Rock, AR (February, 2016)
27. Arkansas Neuroscience Institute, Al-Mefty Annual Skull Base Approaches Course, Hands-On Cadaver Workshop, Course Faculty, Little Rock, AR (February, 2016)
28. Bosnian-Herzegovinian American Academy of Arts and Sciences, 8th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Neurosurgical and Spinal Symposium, Neum, Bosnia-Herzegovina, Course Director (May, 2016)
29. 1st Osijek Anterior Cervical Spine International Neurosurgical Course, Course Director, Osijek, Croatia, (October, 2016)
30. Arkansas Neuroscience Institute, Advanced Resident Neurosurgical Approaches – 3D Live Surgery and Cadaver Dissection Under Like Conditions, Course Faculty, Little Rock, AR (December, 2016)
31. Arkansas Neuroscience Institute, Al-Mefty Course: Microsurgery of Skull Base Tumors, Hands-On Cadaver Workshop, Course Faculty, Little Rock, AR (February, 2017)
32. 28th Al-Mefty Annual Skull Base Approaches Course, Microscopic and Endoscopic, Course Faculty, St. Louis, MO (April, 2017)
33. Bosnian-Herzegovinian American Academy of Arts and Sciences, 9th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Neurosurgical and Spinal Symposium, Teslic, Bosnia-Herzegovina, Course Director (May, 2017)
34. Medtronic MERI Cervical Cadaver Course C3, Course Faculty, Memphis, TN (September, 2017)
35. Cerebrovascular and Skull Base Symposium, Harvard Medical School, Course Faculty, Boston, MA (October, 2017)
36. How to safely operate: In, through, and around the Cavernous Sinus, Course Faculty, Arkansas Neuroscience Institute, Little Rock, AR, (October, 2017)

37. 3rd International Multidisciplinary Medical Congress, Course Faculty, University of Tirana, Tirana, Albania (November, 2017)
38. 29th AI-Mefty Annual Skull Base Approaches Course, Microscopic and Endoscopic, Course Faculty, St. Louis, MO (April, 2018)
39. AANS, International Symposium – Tumor Session moderator, New Orleans, LA (April, 2018)
40. AANS Meeting, Chari Malformation: Diagnosis, treatments and failures, Course Faculty, New Orleans, LA, (April, 2018)
41. South East Europe Neurosurgical Society, Semmes Murphey Clinic, and The Department of Neurosurgery University of Tennessee: Leadership Symposium, Course Director, Memphis, TN (May, 2018)
42. WFNS International Meeting, Pre-meeting course Global Neuro, ICP Management and multimodal monitoring, Moderator, Belgrade, Serbia (March, 2018)
43. The Evandro de Oliveira Symposium, Course Committee, San Diego, CA (April, 2019)
44. American Association of Neurological Surgeons, International Symposium, Co-Director, San Diego, CA (April, 2019)
45. American Association of Neurological Surgeons, International Symposium, Tumor Module, Moderator, San Diego, CA (April, 2019)
46. American Association of Neurological Surgeons, Breakfast Seminar, Spinal Cord Tumors, Moderator, San Diego, CA (April, 2019)
47. American Association of Neurological Surgeons, Breakfast Seminar, Chiari Malformations, Panelist, San Diego, CA (April, 2019)
48. Book Promotion - Arnautovic KI, Gokaslan, ZL. Spinal Cord Tumors, WFNS International Meeting, Belgrade, Serbia, Moderator (March 2019)
49. Book Promotion – Arnautovic KI, Gokaslan, ZL. Academy of Arts and Sciences, Sarajevo, Bosnia and Herzegovina, (June 2019).
50. 2nd SeENS International Educational Course, Walking the Silk Road, Zagreb, Croatia, (August, 2019).

51. 7th Massin Congress, Cartagena, Columbia, (November 2019).

52. Neuro-Oncology Aspects in Modern Neurosurgery of the 21st Century, Co-Director Sarajevo, Bosnia Herzegovina (January 2020)

53. XXXII Prof. Dr. Nurhan Avman Conference, Ankara, Turkey, (February, 2020).

VIII. LICENSURE/CERTIFICATION

* MEDICAL DOCTORS STATE EXAMINATION: Passed Exam for State Medical Board of Ministry of Health of the Government of the Republic of Bosnia and Herzegovina (December, 1984)

* NEUROSURGICAL BOARD EXAMINATION: passed Exam for Neurosurgical Board of the Ministry of Health of the Government of the Republic of Bosnia and Herzegovina (February, 1993)

* USMLE Step I: Passed (October, 1995)

* USMLE Step II: Passed (September, 1996)

* USMLE Step III: Passed (December, 1998)

*ARKANSAS STATE MEDICAL BOARD (June, 1999-present)

*AMERICAN BOARD OF NEUROSURGERY PRIMARY WRITTEN EXAM: Passed for credit toward certification (March, 2001-present)

*TENNESSEE STATE BOARD OF MEDICAL EXAMINERS (August, 2002-present)

*AMERICAN BOARD OF NEUROSURGERY ORAL EXAM (Board Certified, November, 2005)

*AMERICAN BOARD OF NEUROSURGERY, Maintenance of Certification (2005-present)

*MISSISSIPPI STATE BOARD OF MEDICAL EXAMINERS (December, 2006-present)

*AMERICAN BOARD OF NEUROSURGERY MOC Cognitive Examination – Passed (2013)

*BOSNIA-HERZEGOVINA MEDICAL LICENSE (November, 2013-present)

*ALABAMA STATE BOARD OF MEDICAL EXAMINERS (September, 2015-present)

IX: DIRECTOR OF INTERNATIONAL NEUROSURGERY FELLOWSHIP PROGRAM FOR SEMMES-MURPHEY CLINIC AND DEPARTMENT OF NEUROSURGERY UNIVERSITY OF TENNESSEE (2009 – present)

VISITING INTERNATIONAL NEUROSURGERY FELLOWS/PROFESSORS:

- *Alexander Sanikidze, MD, Moscow, Russia (August, 2009)
- *Goran Lakicevic, MD, Mostar, Bosnia-Herzegovina (November, 2010)
- *Bruno Splavski, MD, Osijek, Croatia (February, 2011)
- *Mirza Biscevic, MD, Sarajevo, Bosnia-Herzegovina (April, 2011)
- *Ibrahim Omerhodzic, MD, Sarajevo, Bosnia-Herzegovina (November, 2011)
- *Dario Muzevic, MD, Osijek, Croatia (May, 2013) (Ph.D. Committee President for Dr. Dario Muzevic, School of Medicine, JJS University of Osijek, Croatia)
- *Ibrahim Omerhodzic, MD, Sarajevo, Bosnia-Herzegovina (August, 2014)
- *Eldin Burazerovic, MD, Sarajevo, Bosnia-Herzegovina (December, 2014)
- *Bruno Splavski, MD, Osijek, Croatia, International Fellowship (April 2015)
- *Dario Muzevic, MD, Osijek, Croatia, International Fellowship (April 2015)
- *Irina Bagic, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Nikolina Grvavac, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Mateo Grigic, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Dragan Jankovic, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Marijana Kovacevic, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Marin Kuharic, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Vjenceslav Vrtaric, Medical Student Exchange, Osijek, Croatia, (April 2015)
- *Marko Kovacevic, MD, Osijek, Croatia, International Fellowship (September 2015)
- *Lukas Rasulic, MD, Visiting Professor, Belgrade, Serbia (May 2016)
- *Petar Vulekovic, MD, Visiting Professor, Novi Sad, Serbia (May 2016)

