

Dale Ding, M.D.

Assistant Professor of Neurosurgery
Department of Neurological Surgery
University of Louisville School of Medicine
220 Abraham Flexner Way, 15th Floor
Louisville, KY 40202

Academic Appointments

- 2018-present Assistant Professor of Neurosurgery
Department of Neurological Surgery
University of Louisville School of Medicine
Louisville, Kentucky
- 2018-present Director of the Cerebrovascular and Endovascular Laboratory in Louisville (CELL)
Department of Neurological Surgery
University of Louisville School of Medicine
Louisville, Kentucky
- 2018-present Local Site Director for Baptist Health Hospital
Neurological Surgery Residency Program
University of Louisville School of Medicine
Louisville, Kentucky

Licensure and Certification

- 2017-present Kentucky Board of Medical Licensure (License: 50866, Expiration: 2/29/2020)
- 03/2013 ABNS Primary Examination
- 08/2010 USMLE Step 3
- 12/2009 USMLE Step 2 CS
- 12/2009 USMLE Step 2 CK
- 01/2009 USMLE Step 1

Training

- 2017-2018 Fellowship in Endovascular Surgical Neuroradiology (ACGME and CAST accredited)
Department of Neurological Surgery
Barrow Neurological Institute
Phoenix, Arizona
- 2015-2016 Fellowship in Cerebrovascular and Skull Base Surgery
Department of Neurosurgery
Auckland City Hospital
Auckland, New Zealand
- 2014-2015 Research Fellowship in Cerebrovascular Disease
Departments of Neurosurgery, Radiology and Medical Imaging, and Neurology
University of Virginia
Charlottesville, Virginia
- 2013-2014 Research Fellowship in Vascular Biology
Robert M. Berne Cardiovascular Research Center
University of Virginia
Charlottesville, Virginia
- 2010-2017 Residency in Neurological Surgery
Department of Neurosurgery

University of Virginia
Charlottesville, Virginia

Education

- 2006-2010 M.D.
Duke University School of Medicine
- 2008-2009 Clinical Research Training Program (CRTP)
Duke University School of Medicine
- 2004-2006 B.S. in Biomedical Engineering, *magna cum laude*
Washington University in St. Louis

Grants

(None Listed)

Clinical Trials

1. MIND: Artemis in the Removal of Intracerebral Hemorrhage (NCT03342664)
Sponsor: Penumbra, Inc.
Role: Site Co-Investigator
Status: *Actively enrolling*

Awards and Honors

- 2018 Leksell Radiosurgery Award
American Association of Neurological Surgeons
- 2017 First Place Cerebrovascular Eposter Award
American Association of Neurological Surgeons
- 2015 Crutchfield, Gage and Thomson Award
The Neurosurgical Society of the Virginias
- 2014 SANS Challenge Finalist
Congress of Neurological Surgeons
- 2014 Elekta Travel Award
Leksell Gamma Knife Society
- 2008-2009 Clinical and Translational Science Award
Duke University, NCRN/NIH grant TL1RR024126
- 2008 Medical Student Summer Research Fellowship
American Association of Neurological Surgeons
- 2004-2006 Dean's Honorary Scholarship
Washington University in St. Louis, School of Engineering
- 2004-2006 National Merit Finalist Scholarship

Citation Metrics

Citations: 4,040 (*Google Scholar, accessed June 25, 2019*)
h-index: 37 (*Google Scholar, accessed June 25, 2019*)

Publications

1. Khattar NK, Sumardi F, Zemmar A, Liang Q, Li H, Xing Y, Andrade-Barazarte H, Fleming JL, Cherian I, Hernesniemi J, Neimat JS, James RF, Munakomi S, **Ding D**. Cerebral Venous Thrombosis at High Altitude: A Retrospective Cohort of Twenty-one Consecutive Patients. *Cureus*. Accepted for publication 2019 Jun 19. *In press*.