*Jack Mullins, Medical Student/Research, Memphis, TN (August 2016)

*Mirza Pojskic, MD, Marburg, Germany (February 2017)

*Adi Ahmetpahic, MD, Sarajevo, Bosnia-Herzegovina (April 2017)

*Kresimir Rotim, MD, Zagreb, Croatia (April 2017)

*Tomislav Sajko, MD, Zagreb, Croatia (April 2017)

*Domagoj Gajski, MD, Zagreb, Croatia (February, 2018)

*Josiah Fahhoum, Memphis, TN (July, 2018)

*Filip Vrban, MD, Zagreb, Croatia (August, 2019)

*Ante Rotim, MD, Zagreb, Croatia (August, 2019)

X. MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS AND ORGANIZATIONS

*Congress of Neurological Surgeons (1997 - present)

*American Association of Neurological Surgeons (2000 - present)

*North American Spine Society (2002 - present)

*Tennessee Medical Association (2003 - present)

*Tennessee Neurosurgical Society (2003 - present)

*Memphis and Shelby County Medical Society (2003 - present)

*Southern Neurosurgical Society (2004 – present)

*North American Skull Base Society (2005 - present)

*American College of Surgeons (2007 - present)

*Bosnian-Herzegovinian-American Academy of Arts and Sciences (2007 - present)

*Academy of Medical Sciences in Bosnia and Herzegovina (2012 – present)

*Croatian Medical Association (2014 – present)

*Croatian Neurosurgical Society – Member (2014 - present)

*Bosnia-Herzegovina Neurosurgical Association (2014 - present) (Honorary)

- *Southeast Europe Neurosurgical Society (2015 - present) (Honorary)
- *European Association of Neurosurgical Societies (2016 - present)
- *Serbian Neurosurgical Society (2017 - present) (Honorary)
- *Croatian Neurosurgical Society (2017-present) (Honorary)
- *Croatian Society for cerebrovascular and endovascular neurosurgery (2018-present) (Honorary)
- *World Federation of Neurosurgical Societies (2017) to present

XI. VOLUNTEER/ OFFICE POSITIONS IN NEUROSURGICAL/SCIENTIFIC/ MEDICAL ASSOCIATIONS

- *Marshals Committee, CNS Annual Meeting, Chicago, Illinois, October, 1994
- *Sergeant at Arms Committee, AANS Annual Meeting, Orlando, Florida, April, 1995
- *Marshals Committee, CNS Annual Meeting, San Francisco, California, October, 1995
- *Sergeant at Arms Committee, AANS Annual Meeting, Minneapolis, Minnesota, April, 1996
- *International Committee, CNS, 2003 – 2006
- *International Outreach Committee, AANS, 2007, 2010
- *Memphis Journal Review Club, Member, 2006 to present.
- *Memphis Journal Review Club, President, 2007, 2008,
- *Bosnian-Herzegovina American Academy of Arts and Science, Board Member, 2007-2012.
- *Bosnian-Herzegovinian American Academy of Arts and Sciences, President, 2010-2011.
- *Bosnian-Herzegovinian American Academy of Arts and Sciences, Advisory Board, 2012 to present.
- *Chairman, Department of Surgery, Baptist Memorial Hospital, Memphis, TN, 2011
- *Chairman, Division of Neurosurgery, Baptist Memorial Hospital, Memphis, TN, 2009- 2014.
- *Chairman, Neuroservice Line, Baptist Memorial Hospital, Memphis, TN, 2013 to present.

*Vice-Chairman, International Committee, American Association of Neurological Surgeons, 2016 to 2017.

*Chairman of the International Programs Committee, American Association of Neurological Surgeons, 2017 to present.

*American Association of Neurological Surgeons, Scientific Program Committee Member, 2017 to present.

*WFNS Web and Publication Committee Member (2017 to present).

*Chairman, North American Chapter of SeENS (2019 to present)

XII. INVESTIGATIONS, CLINICAL TRIALS

*Medical Consultant, Dupuy Spine, 2005, 2006, 2007

*Prestige ST Cervical Disc, Medtronic, 2004, 2005, 2006

*Kineflex Cervical Disc, Spinal Motion, 2006, 2007, 2008, 2009

XIII. RESEARCH/LAB EXPERIENCE

*Research Fellow and Director of Skull Base Laboratory, Department of Neurosurgery, University of Arkansas for Medical Sciences, Little Rock, Arkansas (August, 1994 – December, 1996)

XIV. JOURNAL PUBLISHING/EDITORIAL/REVIEW EXPERIENCE

*Assistant Editor of the CHIRURGIA NEUROLOGICA – Journal of Yugoslav Neurosurgical Association (1990-1992)

*Newsletter Editor, BHAAAS (2008, 2009)

*Web Site Editor, BHAAAS (2008, 2009)

- *Spine, NASS, Editorial Board Member (2009 - 2016)
- *Neurosurgery, Ad Hoc Reviewer (2013 - present)
- *The Spine Journal, NASS, Editorial Advisory Board Member and Reviewer, (2010 -present)
- *Acta Medica Saliniana, Reviewer (2010-present)
- * Abstract Reviewer for NASS 26th Annual Meeting, Chicago, IL (2011)
- *Abstract Reviewer for NASS 27th Annual Meeting, Dallas, TX (2012)
- *Case Reports in Neurological Medicine, Editorial Board Member, (2011- 2016)
- *Medical Archives, Editorial Board Member (2012 – present)
- *Sanamed, Medical Journal Review Board Member, Novi Pazar, Serbia (2012-present)
- *Contemporary Neurosurgery, Editorial Board Member (2013-present)
- *Journal of Neurosurgical Sciences, Reviewer (2014 –present)
- *Operative Neurosurgery, Associate Editor (2015 to present)
- *Bosnian Journal of Basic Medical Sciences, Editorial Board Member (2018-present)

XV. PUBLICATIONS AND PRESENTATIONS

A. Publications

Articles:

1. Custovic K, Skljarevski V, Jurisic J, **Arnautovic KI.** Assessment of outcome of the trauma related cerebral coma. Proceedings of the 11th World Congress of the International Association for Accident and Traffic Medicine, Dubrovnik, Croatia: 329-332, 1998.

2. Custovic K, Skljarevski V, Jurisic, **Arnautovic KI**. Characteristics of cervical spinal injuries associated with head injuries. Proceedings of the 11th World Congress of the International Association for Accident and Traffic Medicine, Dubrovnik, Croatia: 333-337, 1998.
3. Custovic K, Skljarevski V, **Arnautovic KI**. Development, treatment and prognosis in acute traumatic subdural hematoma. Proceedings of the 11th World Congress of the International Association for Accident and Traffic Medicine, Dubrovnik, Croatia: 337-340, 1988.
4. **Arnautovic KI**, Konjhodzic F, Kadic N. Craniocerebral injuries in the complexity of the skiing injuries. Medicinski Arhiv 42: 303-307, 1988.
5. Kadic N, Custovic K, **Arnautovic KI**. Operative treatment of the cervical disc lesions using anterior approach without intervertebral fusion. Medicinski Arhiv 42: 281-285, 1988.
6. **Arnautovic KI**, Konjhodzic F. A conservative treatment of the isolated spinal cord injuries. Proceedings of the International Symposium on Spine and Spinal Cord Diseases and Injuries, Varazdinske Toplice, Croatia: 87-97, 1989.
7. Kadic N, Kundurovic I, **Arnautovic KI**. Syndrome of neurovascular compression in the upper thoracic outlet. Acta Chirurgica Jugoslavica 36: 662-664, 1989.
8. Gavranovic M, **Arnautovic KI**. Nuic A. Cerebrovascular disease in the senium. Proceedings of the II Bosnian Gerontological Symposium, Mostar, Bosnia and Herzegovina: 41-46, 1989.
9. Custovic K, Konjhodzic F, **Arnautovic KI**. Hematomas of gangliobasal and thalamic localization. Medicinski Arhiv 43: 125-129, 1989.

10. Kadic N, **Arnautovic KI**, Percutaneous lumbar discectomy using CT scan as a radiological guide. *Chirurgia Neurologica* 1: 19-22, 1990.
11. Kadic N, **Arnautovic KI**. Ultrasound surgical resection of brain gliomas. *Chirurgia Neurologica* 1: 32-34, 1990.
12. **Arnautovic KI**. Spinal cord injury without radiological abnormality (SCIWORA): the incidence, pathology, clinical observation and treatment. *Chirurgia Neurologica* 1: 40-54, 1990.
13. Kadic N, **Arnautovic KI**. Percutaneous lumbar discectomy guided by computer tomography. Advantages and disadvantages. Proceedings of the 2nd Course on Percutaneous Lumbar Discectomy, Zagreb, Croatia: 85-92, 1991.
14. Pait T G, Killefer J A, **Arnautovic KI**. Surgical anatomy of the anterior cervical spine: The disc space, vertebral artery, and associated bony structures. *Neurosurgery* 39: 769-777, 1996.
15. **Arnautovic KI**, Al-Mefty O, Pait T G, Krisht A F, Husain M. Suboccipital cavernous sinus. *Journal of Neurosurgery* 86: 253-262, 1997 (Cover Article)
16. Pait T G, **Arnautovic KI**, Borba L A B. Microsurgical anatomy of the atlantoaxial region. *Perspectives in Neurological Surgery* 7: 91-98, 1997
17. Krisht A F, **Arnautovic KI**, Al-Mefty O. Current treatment of petroclival meningiomas. *Perspectives in Neurological Surgery* 8: 39-55, 1997.

18. **Arnautovic KI**, Al-Mefty O, Agntuaco E. The combined microsurgical skull base and endovascular approach to the giant and large paraclinoid aneurysms. *Surgical Neurology* 50: 504-520, 1998.

19. **Arnautovic KI**, Al-Mefty O, Agntuaco E, Phares LJ. Dural arteriovenous malformations acquired as a result of transverse-sigmoid sinus obstruction by the tumor: Report of two cases. *Neurosurgery* 42: 383-389, 1998.

20. Pait TG, Al-Mefty O, Boop FA, **Arnautovic KI**, Rahman S, Ceola W. Inside-outside technique for occipital and posterior cervical spine instrumentation and stabilization: Preliminary results. *Journal of Neurosurgery (Spine)* 90: 1-8, 1999 (Cover Article)

21. **Arnautovic KI**, Al-Mefty O, Husain M. Meningiomas of the ventral foramen magnum. *Neurosurgical Focus* 6: 1999.

22. **Arnautovic KI**, Krisht AF. Transverse-sigmoid dural arteriovenous malformations. *Contemporary Neurosurgery* 21: 1-5, 1999.

23. **Arnautovic KI**, Al-Mefty O, Husain M. Ventral foramen magnum meningiomas. *Journal of Neurosurgery (Spine)* 92: 71-80, 2000.

24. Pait TG, Castro I, **Arnautovic KI**, Borba LAB. Compound osteosynthesis in the thoracic spine for treatment of vertebral metastases. Technical report. *Arquivos Neuro-Psiquiatria* 58: 52-56, 2000.

25. **Arnautovic, KI**, Husain M, Linskey ME. Cranial nerve root entry zone primary cerebellopontine angle gliomas: a rare and poorly recognized subset of extraparenchymal tumors. *Journal of Neuro-Oncology* 49: 205-212, 2000.

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28. **Arnautovic KI**, Pait TG, Ture U. Costotransverse vertebral complex of the thoracic spine: Type I and Type II. Southern Neurosurgical Society Annual Meeting Jointly Sponsored by the AANS, Memphis, Tennessee, 1999.

29. Teo C, Dornhoffer J, **Arnautovic KI**. The application of endoscopy to pediatric skull base tumors. Annual Meeting of the North American Skull Base Society, Chicago, Illinois, 1999.

30. **Arnautovic KI**, Al-Mefty O. Primary foramen jugulare meningiomas. The Third International Conference on Acoustic Neurinomas and Other Cerebellopontine Angle Lesions, Rome, Italy, June, 1999.

31. **Arnautovic, KI**, Linskey ME. Cranial nerve root entry zone primary cerebellopontine angle gliomas. The Third International Conference on Acoustic Neurinomas and Other Cerebellopontine Angle Lesions, Rome, Italy, June, 1999.

32. **Arnautovic, KI**, Al-Mefty O, Pieper DR. The intraoperative use of frameless stereotactic navigation in the treatment of cerebellopontine angle lesions. The Third International Conference on Acoustic Neurinomas and Other Cerebellopontine Angle Lesions, Rome, Italy, June, 1999.

33. Al-Mefty O, **Arnautovic KI**. Management of petrous apex cholesterol granulomas. The Third International Conference on Acoustic Neurinomas and Other Cerebellopontine Angle Lesions. Rome, Italy, June, 1999.

34. **Arnautovic KI**, Linskey ME. Cranial nerve root entry zone primary cerebellopontine angle gliomas. Annual Meeting of the North American Skull Base Society, Scottsdale, Arizona, 2000.

35. **Arnautovic KI**, Al-Mefty O. Ventral foramen magnum meningiomas. Annual Meeting of the North American Skull Base Society, Scottsdale, Arizona, 2000.

36. **Arnautovic KI**, Al-Mefty O. Jugular fossa meningiomas. Annual Meeting of the North American Skull Base Society. Memphis, Tennessee, 2003.

37. **Arnautovic, KI**. Skull Base Microsurgical Approaches in Management of Complex Intracranial Lesions: 11 Months Experience in Memphis. Annual Meeting of the Southern Neurosurgical Society, Amelia Island, Florida, 2004.

38. **Arnautovic KI**. Skull Base Approaches and Microsurgical Clipping of Complex Intracranial Aneurysms: A historical method or a gold standard. Tennessee Neurosurgical Society Annual Meeting, Nashville, Tennessee, 2004.

39. **Arnautovic KI**. Jugular fossa meningiomas, Annual Neurosurgical Symposium, Sarajevo. Bosnia-Herzegovina, 2007.

40. **Arnautovic KI**. Spinal cord tumors – five years experience: differential diagnosis and operative pearls, Annual Neurosurgical Symposium. Sarajevo, Bosnia and Herzegovina, 2007.