2. Baranoski JF, Ducruet AF, Przybylowski C, Almefty R, **Ding D**, Catapano JS, Brigeman S, Fredrickson V, Cavalcanti D, Albuquerque FC. Flow Diverters as a Scaffold for Treating Direct Carotid-Cavernous Fistulas. *J Neurointerv Surg*. Accepted for publication 2019 May 30. *In press*.
3. Taylor DG, Janssen A, **Ding D**, Xu Z, Mehta GU, Liscak R, Kano H, Kosak M, Martinez-Moreno N, Hobbs L, Chen CJ, Grills IS, Mathieu D, Lunsford LD, Vance ML, Sheehan JP. Whole Sella versus Targeted Stereotactic Radiosurgery for Acromegaly: A Multicenter Matched Cohort Study. *Neurosurgery*. Accepted for publication 2019 May 7. *In press*.
4. Cordeiro D, Xu Z, Mehta GU, **Ding D**, Vance ML, Kano H, Sisterson N, Yang HC, Kondziolka D, Lunsford LD, Mathieu D, Barnett GH, Chiang V, Lee J, Sneed P, Su YH, Lee CC, Krsek M, Liscak R, Nabeel AM, El-Shehaby A, Karim KA, Reda WA, Martinez-Moreno N, Martinez-Alvarez R, Blas K, Grills I, Lee K, Kosak M, Cifarelli CP, Katsevman GA, Sheehan JP. Hypopituitarism after Gamma Knife Radiosurgery for Pituitary Adenomas: A Multicenter, International Study. *J Neurosurg*. Accepted for publication 2018 May 16. *In press*.
5. Pomeraniec IJ, **Ding D**, Ksendzovsky A, Liu KC. Microvascular Decompression of the Posterior Cerebral Artery for Treatment of Oculomotor Nerve Palsy. *J Cerebrovasc Endovasc Neurosurg*. Accepted for publication 2016 Jun 14. *In press*.
6. Ilyas A, Chen CJ, Ironside N, Buell TJ, Chagoya G, Schmalz PG, Stetler WR, Andaluz N, James RF, **Ding D**. Medical Management versus Surgical Bypass for Symptomatic Intracranial Atherosclerotic Disease: A Systematic Review. *World Neurosurg*. 2019 May 31. doi: 10.1016/j.wneu.2019.05.223. [Epub ahead of print]. [PMID: 31158534](#).
7. Chen CJ, **Ding D**, Ironside N, Buell TJ, Southerland AM, Testai FD, Woo D, Worrall BB; ERICH Investigators. Intracranial Pressure Monitoring in Patients with Spontaneous Intracerebral Hemorrhage. *J Neurosurg*. 2019 May 31. doi: 10.3171/2019.3.JNS19545. [Epub ahead of print]. [PMID: 31151113](#).
8. **Ding D**, Ilyas A, Sheehan JP. Contemporary Management of High-Grade Brain Arteriovenous Malformations. *Neurosurgery*. 2018 Sep 1; 65 (CN_suppl_1): 24-33. doi: 10.1093/neuros/nyy107. [PMID: 31076783](#).
9. Ironside N, Chen CJ, **Ding D**, Mayer SA, Connolly ES Jr. Perihematomal Edema After Spontaneous Intracerebral Hemorrhage. *Stroke*. 2019 Jun; 50(6): 1626-1633. doi: 10.1161/STROKEAHA.119.024965. Epub 2019 May 2. [PMID: 31043154](#).
10. **Ding D**, Chen CJ, Starke RM, Kano H, Lee JYK, Mathieu D, Feliciano C, Rodriguez-Mercado R, Almodovar L, Grills IS, Kondziolka D, Barnett GH, Lunsford LD, Sheehan JP. Risk of Brain Arteriovenous Malformation Hemorrhage Before and After Stereotactic Radiosurgery. *Stroke*. 2019 Jun; 50(6): 1384-1391. doi: 10.1161/STROKEAHA.118.024230. Epub 2019 May 2. [PMID: 31043153](#).
11. Khattar NK, Fortuny E, Wessel AP, John K, Bak E, Adams SW, Meyer KS, Schirmer CM, Simard JM, Neimat JS, **Ding D**, James RF. Minimally Invasive Surgery for Spontaneous Cerebellar Hemorrhage: A Multicenter Study. *World Neurosurg*. 2019 Apr 28. doi: 10.1016/j.wneu.2019.04.164. [Epub ahead of print]. [PMID: 31042595](#).
12. Mohammed N, **Ding D**, Hung YC, Xu Z, Lee CC, Kano H, Martinez-Alvarez R, Martinez-Moreno N, Mathieu D, Kosak M, Cifarelli CP, Katsevman GA, Lunsford LD, Lee Vance M, Sheehan JP. Primary versus Postoperative Stereotactic Radiosurgery for Acromegaly: A Multicenter Matched Cohort Study. *J Neurosurg*. 2019 Apr 26. doi: 10.3171/2019.1.JNS183398. [Epub ahead of print]. [PMID: 31026829](#).
13. Buell TJ, Raper DMS, **Ding D**, Chen CJ, Wang TR, Taylor DG, Ilyas A, Kalani MYS, Park MS, Mahaney KB, Liu KC. Concurrent Venous Stenting of the Transverse and Occipito-Marginal Sinuses: An Analogy with Parallel Hemodynamic Circuits. *J Neurosci Rural Pract*. 2019 Apr-Jun; 10(2): 334-338. doi: 10.4103/jnrp.jnrp_259_18. [PMID: 31001030](#).
14. Chen CJ, Buell TJ, Raper DMS, Park MS, Kalani MY, Ironside N, James RF, **Ding D**. Letter to the Editor. New Biomarkers for the Management of Aneurysmal Subarachnoid Hemorrhage. *J Neurosurg*. 2019 Mar 22. doi: 10.3171/2018.10.JNS183011. [Epub ahead of print]. [PMID: 30901745](#).
15. Chen CJ, Shabo LM, **Ding D**, Ironside N, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Grills IS, Barnett G, Lunsford LD, Sheehan JP. Seizure Presentation in Patients with Brain Arteriovenous Malformations Treated with Stereotactic Radiosurgery: A Multicenter Study. *World Neurosurg*. 2019 Mar 1. doi: 10.1016/j.wneu.2019.02.104. [Epub ahead of print]. [PMID: 30831294](#).
16. Chen CJ, **Ding D**, Ironside N, Buell TJ, Southerland AM, Woo D, Worrall BB; ERICH Investigators. Predictors of Surgical Intervention in Patients with Spontaneous Intracerebral Hemorrhage. *World Neurosurg*. 2019 Mar; 123: e700-e708. doi: 10.1016/j.wneu.2018.11.260. Epub 2019 Feb 8. [PMID: 30743036](#).
17. Ironside N, Buell TJ, Chen CJ, Kumar JS, Paisan GM, Sokolowski JD, Liu KC, **Ding D**. High-Grade Aneurysmal Subarachnoid Hemorrhage: Predictors of Functional Outcome. *World Neurosurg*. 2019 Feb 5. doi: 10.1016/j.wneu.2019.01.162. [Epub ahead of print]. [PMID: 30735864](#).
18. Chen CJ, **Ding D**, Ironside N, Buell TJ, Southerland AM, Koch S, Flaherty M, Woo D, Worrall BB; ERICH Investigators. Cigarette Smoking History and Functional Outcomes after Spontaneous Intracerebral Hemorrhage. *Stroke*. 2019 Mar; 50(3): 588-594. doi: 10.1161/STROKEAHA.118.023580. [Epub ahead of print]. [PMID: 30732556](#).