41. **Arnautovic KI**. Intradural Extramedullary Spinal Cord Tumors, SUNS Annual Meeting, Faculty, Rome, Naples, Capri, Italy, June, 2009.

42. **Arnautovic KI**. Microsurgical Technique and Technical Pitfalls of Chiari I Decompression, World Congress of Neurological Surgery, Boston, Massachusetts, August, 2009.

43. **Arnautovic KI**. Chiari I malformation: clinical implications and methods of treatment, 1st Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Sarajevo, Bosnia-Herzegovina, October, 2009.

44. **Arnautovic KI**. Extra-axial tumors of the spinal cord: Epidemiology and modern treatment, 1st Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Sarajevo, Bosnia-Herzegovina, October, 2009.

45. **Arnautovic KI**. Pathophysiology of spinal osteoporosis in the elderly and its health implications, 1st Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Sarajevo, Bosnia-Herzegovina, October, 2009.
46. **Arnautovic KI**. Surgical Treatment for Chiari I Malformations: Microsurgical Anatomy, Surgical Techniques and Complications, EANS, Groningen, The Netherlands, March, 2010
47. **Arnautovic KI**. Ventral Foramen Magnum Meningioma, 2nd Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Sarajevo, Tuzla, Bosnia-Herzegovina, October, 2010.
48. **Arnautovic KI**. Giant Intracranial Meningiomas, Microsurgical Treatment and Lessons Learned, 3rd Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Zenica, Bosnia-Herzegovina, October, 2011.
49. **Arnautovic KI**. Microsurgical Treatment of Posterior Fossa Tumors – Lessons Learned, 4th Days of Bosnian-Herzegovinian American Academy of Arts and Sciences, Sarajevo, Bosnia-Herzegovina, April, 2012
50. **Arnautovic KI**. Anterior Cervical Discectomy, Drainage and Non-instrumented Corticocancellous Allograft Fusion: A Treatment Option for Ventral Cervical Spinal Epidural Abscess. , Annual Meeting of the Academy of Medical Sciences in Bosnia and Herzegovina. Sarajevo, May 2012.
51. **Arnautovic KI**. Benign but Ugly Meningiomas, 8th International Congress on Meningiomas and the Cerebral Venous System and 3rd International Symposium on the Cavernous Sinus, Little Rock, Arkansas, November 2012.

52. **Arnautovic KI.** Suboccipital Cavernous Sinus and Implications of Craniocervical Junction venous Anatomy to Surgical Decision Process, 8th International Congress on Meningiomas and the Cerebral Venous System and 3rd International Symposium on the Cavernous Sinus, Little Rock, AR, November 2012
53. **Arnautovic KI** Neurosurgical Management of Traumatic Brain Injury, 5th Days of Bosnia-Herzegovinian American Academy of Arts and Science, Mostar, Bosnia-Herzegovina, April 2013.
54. **Arnautovic KI.** American Board of Neurological Surgery: from Residency to Retirement – Keeping us on our Toes Indefinitely and Bibliometrics in Neurosurgery, 5th Days of Bosnia-Herzegovinian American Academy of Arts and Science, Sarajevo, Bosnia-Herzegovina, April 2013.
55. **Arnautovic KI.** Association of Increased Body Mass Index with Adult Chiari 1 Malformation and Syrinx Formation. Tennessee Neurosurgical Society, August 2013.
56. **Arnautovic KI.** Suprasellar/ III ventricle tumors. A case for microsurgical treatment. 6th Days of Bosnia-Herzegovinian American Academy of Arts and Science, Bihac, Bosnia-Herzegovina, May 2014.
57. **Arnautovic K.I** The association of increased body mass index with formation of syringomyelia and Chiari I malformation in adults. 6th Days of Bosnia-Herzegovinian American Academy of Arts and Science, Bihac, Bosnia-Herzegovina, May 2014.
58. **Arnautovic KI.** Skull Base Approaches to the Posterior Fossa, Technical Note, 7th International Sarajevo Symposium of Neurosurgery, Sarajevo, Bosnia-Herzegovina, May 2014.

59. **Arnautovic, KI**. Unlocking the Cavernous Sinus: Cranio-orbital Approach to Cavernous Sinus, Arkansas Neuroscience Institute, Little Rock, AR, August 2014.

60. **Arnautovic, KI**. Unlocking the Cavernous Sinus: Zygomatic Approach to Cavernous Sinus, Arkansas Neuroscience Institute, Little Rock, AR, August 2014.

61. **Arnautovic, KI**. Posterior Petrosal Approach, 30th Brazilian Congress of Neurosurgery, Curitiba, Brazil, September, 2014.

62. **Arnautovic, KI**. Olfactory Groove Meningiomas, 30th Brazilian Congress of Neurosurgery, Curitiba, Brazil, September, 2014.

63. **Arnautovic, KI**. Jugular Foramen Meningiomas, 30th Brazilian Congress of Neurosurgery, Curitiba, Brazil, September 2014.

64. **Arnautovic, KI**. Foramen Magnum Meningiomas, 30th Brazilian Congress of Neurosurgery, Curitiba, Brazil, September, 2014.

65. **Arnautovic, KI**. Microsurgical Approach to Spinal Intradural Extramedullary Tumors, 30th Brazilian Congress of Neurosurgery, Curitiba, Brazil, September, 2014.

66. **Arnautovic, KI**. Suboccipital Approach to Posterior Cranial Fossa Lesions, Arkansas Neuroscience Institute, Little Rock, AR, November, 2014.

67. **Arnautovic, KI.** Chiari Malformation Operative Treatment and Outcome, Department of Neurosurgery, School of Medicine Osijek University, Osijek, Croatia, November 2014.
68. **Arnautovic, KI.** From Residency to Retirement, Sarajevo Medical School at Sarajevo School of science and Technology, November 2014.
69. **Arnautovic, KI.** Skull Base Approaches and Microsurgery of Large and Giant Tumors of the Posterior Cranial Fossa, 7th Congress of the Croatian Neurosurgical Society, Zagreb, Croatia, November 2014.
70. **Arnautovic, KI.** Spinal Cord Tumors – A Personal Series Update”, 7th Days of Bosnia-Herzegovinian American Academy of Arts and Sciences, Brcko, Bosnia-Herzegovina, April 2015
71. **Arnautovic, KI.** CNS Tumors, SSST, Sarajevo, Bosnia-Herzegovina, April 2015.
72. Muzevic D, Splavski B, **Arnautovic, KI.** Patterns of allograft subsidence after Anterior Cervical Discectomy and Fusion, 7th Days of Bosnia-Herzegovinian American Academy of Arts and Sciences, Brcko, Bosnia-Herzegovina, April, 2015
73. **Arnautovic, KI.** Cranio orbital pre-temporal trans-cavernous approaches to juxtacellular lesions, Unlocking the Cavernous Sinus, Arkansas Neuroscience Institute, Little Rock, AR, August, 2015.
74. **Arnautovic, KI.** Microsurgical skull base approaches to giant and large posterior cranial fossa tumors, Unlocking the Cavernous Sinus, Arkansas Neuroscience Institute, Little Rock, AR, August, 2015.

75. **Arnautovic, KI.** Pediatric and Adult Chiari Malformation Type I Surgical Series 1965-2013: a Review of Demographics, Operative Treatment and Outcomes. TNS Meeting, Nashville, TN, August, 2015.
76. **Arnautovic, KI.** Cranio-Orbital Pretemporal Skull Base Approach to Sella/Juxtapellar Tumors Southeast Europe Neurosurgical Society, Sarajevo, Bosnia-Herzegovina, October, 2015.
77. **Arnautovic, KI.** Microsurgical resection of spinal cord tumors: Re-evaluation of personal series, Southeast Europe Neurosurgical Society, Sarajevo, Bosnia-Herzegovina, October, 2015.
78. Kovacevic, M, **Arnautovic, KI.** Combined microsurgical, endoscopic and neuro-navigation assisted trans-sphenoidal resection of pituitary tumors: Our experience. Southeast Europe Neurosurgical Society, Sarajevo, Bosnia-Herzegovina, October, 2015.
79. **Arnautovic, KI.** Surgical anatomy: suboccipital and retrosigmoid approach, Advanced Resident Course Neurosurgical Approaches, Arkansas Neurosurgical Institute, Little Rock, AR, December 2015.
80. **Arnautovic, KI.** Cranio-Orbital Pretemporal Skull Base Approach to Sella/Juxtapellar Tumors, Richard Lende Neurosurgery Conference, Snowbird, UT, February 2016
81. **Arnautovic, KI.** Anterior cranial fossa meningioma olfactory groove – tuberculum sellae and anterior clinoid. 8th Days of BHAAAS, Neum, Bosnia-Herzegovina, May 2016.

82. Kovacevic, M, **Arnautovic, KI**. Combined microsurgical, endoscopic and neuro-navigation assisted trans-sphenoidal resection of pituitary tumors: Our experience. 8th Days of BHAAAS, Neum, Bosnia-Herzegovina, May 2016.
83. **Arnautovic, KI**. Intradural spinal cord tumors. Sarajevo Medical School, SST University, Sarajevo, Bosnia-Herzegovina, May 2016.
84. **Arnautovic, KI** Cranio-orbital pretemporal skull base approach to sellar/juxtapellar meningiomas, World Skull Base Congress, Osaka, Japan, June 2016
85. **Arnautovic, KI**. Intradural extramedullary spinal meningioma: Personal series, World Skull Base Congress, Osaka, Japan, June 2016.
86. **Arnautovic, KI**. Cranio-orbital pretemporal skull base approach to sellar/juxtapellar meningiomas, Tennessee Neurosurgical Society, Nashville, TN, July 2016.
87. **Arnautovic, KI** Outcomes of Surgical Treatment in Adult Chiari 1 Malformation, EANS, Athens Greece, September 2016
88. **Arnautovic, KI**. Cranio-Orbital Pretemporal Skull Base Approach to Sella/Juxtapellar Tumors, Grand Rounds, Brigham and Women's Hospital, Harvard School of Medicine, Boston, MA, September, 2016.
89. **Arnautovic, KI**. Surgical technique for anterior cervical discectomy and fusion, 1st Osijek Anterior Cervical Spine International Neurosurgical Course, Osijek, Croatia, October, 2016.

90. **Arnautovic, KI.** Microsurgical Anatomy of the thoracic spine: the fundamentals of the thoracic spinal stability, Controversies in Neurotraumatology, Novi Sad, Serbia, October, 2016
91. **Arnautovic, KI.** My Homeland Bosnia, my American Dream, my Passion for Neurosurgery, Key Note Address, International Medical Students Congress, Sarajevo, Bosnia-Herzegovina, February, 2017.
92. **Arnautovic, KI.** Microsurgical resection of brainstem hemangioblastoma, North American Skull Base Society, New Orleans, LA, March, 2017
93. **Arnautovic, KI.** Cranio-Orbital Pretemporal Skull Base Approach to Sella/Juxtapellar Tumors, 28th Annual Skull Base Approaches: Microscopic and Endoscopic, St. Louis, MO, April, 2017.
94. **Arnautovic, KI.** Anatomic consideration for surgery of craniocervical junction, 28th Annual Skull Base Approaches: Microscopic and Endoscopic, St. Louis, MO, April, 2017.
95. **Arnautovic, KI.** Suprasellar and Juxtapellar Tumors: Complications and Avoidance, American Association of Neurological Surgeons, Los Angeles, CA, April 2017.
96. **Arnautovic, KI.** Introduction of Frederick Book, MD, the 85th President of the American Association of Neurological Surgeons, American Association of Neurological Surgeons, Los Angeles, CA April 2017.
97. **Arnautovic, KI.** Cranio-Orbital Pretemporal Skull Base Approach to Sellar/Justasellar Lesions, 8th Congress of Croatian Neurological Society, Split, Croatia May 2017.

98. Kovacevic M, Splavski B, **Arnautovic, KI**. The Value of Autologous Fat Grafting in Prevention of CSF-Related Complications Following Intradural Spinal Tumor Surgery, 8th Congress of Croatian Neurological Society, Split, Croatia May 2017.
99. **Arnautovic, KI**. “Engaging the Millennial Resident in the Neurosurgery Training of the 21st Century – Overview of the Neurosurgery Resident in the USA”, School of medicine, University of Sarajevo, Bosnia-Herzegovina, May 2017.
100. **Arnautovic, KI**. “Engaging the Millennial Resident in the Neurosurgery Training of the 21st Century – Overview of the Neurosurgery Resident in the USA”, School of medicine, Sarajevo School of Science and Technology, Sarajevo, Bosnia-Herzegovina, May 2017.
101. **Arnautovic, KI**. Giant and Large Parafalcine Meningiomas” Paradigms of Treatment, School of medicine, University of Sarajevo, Bosnia-Herzegovina, May 2017.
102. **Arnautovic, KI**. Giant and Large Parafalcine Meningiomas” Paradigms of Treatment, 8th Congress of the Croatian Neurosurgical Society Joint Meeting with the Italian Society of Neurosurgery, May 2017.
103. **Arnautovic, KI**. Parasagittal/Falx Meningiomas, WFNS , Istanbul, Turkey, August, 2017.
104. **Arnautovic, KI**. Treatment of Intra-axial and Extra-axial Spinal Cord Tumors, WFNS, Istanbul, Turkey, August 2017
105. **Arnautovic, KI**. Cerebrovascular and Skull Base Symposium, Harvard Medical School, Course Faculty, Boston, MA, October, 2017

106. **Arnautovic, KI**. Cranio-Orbital Pretemporal Skull Base Approach to Sellar/Justasellar Lesions - Case Review, How to safely operate: In, through, and around the Cavernous Sinus, Arkansas Neuroscience Institute, Little Rock, AR, October, 2017
107. **Arnautovic, KI**. Spinal Cord Tumors: Personal Experience Over 14 Years, 6th MASSIN Congress, Becici, Budva, Montenegro, October, 2017
108. **Arnautovic, KI**. Skull base approaches and microsurgery of large and giant tumors of the posterior cranial fossa, 3rd International multidisciplinary Medical Congress, Tirana, Albania, November 2017.
- 109 **Arnautovic, KI**. Cranio-Orbital Pretemporal Skull Base Approach to Sellar/Juxtapellar lesions, 3rd International multidisciplinary Medical Congress, Tirana, Albania, November 2017.
- 110 **Arnautovic, KI**. Spinal Cord Tumors: Personal Experience over 14 years, Richard Lende Neurosurgery Conference, Snowbird, UT, February, 2018.
- 111 **Arnautovic, KI**. Recurrent Meningioma after Gross Total Resection, North American Skull Base Society Annual Meeting, San Diego, CA, February, 2018.
- 112 **Arnautovic, KI**. Combined Microsurgical, Endoscopic and Neuro-navigation Assisted Trans-Sphenoidal Resection of Pituitary Tumors: Our Experience, International Society of Pituitary Surgeons Conference, San Diego, CA, February, 2018