19. Sharma M, Ugiliweneza B, Fortuny EM, Khattar NK, Andaluz N, James RF, Williams BJ, Boakye M, **Ding D**. National Trends in Cerebral Bypass for Unruptured Intracranial Aneurysms: A National (Nationwide) Inpatient Sample Analysis of 1998-2015. *Neurosurg Focus*. 2019 Feb 1; 46(2): E15. doi: 10.3171/2018.11.FOCUS18504. [PMID: 30717045](#).
20. Chen CJ, Kearns KN, **Ding D**, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Grills IS, Barnett GH, Lunsford LD, Sheehan JP. Stereotactic Radiosurgery for Arteriovenous Malformations of the Basal Ganglia and Thalamus: An International Multicenter Study. *J Neurosurg*. 2019 Jan 11. doi: 10.3171/2018.8.JNS182106. [Epub ahead of print]. [PMID: 30641831](#).
21. Sheehan JP, Mehta GU, **Ding D**, Trifiletti DM. Letter to the Editor. Upfront GKS for Cushing's disease and acromegaly: is it suitable? Response. *J Neurosurg*. 2018 Oct 1. doi: 10.3171/2018.9.JNS182580. [Epub ahead of print]. [PMID: 30485181](#).
22. Sokolowski JD, Ilyas A, Buell TJ, Taylor DG, Chen CJ, **Ding D**, Raper DMS, Liu KC. SMART Coils for Intracranial Aneurysm Embolization: Follow-up Outcomes. *J Clin Neurosci*. 2019 Jan; 59: 93-97. doi: 10.1016/j.jocn.2018.10.132. Epub 2018 Nov 7. [PMID: 30414808](#).
23. Ilyas A, Przybylowski C, Chen CJ, **Ding D**, Foreman PM, Buell TJ, Taylor DG, Kalani MY, Park MS. Preoperative Embolization of Skull Base Meningiomas: A Systematic Review. *J Clin Neurosci*. 2019 Jan; 59: 259-264. doi: 10.1016/j.jocn.2018.06.022. Epub 2018 Sep 29. [PMID:30279120](#).
24. Ilyas A, Chen CJ, **Ding D**, Taylor DG, Moosa S, Lee CC, Cohen-Inbar O, Sheehan JP. Letter to the Editor. Dose-Fractionated Gamma Knife Radiosurgery for Large-Volume Arteriovenous Malformations. Response. *J Neurosurg*. 2018 Dec 1; 129(6): 1661-1662. doi: 10.3171/2018.8.JNS182069. [PMID: 30265196](#).
25. Watson E, **Ding D**, Khattar NK, Everhart DE, James RF. Neurocognitive Outcomes after Aneurysmal Subarachnoid Hemorrhage: Identifying Inflammatory Biomarkers. *J Neurol Sci*. 2018 Nov 15; 394: 84-93. doi: 10.1016/j.jns.2018.06.021. Epub 2018 Jun 25. [PMID: 30240942](#).
26. Ironside N, Chen CJ, **Ding D**, Ilyas A, Kumar JS, Buell TJ, Taylor D, Lee CC, Sheehan JP. Seizure Outcomes Following Radiosurgery for Cerebral Arteriovenous Malformations: An Updated Systematic Review and Meta-Analysis. *World Neurosurg*. 2018 Dec; 120: 550-562.e3. doi: 10.1016/j.wneu.2018.08.121. Epub 2018 Aug 24. [PMID: 30149174](#).
27. Chen CJ, Chuang TY, Hansen L, Dutta S, **Ding D**, Buell TJ, Ironside N, Patibandla MR, Southerland AM, Worrall BB, Kalani MYS. Predictors of 30-Day Mortality after Endovascular Mechanical Thrombectomy for Acute Ischemic Stroke. *J Clin Neurosci*. 2018 Nov; 57: 38-42. doi: 10.1016/j.jocn.2018.08.044. Epub 2018 Aug 23. [PMID: 30145087](#).
28. Chen CJ, **Ding D**, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Sheehan DE, Grills IS, Barnett G, Lunsford LD, Sheehan JP. Effect of Advanced Age on Stereotactic Radiosurgery Outcomes for Brain Arteriovenous Malformations: A Multicenter Matched Cohort Study. *World Neurosurg*. 2018 Nov; 119: e429-e440. doi: 10.1016/j.wneu.2018.07.178. Epub 2018 Jul 30. [PMID: 30071340](#).
29. **Ding D**, Sekar P, Moomaw CJ, Comeau ME, James ML, Testai F, Flaherty ML, Vashkevich A, Worrall BB, Woo D, Osborne J. Venous Thromboembolism in Patients with Spontaneous Intracerebral Hemorrhage: A Multicenter Study. *Neurosurgery*. 2018 Jul 13. doi: 10.1093/neuros/nyy333. [Epub ahead of print]. [PMID: 30011018](#).
30. Chen CJ, **Ding D**, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Grills IS, Barnett G, Lunsford LD, Sheehan JP; International Gamma Knife Research Foundation. Stereotactic Radiosurgery for Pediatric Versus Adult Brain Arteriovenous Malformations: A Multicenter Study. *Stroke*. 2018 Aug; 49(8): 1939-1945. doi: 10.1161/STROKEAHA.118.022052. [PMID: 30002149](#).
31. Chen CJ, Norat P, **Ding D**, Mendes GAC, Tvrdik P, Park MS, Kalani MY. Transvenous Embolization of Brain Arteriovenous Malformations: A Review of Techniques, Indications and Outcomes. *Neurosurg Focus*. 2018 Jul; 45(1): E13. doi: 10.3171/2018.3.FOCUS18113. [PMID: 29961383](#).
32. Ilyas A, Chen CJ, **Ding D**, Foreman PM, Buell TJ, Ironside N, Taylor DG, Kalani MY, Park MS, Southerland AM, Worrall BB. In Reply to the Letter to the Editor Regarding "Endovascular Mechanical Thrombectomy for Acute Ischemic Stroke Under General Anesthesia Versus Conscious Sedation: A Systematic Review and Meta-Analysis". *World Neurosurg*. 2018 Jul; 115: 489. doi: 10.1016/j.wneu.2018.04.111. [PMID: 29958380](#).
33. Paisan GM, **Ding D**, Xu Z, Liu KC. Effect of Dual Antiplatelet Therapy on Shunt Outcomes in Patients with Aneurysmal Subarachnoid Hemorrhage: A Matched Cohort Pilot Study. *Cureus*. 2018 Mar 28; 10(3): e2383. doi: 10.7759/cureus.2383. [PMID: 29850378](#).
34. Chen CJ, **Ding D**, Buell TJ, Testai FD, Koch S, Woo D, Worrall BB; ERICH Investigators. Restarting Antiplatelet Therapy after Spontaneous Intracerebral Hemorrhage: Functional Outcomes. *Neurology*. 2018 Jul 3; 91(1): e26-e36. doi: 10.1212/WNL.0000000000005742. Epub 2018 May 30. [PMID: 29848784](#).
35. **Ding D**, Buell TJ, Raper DM, Chen CJ, Mastorakos P, Liu KC, Vollmer DG. Sylvian Arteriovenous Malformation Resection and Associated Middle Cerebral Artery Aneurysm Clipping: Technical Nuances of Concurrent Surgical Treatment. *Cureus*. 2018 Feb 7; 10(2): e2166. doi: 10.7759/cureus.2166. [PMID 29805922](#).