113 **Arnautovic, KI**. Cranio orbital pre-temporal trans-cavernous approaches to juxtasellar lesions, 29th Annual Skull Base Approaches: Microscopic and endoscopic, Al-Mefty Course, St. Louis, MO, April, 2018

114 **Arnautovic, KI**. Chari Malformation: Diagnosis, treatments and failures, Breakfast Seminar, AANS Meeting, New Orleans, LA, April, 2018

115 **Arnautovic, KI**. Microsurgical resection of pituitary tumors, 5th Annual Seminar “BHAAAS at SSST”, School of Medicine, SSST, Sarajevo, Bosnia-Herzegovina, June, 2018

116 **Arnautovic, KI**, Kovacevic, M, Combined Microsurgical, Endoscopic and Neuro-navigation resection of pituitary tumors, 10 Days of BHAAAS, Sarajevo, Bosnia-Herzegovina, June, 2018

117 Jankovic, D, Splavski, B, **Arnautovic, KI**. Hemangioblastomas of the posterior cranial fossa in adults – A systemic review, 10 Days of BHAAAS, Sarajevo, Bosnia-Herzegovina, June, 2018

118 **Arnautovic, KI**. Cranio-orbital pretemporal approach for sellar/juxtasellar lesions: Personal experience, CAANS Congress, Abuja, Nigeria, July 2018.

119 **Arnautovic, KI**. Circumferential decompression of Chiari I malformations in adults and experience on 130 cases, CAANS Congress, Abuja, Nigeria, July 2018.

120 **Arnautovic, KI**. Microsurgical treatment for large and giant tumors of the posterior cranial fossa, CAANS Congress, Abuja, Nigeria, July 2018.

121 **Arnautovic, KI.** Microsurgical treatment of parasagittal meningiomas, CAANS Congress, Abuja, Nigeria, July 2018.

122 **Arnautovic, KI.** Parasellar and Cavernous Sinus Tumors: Surgical Cases, Advanced Residents Course in Micro-Neurosurgery, Arkansas Neuroscience Institute, Little Rock, AR, August 2018

123 **Arnautovic, KI.** Microsurgery of spinal cord (intramedullary) tumors, Giants of Neurosurgery Symposium, Sarajevo, Bosnia-Herzegovina, September, 2018.

124 **Arnautovic, KI.** Retrospective single-surgeon study of 1,123 consecutive cases of anterior cervical discectomy and fusion: A comparison of clinical, outcome parameters and costs between outpatient and inpatient surgery groups with literature review, Spine Surgery in XXI Century, Nis, Serbia, October, 2018.

125 **Arnautovic, KI.** Cranio-Orbital Pretemporal Skull Base Approach to Sellar/Justasellar Lesions, WFNS International Meeting, Belgrade, Serbia, March, 2019.

126 **Arnautovic, KI.** Pretemporal Cranio-orbito-zygomatic Approach to Parasellar Lesions, The Evandro de Oliveira Symposium, AANS Annual Meeting, San Diego, California, April, 2019.

127 **Arnautovic, KI.** Intramedullary Spinal Cord Tumors, Breakfast Seminar, AANS Annual Meeting, San Diego, California, April, 2019.

128 **Arnautovic, KI.** Chiari Malformations: Diagnosis, Treatment and Failures, Breakfast Seminar, AANS Annual Meeting, San Diego, California, April, 2019.

129 **Arnautovic, KI**. Microsurgical Treatment of intramedullary spinal cord tumors, 33rd Annual Congress Hellenic Neurosurgical Society and 4th Congress SeENS South East Europe Neurosurgical Society, Thessaloniki, Greece, June 2019

130 **Arnautovic, KI**. From Fleeing the Bosnian War to Becoming a Professor of Neurosurgery: A Product of Little Rock, Grand Opening Symposium, Arkansas Neuroscience Institute, Research and Education Center, Little Rock, AR, June, 2019.

131 **Arnautovic, KI**. My Passion for Neurosurgery, My American Dream, My Home-Land Bosnia, 11th Days of BHAAAS, Sarajevo, Bosnia-Herzegovina, June 2019.

132 **Arnautovic, KI**, Algorithm in acute cranial trauma, 2nd SeENS International Neurosurgical Course, Zagreb, Croatia, August 2019.

133 **Arnautovic, KI**, Spinal infections, 2nd SeENS International Neurosurgical Course, Walking the Silk Road, Zagreb, Croatia, August 2019.

134. **Arnautovic, KI**, Horizon of Neurosurgery in Developing Countries, Sellar Tumors- Combined Microsurgical, endoscopic and neuronavigation assisted resection of pituitary tumors, WFNS, Beijing, China, September, 2019

135. **Arnautovic, KI**, Horizon of Neurosurgery in Developing Countries, International education in neurosurgery: what did I learn over the past 20 years, WFNS, Beijing, China, September, 2019.

136. **Arnautovic, KI**, Microsurgical resection of intramedullary spinal cord tumors, Congress of Brazilian Society of Neurosurgery, Rio de Janeiro, Brazil, September, 2019.

137. **Arnautovic, KI**, Microsurgical decompression of Chiari I malformation in adults: results of surgical treatment in 140 patients, Congress of Brazilian Society of Neurosurgery, Rio de Janeiro, Brazil, September, 2019.
138. **Arnautovic, KI**, Anterior microsurgical cervical discectomy and instrumented fusion: Retrospective single-surgeon study of 1,123 consecutive cases with comparison of clinic, radiologic, outcome parameters, and costs between outpatient and inpatient surgery groups, Congress of Brazilian Society of Neurosurgery, Rio de Janeiro, Brazil, September, 2019.
139. **Arnautovic, KI**, Pretemporal transcavernous skull base approach to circle of Willis aneurysms, 5th Annual Meeting of Serbian Neurosurgical Society, Kragujevac, Serbia, October, 2019.
140. **Arnautovic, KI**, Chiari I Malformation in Adults: Lessons Learned After Surgical Cases, 7th MASSIN Congress, Cartagena, Columbia, November, 2019.
141. **Arnautovic, KI**, Microsurgical resection of large and giant posterior fossa tumors, AANSIM, Mumbai, India, December, 2019
142. **Arnautovic, KI**, Microsurgical resection of intrinsic spinal cord tumors, AANSIM, Mumbai, India, December, 2019
143. **Arnautovic, KI**, Microsurgical resection of large craniocervical junction central dumbbell Schwannoma, AANSIM, Mumbai, India, December, 2019