36. Chen CJ, Buell TJ, Diamond J, **Ding D**, Kumar JS, Taylor DG, Lee CC, Sheehan JP. Stereotactic Radiosurgery for High-Grade Intracranial Dural Arteriovenous Fistulas. *World Neurosurg.* 2018 Aug; 116: e640-e648. doi: 10.1016/j.wneu.2018.05.062. Epub 2018 May 17. [PMID: 29777886](#).
37. Chen CJ, **Ding D**, Wang TR, Buell TJ, Ilyas A, Ironside N, Lee CC, Kalani MY, Park MS, Liu KC, Sheehan JP. Microsurgery Versus Stereotactic Radiosurgery for Brain Arteriovenous Malformations: A Matched Cohort Study. *Neurosurgery.* 2018 May 12. *In press.* doi: 10.1093/neuros/nyy174. [Epub ahead of print]. [PMID: 29762746](#).
38. **Ding D**, Mehta GU, Patibandla MR, Lee CC, Liscak R, Kano H, Pai FY, Kosak M, Sisterson ND, Martinez-Alvarez R, Martinez-Moreno N, Mathieu D, Grills IS, Blas K, Lee K, Cifarelli CP, Katsevman GA, Lee JYK, McShane B, Kondziolka D, Lunsford LD, Vance ML, Sheehan JP. Stereotactic Radiosurgery for Acromegaly: An International Multicenter Retrospective Cohort Study. *Neurosurgery.* 2018 May 10. doi: 10.1093/neuros/nyy178. [Epub ahead of print]. [PMID: 29757421](#).
39. Przybylowski CJ, Baranoski JF, See AP, Flores BC, Almefty RO, **Ding D**, Chapple KM, Sanai N, Ducruet AF, Albuquerque FC. Preoperative Embolization of Skull Base Meningiomas: Outcomes in the Onyx Era. *World Neurosurg.* 2018 Aug; 116: e371-e379. doi: 10.1016/j.wneu.2018.04.208. Epub 2018 May 8. [PMID: 29751190](#).
40. Ilyas A, Chen CJ, **Ding D**, Taylor DG, Moosa S, Lee CC, Cohen-Inbar O, Sheehan JP. Letter to the Editor. Volume-Staged vs Dose-Staged SRS for Large Brain AVMs. Response. *J Neurosurg.* 2018 May 4. doi: 10.3171/2017.11.JNS172921. [Epub ahead of print]. [PMID: 29726773](#).
41. Moosa S, **Ding D**, Mastorakos P, Sheehan JP, Liu KC, Starke RM. Endoport-Assisted Surgical Evacuation of a Deep-Seated Cerebral Abscess. *J Clin Neurosci.* 2018 Jul; 53: 269-272. doi: 10.1016/j.jocn.2018.04.028. Epub 2018 Apr 30. [PMID: 29716807](#).
42. Buell TJ, Raper DMS, Pomeraniec IJ, Chen CJ, Taylor DG, **Ding D**, Liu KC. Letter to the Editor. The Causative Role of Sinus Stenosis in Idiopathic Intracranial Hypertension. Response. *J Neurosurg.* 2018 Apr 27. doi: 10.3171/2017.10.JNS172438. [Epub ahead of print]. [PMID: 29701549](#).
43. Zammar SG, Buell TJ, Chen CJ, Crowley RW, **Ding D**, Griessenauer CJ, Hoh BL, Liu KC, Ogilvy CS, Raper DM, Singla A, Thomas AJ, Cockroft KM, Simon SD. Outcomes After Off-Label Use of the Pipeline Embolization Device for Intracranial Aneurysms: A Multicenter Cohort Study. *World Neurosurg.* 2018 Jul; 115: e200-e205. doi: 10.1016/j.wneu.2018.04.012. Epub 2018 Apr 19. [PMID: 29679782](#).
44. Ilyas A, Chen CJ, **Ding D**, Mastorakos P, Taylor DG, Pomeraniec J, Lee CC, Sheehan JP. Letter to the Editor. Cyst Formation after Stereotactic Radiosurgery for Brain AVMs. Response. *J Neurosurg.* 2018 Apr 20. doi: 10.3171/2017.11.JNS172776. [Epub ahead of print]. [PMID: 29676692](#).
45. Buell TJ, Raper DM, **Ding D**, Chen CJ, Liu KC. Development of an Intracranial Dural Arteriovenous Fistula after Venous Sinus Stenting for Idiopathic Intracranial Hypertension. *J Neurointerv Surg.* 2018 Mar 21. doi: 10.1136/neurintsurg-2017-013282.rep. [Epub ahead of print]. [PMID: 29563208](#). Republished in: *BMJ Case Rep.* 2017 Sep 26; 2017. doi: 10.1136/bcr-2017-013282. [PMID: 28951386](#).
46. Mehta GU, **Ding D**, Gupta A, Kano H, Sisterson ND, Martinez-Moreno N, Krsek M, Yang HC, Lee CC, Liscak R, Martinez-Alvarez R, Lunsford LD, Vance ML, Sheehan JP. Repeat Stereotactic Radiosurgery for Cushing's Disease: Outcomes of an International, Multicenter Study. *J Neurooncol.* 2018 Mar 3. doi: 10.1007/s11060-018-2817-5. [Epub ahead of print]. [PMID: 29500664](#).
47. Chen CJ, Kumar JS, Chen SH, **Ding D**, Buell TJ, Sur S, Ironside N, Luther E, Ragosta M 3rd, Park MS, Kalani MY, Liu KC, Starke RM. Optical Coherence Tomography: Future Applications in Cerebrovascular Imaging. *Stroke.* 2018 Apr; 49(4): 1044-1050. doi: 10.1161/STROKEAHA.117.019818. Epub 2018 Feb 28. [PMID: 29491139](#).
48. Patibandla MR, **Ding D**, Kano H, Starke RM, Lee JYK, Mathieu D, Whitesell J, Pierce JT, Huang PP, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Almodovar L, Grills IS, Silva D, Abbassy M, Missios S, Barnett GH, Lunsford LD, Sheehan JP. Effect of Treatment Period on Outcomes after Stereotactic Radiosurgery for Brain Arteriovenous Malformations: An International Multicenter Study. *J Neurosurg.* 2018 Feb 2. doi: 10.3171/2017.8.JNS171336. [Epub ahead of print]. [PMID: 29393755](#).
49. Ilyas A, Chen CJ, **Ding D**, Romeo A, Buell TJ, Wang TR, Kalani MYS, Park MS. Magnetic Resonance-Guided, High-Intensity Focused Ultrasound Sonolysis: Potential Applications for Stroke. *Neurosurg Focus.* 2018 Feb; 44(2): E12. doi: 10.3171/2017.11.FOCUS17608. [PMID: 29385918](#).
50. Ilyas A, Chen CJ, **Ding D**, Foreman PM, Buell TJ, Ironside N, Taylor DG, Kalani MY, Park MS, Southerland AM, Worrall BB. Endovascular Mechanical Thrombectomy for Acute Ischemic Stroke Under General Anesthesia Versus Conscious Sedation: A Systematic Review and Meta-Analysis. *World Neurosurg.* 2018 Apr; 112: e355-e367. doi: 10.1016/j.wneu.2018.01.049. Epub 2018 Jan 31. [PMID: 29355808](#).
51. Starke RM, Thompson JW, Ali MS, Pascale CL, Martinez Lege A, **Ding D**, Chalouhi N, Hasan DM, Jabbour P, Owens GK, Toborek M, Hare JH, Dumont AS. Cigarette Smoke Initiates Oxidative Stress-Induced Cellular Phenotypic Modulation