144. **Arnautovic, KI**, Combined microsurgical, endoscopic assisted and neuronavigation approach for resection of pituitary tumors. Neuro-Oncological Aspects in Modern Neurosurgery of the 21st Century, Sarajevo, Bosnia-Herzegovina, January, 2020.
145. **Arnautovic, KI** Pretemporal COZ approach for microsurgical resection of sellar and juxtaseilar lesions. XXXII Prof. Dr. Nurhn Avman Conference, Department of Neurosurgery, Ankara University, Ankara, Turkey, February, 2020.
146. **Arnautovic, KI** Microsurgical treatment of intramedullary spinal cord tumors. XXXII Prof. Dr. Nurhn Avman Conference, Department of Neurosurgery, Ankara University, Ankara, Turkey, February, 2020.
147. **Arnautovic, KI** Anterior microsurgical cervical discectomy and instrumented fusion. XXXII Prof. Dr. Nurhn Avman Conference, Department of Neurosurgery, Ankara University, Ankara, Turkey, February, 2020
148. **Arnautovic, KI** Microsurgical treatment of adult Chiari I malformations – lesions learned after 130 cases. XXXII Prof. Dr. Nurhn Avman Conference, Department of Neurosurgery, Ankara University, Ankara, Turkey, February, 2020.
149. **Arnautovic, KI** My Homeland Bosnia, My American Dream, My Passion for Neurosurgery and Education: A reflection over the past 30 years. Global Neurosurgery: Ask Not for Whom the Bell Tolls, Virtual Event, September, 2020.
150. **Arnautovic, KI** Posterior Fossa Meningiomas, Meningioma Week, Brazilian Neurosurgical Society, Virtual Event, September, 2020.

POSTER PRESENTATIONS:

1. Pait TG, **Arnautovic KI**, Borba LA, McAllister P. Compound osteosynthesis in the thoracic spine for malignant tumor with a poor prognosis. Annual Meeting of the Joint Section on Disorders of the Spine and Peripheral Nerves and the AANS, Phoenix, Arizona, February, 1995.
2. Krisht AF, Canbaz B, **Arnautovic KI**, Yoo K, Al-Mefty O. Giant invasive pituitary adenomas. AANS Annual meeting, Orlando, Florida, April, 1995.
3. **Arnautovic KI**, Al-Mefty O, Agntuaco E., Sakuta O. The combined microsurgical and endovascular approach for the treatment of giant ophthalmic aneurysms. The International Workshop on Cerebrovascular Surgery, Chicago, Illinois, June, 1995.
4. **Arnautovic KI**, Borba LA, Pait TG, Al-Mefty O, Krisht AF, Yoo K. The vertebral artery: Microsurgical anatomy of the occipito/C1-C2 segment. The International Workshop on Cerebrovascular Surgery, Chicago, Illinois, June, 1995.
5. Borba LA, **Arnautovic KI**, Ture U, Pait TG, Al-Mefty O. The microsurgical anatomy of the transcondylar approach to vascular lesions of the lower clivus and the craniocervical junction. The International Workshop on Cerebrovascular Surgery, Chicago, Illinois, June, 1995.
6. **Arnautovic KI**, Krisht AF, Pait TG, Yoo K, Al-Mefty O. The microsurgical anatomy of the radial nerve: Its relationships, micro-vascularization, and fascicular arrangement. CNS Annual Meeting, San Francisco, California, October, 1995.

7. **Arnautovic KI**, Krisht FA, Pait TG, Yoo K, Al-Mefty O. The microsurgical anatomy of the ulnar nerve: An anatomical study. CNS Annual Meeting, San Francisco, California, October, 1995.
8. **Arnautovic KI**, Pait TG, Krisht AF, Husain M, Al-Mefty O. The axillary nerve: Microsurgical anatomy, internal and external vascularization and structure. Annual Meeting of the Joint Section on Disorders of the Spine and Peripheral Nerves of the AANS and CNS, Lake Buena Vista, Florida, February, 1996.
9. Ture U, **Arnautovic KI**, Pait TG. Microsurgical anatomy of the costo-transverso-vertebral complex of the thoracic spine. Annual Meeting of the Joint Section on Disorders of the Spine and Peripheral Nerves of the AANS and CNS. Lake Buena Vista, Florida, February, 1996.
10. Ture U, Pait TG, **Arnautovic KI**. History of spinal cord localization. Annual Meeting of the Joint Section on Disorders of the Spine and Peripheral Nerves of the AANS and CNS. Lake Buena Vista, Florida, February, 1996.
11. **Arnautovic KI**, Pait TG, Krisht AF, Yoo K, Al-Mefty O. The vertebral artery: Microsurgical anatomy of the third segment. AANS Annual Meeting, Minneapolis, Minnesota, April, 1996.
12. Pait TG, Laws ER, Borba LAB, **Arnautovic KI**, Krisht AF. Milestones in the medical and surgical history of the pituitary gland. AANS Annual Meeting, Minneapolis, Minnesota, April, 1996.
13. **Arnautovic KI**, Krisht AF, Pait TG, Husain M, Yoo K, Al-Mefty O. The brachial plexus: Microsurgical anatomy, vascularization, and internal fascicular organization. AANS Annual Meeting, Minneapolis, Minnesota, April, 1996.

14. **Arnautovic KI**, Krisht AF, Pait TG, Husain M, Yoo K, Al-Mefty O. The microsurgical anatomy of the musculocutaneous nerve. AANS Annual Meeting, Minneapolis, Minnesota, April, 1996.

15. **Arnautovic KI**, Pait TG, Krisht AF, Husain M, Yoo K, Al-Mefty O. The median nerve: Microsurgical anatomy, and the surgical importance of its external and internal vascular organization and fascicular arrangement. AANS Annual Meeting, Minneapolis, Minnesota, April, 1996.

16. Krisht AF, Yoo K, **Arnautovic KI**, Al-Mefty O. Dog cavernous sinus tumor model. AANS Annual Meeting, Minneapolis, Minnesota, April, 1996.

17. **Arnautovic KI**, Pait TG, Krisht AF, Husain M, Al-Mefty O. The sciatic nerve: Microsurgical anatomy, and the surgical importance of its internal and external vascularizations and fascicular arrangements. CNS Annual Meeting, Montreal, Canada, 1996.

18. **Arnautovic KI**, Krisht AF, Pait TG, Husain M, Al-Mefty O. The microsurgical anatomy, external and internal vascular organization, and fascicular arrangement of the tibial, peroneal and sural nerves. CNS Annual Meeting, Montreal, Canada, 1996.

19. **Arnautovic KI**, Al-Mefty O, Angtuaco E. Dural arteriovenous malformation acquired as a result of dominant venous sinus obstruction by a tumor: Report of two cases. AANS Annual Meeting. Denver, Colorado, 1997.

20. **Arnautovic KI**, Al-Mefty O, Krisht AF. The extended petrosal approach: Microsurgical anatomy and our clinical experience. AANS Annual Meeting, Denver, Colorado, 1997.

21. Malik JM, **Arnautovic KI**, Rahman S. The transsternal approach to the cervicothoracic spinal junction. AANS Annual Meeting, Denver, Colorado, 1997.

22. **Arnautovic KI**, Al-Mefty O, Pait TG, Krisht AF, Husain M. The suboccipital cavernous sinus. WFNS Congress, Amsterdam, Netherlands, 1997.

23. Krisht AF, Boop F, **Arnautovic KI**. The benefit of extracranial-intracranial bypass in patients with severe cerebrovascular occlusive disease and hemodynamic-related ischemia. Joint Section on Cerebrovascular Surgery Annual Meeting, Lake Buena Vista, Florida, 1998.