- Leading to Cerebral Aneurysm Pathogenesis. *Arterioscler Thromb Vasc Biol.* 2018 Mar; 38(3): 610-621. doi: 10.1161/ATVBAHA.117.310478. Epub 2018 Jan 18. [PMID: 29348119.](#)
52. Ilyas A, Chen CJ, **Ding D**, Buell TJ, Lee CC, Sheehan JP. In Reply: Radiation-Induced Changes After Stereotactic Radiosurgery for Brain Arteriovenous Malformations. *Neurosurgery.* 2018 Mar 1; 82(3): E77-E78. doi: 10.1093/neuros/nyx599. [PMID: 29294125.](#)
53. Ilyas A, Buell TJ, Chen CJ, **Ding D**, Raper DMS, Taylor DG, Sokolowski JD, Liu KC. SMART Coils for Intracranial Aneurysm Embolization: Initial Outcomes. *Clin Neurol Neurosurg.* 2018 Jan; 164: 87-91. doi: 10.1016/j.clineuro.2017.11.020. Epub 2017 Dec 2. [PMID: 29216501.](#)
54. **Ding D**. International Neurosurgery Rotation in New Zealand: Analysis of Operative Experience. *J Neurosci Rural Pract.* 2017 Oct-Dec; 8(4): 689-691. doi: 10.4103/jnpr.jnpr_387_17. [PMID: 29204046.](#)
55. Buell TJ, Starke RM, **Ding D**, Hixson HR, Raper DMS, Chen CJ, Liu KC. Venous Sinus Stenting using Transcranial Access for the Treatment of Idiopathic Intracranial Hypertension in a Pediatric Patient. *J Neurosci Rural Pract.* 2017 Oct-Dec; 8(4): 672-675. doi: 10.4103/jnpr.jnpr_135_17. [PMID: 29204038.](#)
56. **Ding D**, Buell TJ, Chen CJ, Raper DM, Liu KC, Vollmer DG. Staged Multimodality Treatment of a Large Ruptured Fusiform Supraclinoid Internal Carotid Artery Aneurysm: Microsurgical Clip-Assisted Endovascular Coiling. *J Neurosci Rural Pract.* 2017 Oct-Dec; 8(4): 668-671. doi: 10.4103/jnpr.jnpr_293_17. [PMID: 29204037.](#)
57. **Ding D**, Starke RM, Hope A, Brew S. Flow-Diverting Stent-Assisted Coil Embolization of a Ruptured Internal Carotid Artery Blister Aneurysm with the Pipeline Flex Embolization Device. *J Neurosci Rural Pract.* 2017 Oct-Dec; 8(4): 664-667. doi: 10.4103/jnpr.jnpr_336_17. [PMID: 29204036.](#)
58. Pomeranec IJ, **Ding D**, Starke RM, Liu KC, Mrachek EK, Lopes MB, Sheehan JP. Delayed Cyst Formation after Stereotactic Radiosurgery for Brain Arteriovenous Malformations. *J Neurosurg.* 2017 Dec 1. doi: 10.3171/2017.6.JNS17559. [Epub ahead of print]. [PMID: 29192860.](#)
59. **Ding D**, Przybylowski, CJ, Starke RM, Crowley RW, Liu KC. Eyebrow Incision for Surgical Evacuation of a Lobar Intracerebral Hemorrhage with a Novel Endoport System. *J Cerebrovasc Endovasc Neurosurg.* 2017 Jun; 19(2): 101-105. doi: 10.7461/jcen.2017.19.2.101. Epub 2017 Jun 30. [PMID: 29152469.](#)
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Books

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Abstracts

Oral Presentations

1. Khattar NK, Ugiliweneza B, Sharma M, Fortuny E, Adams SW, Meyer KS, Boakye M, James RF, **Ding D**. Inverse National Trends in Decompressive Craniectomy versus Endovascular Thrombectomy for Stroke. *Congress of Neurological Surgeons 69th Annual Meeting*. 2019 Oct 19-23. San Francisco, CA. [Oral presentation.](#)
2. Fortuny E, Khattar N, John K, Bak E, Meyer K, Adams S, Sieg E, James R, **Ding D**. Minimally Invasive Endoscopy versus Craniotomy for Acute Subdural Hematomas: A Retrospective Matched Cohort Study. *Congress of Neurological Surgeons 69th Annual Meeting*. 2019 Oct 19-23. San Francisco, CA. [Oral presentation.](#)
3. Chen CJ, Shabo LM, **Ding D**, Ironside N, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Grills IS, Barnett G, Lunsford LD, Sheehan JP. Seizure Presentation in Patients with Brain Arteriovenous Malformations Treated with Stereotactic Radiosurgery: A Multicenter Study. *Congress of Neurological Surgeons 69th Annual Meeting*. 2019 Oct 19-23. San Francisco, CA. [Oral presentation.](#)
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8. Chen CJ, Buell TJ, Diamond J, **Ding D**, Kumar JS, Taylor DG, Lee CC, Sheehan JP. Stereotactic Radiosurgery for High-Grade Intracranial Dural Arteriovenous Fistulas. *AANS/CNS Cerebrovascular Section Annual Meeting*. 2019 Feb 4-5. Honolulu, HI. [Oral presentation.](#)
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110. Paisan G, **Ding D**, Starke R, Crowley RW. Shunt-Dependent Hydrocephalus Predicts Worse Long-Term Functional Outcomes after Aneurysmal Subarachnoid Hemorrhage. *American Association of Neurological Surgeons 85th Annual Scientific Meeting*. 2017 Apr 22-26. Los Angeles, CA. [Poster presentation.](#)
111. Paisan G, **Ding D**, Starke R, Crowley RW, Liu K. Predictors of Shunt-Related Complications in Patients with Aneurysmal Subarachnoid Hemorrhage. *American Association of Neurological Surgeons 85th Annual Scientific Meeting*. 2017 Apr 22-26. Los Angeles, CA. [Poster presentation.](#)
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118. Buell T, **Ding D**, Raper D, Chen CJ, Crowley RW, Evans AJ, Jensen ME, Liu KC. Aneurysms of the Posterior Circulation Perforating Branch Arteries: An Institutional Experience with Focus on Long-Term Clinical Outcome. *AANS/CNS Cerebrovascular Section Annual Meeting*. 2017 Feb 20-21. Houston, TX. [Poster presentation.](#)
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122. **Ding D**, Starke RM, Sheehan JP. Roles of Stereotactic Radiosurgery and External Beam Radiation Therapy in the Management of Pituitary Adenomas. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
123. **Ding D**, Przybylowski CJ, Starke RM, Crowley RW, Liu KC. Endoport-Assisted Microsurgical Evacuation of Spontaneous Intracerebral Hemorrhages. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
124. **Ding D**, Starke RM, Crowley RW, Liu KC. Role of Endoscopy in the Surgical Management of an Anterior Cranial Fossa Dural Arteriovenous Fistula. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
125. **Ding D**, Xu Z, Yen CP, Starke RM, Sheehan JP. Management of Cerebral Arteriovenous Malformations in Elderly Patients: Role of Stereotactic Radiosurgery and Effect of Advanced Age on Outcomes. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
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128. **Ding D**, Xu Z, Shih HH, Starke RM, Yen CP, Sheehan JP. Effect of Prior Resection on Outcomes after Radiosurgery for Cerebral Arteriovenous Malformations. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
129. **Ding D**, Starke RM, Liu KC, Crowley RW. Functional Plasticity of the Cerebral Cortex in Patients with Intracranial Arteriovenous Malformations. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
130. **Ding D**, Liu KC. Comparative Analysis of the Spetzler-Martin and Supplementary Grading Scales for Predicting Outcomes after Surgical Resection of Cerebellar Arteriovenous Malformations. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
131. **Ding D**, Przybylowski CJ, Starke RM, Crowley RW, Liu KC. Minimally Invasive Surgery for the Management of Intracerebral Hemorrhage: Endoport-Assisted Evacuation of a Large Lobar Hematoma through an Eyebrow Incision. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
132. **Ding D**, Starke RM, Crowley RW, Liu KC. Microsurgical Corridors to the Brainstem and Thalamus for Resection of Cerebral Cavernous Malformations: Technical Nuances and Postoperative Outcomes. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
133. **Ding D**, Chen CJ, Starke RM, Crowley RW, Liu KC. Recovery Course of Bilateral Abducens Nerve Palsies after Endovascular Management of Idiopathic Intracranial Hypertension with Venous Sinus Stenting. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
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137. Chen CJ, Moosa S, **Ding D**, Raper DM, Burke RM, Lee CC, Chivukula S, Wang TR, Starke RM, Crowley RW, Liu KC. Infundibular Dilatations of the Posterior Communicating Arteries: Pathogenesis, Anatomical Variants, Aneurysm Formation, and Subarachnoid Hemorrhage. *American Association of Neurological Surgeons 84th Annual Scientific Meeting*. 2016 Apr 30 – May 4. Chicago, IL. [Poster presentation.](#)
138. **Ding D**, Starke RM, Manka D, Crowley RW, Liu KC. Endovascular Treatment of a Spinal Epidural Arteriovenous Fistula with an Enlarging Venous Varix. *World Federation of Interventional and Therapeutic Neuroradiology 13th Congress*. 2015 Nov 9-13. Gold Coast, Australia. [Poster presentation.](#)