24. Pait TG, Laws ER, **Arnautovic KI**, Krisht AF. Pituitary surgery: The high road versus the low road. AANS Annual Meeting, New Orleans, Louisiana, 1999.

25. Pait TG, Caglar YS, Al-Mefty O, Ozgen S, **Arnautovic KI**, Burson TG. Applied anatomy of C2 for internal fixation options. CNS Annual Meeting, Boston, Massachusetts, 1999.

26. **Arnautovic KI**, Linskey ME. Cranial nerve root entry zone primary cerebellopontine angle gliomas. Annual Meeting of the Society for Neuro-Oncology, Scottsdale, Arizona, 1999.

27. **Arnautovic, KI**, Muzevic, D; Spavski B; Boop, F. Association of Increased Body Mass Index with Adult Chiari I Malformation and Syrinx Formation. CNS Annual Meeting, San Francisco, CA, 2013.

28. Omerhodzic, I, Ahmetspahic, A, Zahirovic, S, Rotim, K, **Arnautovic, KI**. Decompressive Craniectomy vs Hinge Craniotomy in patients with severe traumatic brain injury – A prospective study. The 11th Symposium of The International Neurotrauma Society, Budapest, Hungary, 2014.

29. Lakicevic, G, **Arnautovic KI**. Cerebellar Glioblastoma Multiforme Presenting as Hypertensive Cerebellar Hemorrhage: Case Report. 7th Congress of the Croatian Neurosurgical Society, Zabreb, Croatia, 2014.

30. N. Khan, G, Lakicevic, T. Callihan, G. Burruss, **Arnautovic KI**. Diffuse Large B-Cell Lymphoma of the Frontal Sinus Presenting as a Pott Puffy Tumor: Case Report, North American Skull Base, February, Tampa, FL., 2015.

31. **Arnautovic, KI**. Chiari Malformation Operative Treatment and Outcome, 83rd AANS Annual Scientific Meeting, Washington, D.C., May 2015.

32. Alabaster, KL, Bugg, MF, Splavski, B, Boop, FA, **Arnautovic, KI**. The Suboccipital Ligament, American Association of Neurological Surgeons, Los Angeles, CA, April 2017.

33. Kovacevic, M, **Arnautovic, KI**. Prevention of CSF related Complications after Intradural Spinal Tumor Surgery by an Autologous Fat Graft, EANS , Venice, Italy, October 2017.

34. Basma, J, Gulie, N, Saad H, Sorenson J, Michael M, **Arnautovic, KI**. Evolution of the Cerebrum: Insights from Topological Phylogenetic on Microsurgical Anatomy, Pathology and Approaches to the Limbic and Paralimbic region. AANS, New Orleans, April, 2018.

35. Eisenberg, L, Eisenberg, A, **Arnautovic, KA**, Effect of Scan Tyoe, Timespan, and BMI on Chiari I Malformation Tonsil Ectopia Length. AANS, Boston, 2020

XVI. INVITED LECTURES AND VISITING PROFESSORSHIP

1. **Arnautovic KI**. Department of Neurosurgery, Catholic University Sacre Cuore, Rome, Italy, June, 1999.
2. **Arnautovic KI**. Department of Neurosurgery, University of Arkansas for Medical Sciences, Little Rock, Arkansas, November, 2003.
3. **Arnautovic KI**. Department of Neurosurgery, University Clinical Center, Sarajevo, Sarajevo, Bosnia-Herzegovina, December, 2003.
4. **Arnautovic KI**. Department of Neurosurgery, University Clinical Center, Sarajevo, Sarajevo, Bosnia-Herzegovina, September, 2006.
5. **Arnautovic KI**. Department of Neurosurgery, University Clinical Center, Sarajevo, Sarajevo, Bosnia-Herzegovina, September, 2007.
6. **Arnautovic KI**, Bosnian-American Medical Association of Chicago, Chicago, IL, May, 2008.
7. **Arnautovic KI**, Department of Orthopedic Surgery, Northwestern University, Evanston, IL, May, 2008
8. **Arnautovic KI**, Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, February, 2009.

9. **Arnautovic KI**. Department of Orthopedic Surgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, March 2010.

10. **Arnautovic KI**. Department of Orthopedics, University Clinical Center, Sarajevo, Bosnia-Herzegovina, June 2010

11. **Arnautovic, KI**. Department of Neurosurgery, Yedittepe University, Istanbul, Turkey, July 2010.

12. **Arnautovic KI**. Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, October 2010.

13. **Arnautovic KI**. Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, June 2011.

14. **Arnautovic KI**, Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, June 2012.

15. **Arnautovic KI**. Department of Neurosurgery, Brigham and Women's Hospital, Harvard University, Boston, MA, October 2012.

16. **Arnautovic KI**, Days of Academy of Medical Sciences of Bosnia-Herzegovina, Sarajevo, Bosnia-Herzegovina, June 2013.

17. **Arnautovic KI**. Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, November 2013.

18. **Arnautovic KI.** Department of Neurosurgery, University Clinical Center, Osijek, Croatia, November 2013.
19. **Arnautovic KI.** Department of Neurosurgery, University Clinical Center, Sarajevo, Bosnia-Herzegovina, May 2014.
20. **Arnautovic KI.** Arkansas Neuroscience Institute, Little Rock, AR, August 2014.
21. **Arnautovic KI.** Arkansas Neuroscience Institute, Little Rock, AR, November 2014.
22. **Arnautovic KI.** Sarajevo Medical School at Sarajevo School of Science and Technology, Sarajevo, Bosnia-Herzegovina, November 2014.
23. **Arnautovic KI.** Department of Neurosurgery, School of Medicine Osijek University, Osijek, Croatia, November 2014.
24. **Arnautovic KI.** Sarajevo Medical School at Sarajevo School of Science and Technology, Sarajevo, Bosnia-Herzegovina, April, 2015.
25. **Arnautovic KI.** Sarajevo Medical School at Sarajevo School of Science and Technology, Sarajevo, Bosnia-Herzegovina, May, 2016.
26. **Arnautovic KI.** Department of Neurosurgery, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, September, 2016.
27. **Arnautovic KI.** Arkansas Neuroscience Institute, Little Rock, AR, February, 2017.

28. **Arnautovic KI.** Sarajevo Medical School at Sarajevo School of Science and Technology, Sarajevo, Bosnia-Herzegovina, May, 2017.

29. **Arnautovic KI.** Sarajevo Medical School at University of Sarajevo, Sarajevo, Bosnia-Herzegovina, May, 2017.

30. **Arnautovic KI.** Arkansas Neuroscience Institute, Little Rock, AR, October, 2017.

31. **Arnautovic KI.** Department of Neurosurgery, University Hospital, Tirana, Albania, November, 2017.

32. **Arnautovic, KI.** XXXII Nurhan Avman Conference, Department of Neurosurgery, Ankara, Turkey, 2020.

XVII. NEUROSURGICAL AREAS OF PARTICULAR INTEREST

Micro-neurosurgery (Skull Base; Vascular; Tumor; Peripheral Nerves)

Complex Spinal Surgery Instrumentation

Microsurgical Anatomy

Neuro-navigation

XVIII. PERSONAL AND HOBBIES

Sports: Basketball; Soccer; Snow-Skiing;

Reading: World History

Languages: English, Bosnian; German; Latin.

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