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144. Przybylowski CJ, **Ding D**, Starke RM, Yen CP, Quigg MS, Dodson BK, Ball BZ, Sheehan JP. Seizure and Anticonvulsant Outcomes Following Stereotactic Radiosurgery for Intracranial Arteriovenous Malformations. *American Association of Neurological Surgeons 83rd Annual Scientific Meeting*. 2015 May 2-6. Washington, DC. [Poster presentation.](#)
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147. Evans E, **Ding D**, Raper DM, Starke RM, Jane JA Jr, Oldfield EH, Crowley RW, Liu KC. Intracranial Aneurysms in Patients with Pituitary Adenomas: Prevalence, Treatment Outcomes, and Management Strategies. *American Association of Neurological Surgeons 83rd Annual Scientific Meeting*. 2015 May 2-6. Washington, DC. [Poster presentation.](#)
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152. **Ding D**, Quigg M, Starke RM, Yen CP, Przybylowski CJ, Dodson BK, Sheehan JP. Predictors of Seizure Improvement Following Stereotactic Radiosurgery for Cerebral Arteriovenous Malformations in a Prospective Cohort of 229 Patients with AVM-associated Epilepsy. *American Academy of Neurology 67th Annual Meeting*. 2015 Apr 18-25. Washington, DC. Poster presentation.
153. **Ding D**, Starke RM, Dumont AS, Owens GK, Hasan DM, Chalouhi N, Medel, Lin CL. Estrogen Therapy for Cerebral Vasospasm and Delayed Cerebral Ischemia Secondary to Aneurysmal Subarachnoid Hemorrhage. *AANS/CNS Cerebrovascular Section Annual Meeting*. 2015 Feb 9-10. Nashville, TN. Poster presentation.
154. **Ding D**, Starke RM, Liu KC. Microsurgical Approach for a Giant Posterior Cerebral Artery Aneurysm after Unsuccessful Occlusion with Endovascular Flow Diversion. *AANS/CNS Cerebrovascular Section Annual Meeting*. 2015 Feb 9-10. Nashville, TN. Poster presentation.
155. **Ding D**, Starke RM, Evans AJ, Jensen ME, Liu KC. Endovascular Flow Diversion for Previously Clipped, Recurrent Intracranial Aneurysms. *AANS/CNS Cerebrovascular Section Annual Meeting*. 2015 Feb 9-10. Nashville, TN. Poster presentation.
156. **Ding D**, Yen CP, Starke RM, Xu Z, Sheehan JP. Outcomes of Ruptured Intracranial Arteriovenous Malformations Treated with Gamma Knife Radiosurgery. *Congress of Neurological Surgeons 64th Annual Meeting*. 2014 Oct 18-22. Boston, MA. Poster presentation.
157. **Ding D**, Yen CP, Starke RM, Xu Z, Sheehan JP. Gamma Knife Radiosurgery for High Grade Intracranial Arteriovenous Malformations. *Congress of Neurological Surgeons 64th Annual Meeting*. 2014 Oct 18-22. Boston, MA. Poster presentation.
158. **Ding D**, Starke RM, Evans AJ, Liu KC. Preoperative Onyx Embolization of a Cerebellar Hemangioblastoma by Direct Transcranial Puncture. *Congress of Neurological Surgeons 64th Annual Meeting*. 2014 Oct 18-22. Boston, MA. Poster presentation.
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160. Starke RM, Kano H, **Ding D**, Nakaji P, Barnett GH, Mathieu D, Chiang V, Yu J, Hess J, McBride H, Honea N, Lee JY, Rahmathulla G, Evanoff W, Alonso-Basanta M, Lunsford LD, Sheehan JP. Stereotactic Radiosurgery of Petroclival Meningiomas: A Multicenter Study. *Congress of Neurological Surgeons 64th Annual Meeting*. 2014 Oct 18-22. Boston, MA. Poster presentation.
161. Buell T, **Ding D**, Starke RM, Durst C, Evans AJ, Jensen ME, Crowley RW, Liu KC. Endovascular Therapy for Dural Arteriovenous Fistulas: A Single Institutional Experience. *Congress of Neurological Surgeons 64th Annual Meeting*. 2014 Oct 18-22. Boston, MA. Poster presentation.
162. **Ding D**, Chen C, Starke R, Liu K. Cerebral Aneurysm Surgical Clipping Outcomes in an Endovascular Coil-First Era. *Society of NeuroInterventional Surgery 11th Annual Meeting*. 2014 Jul 28-31. Colorado Springs, CO. Poster presentation.
163. **Ding D**, Starke R, Durst C, Gaughen J, Evans A, Jensen M, Liu K. Intraprocedural Diagnosis of Flow-Diverting Stent Malapposition during Endovascular Aneurysm Treatment with DynaCT Imaging. *Society of NeuroInterventional Surgery 11th Annual Meeting*. 2014 Jul 28-31. Colorado Springs, CO. Poster presentation.
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165. **Ding D**, Starke R, Evans A. Navigation of a Distal Cerebral Embolic Protection Device through Significant Vascular Tortuosity with a Novel Rapid Exchange Catheter System during Carotid Artery Stenting. *Society of NeuroInterventional Surgery 11th Annual Meeting*. 2014 Jul 28-31. Colorado Springs, CO. Poster presentation.
166. **Ding D**, Raper D, Starke R, Hilliard J, Evans A, Jensen M, Liu K. Thromboembolic and Haemorrhagic Complications Associated with Endovascular Coil Embolization of Ruptured Basilar Apex Aneurysms. *Society of NeuroInterventional Surgery 11th Annual Meeting*. 2014 Jul 28-31. Colorado Springs, CO. Poster presentation.
167. **Ding D**, Xu Z, McNeill IT, Yen CP, Sheehan JP. Outcomes for Parasagittal and Parafalcine Meningiomas Treated with Gamma Knife Radiosurgery. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. Poster presentation.
168. **Ding D**, Mehta GU, Medel R, Liu KC. Treatment of Bow Hunter's Syndrome Utilizing Intraoperative Angiography during Subaxial Foramen Transversarium Decompression. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. Poster presentation.
169. **Ding D**, Mehta GU, Liu KC. Hypopituitarism from Giant Intracranial Aneurysm Arising from the Supraclinoid Internal Carotid Artery. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. Poster presentation.

170. **Ding D**, Raper DM, Carswell AJ, Liu KC. The Role of Endovascular Stenting in the Treatment of Mycotic Intracranial Aneurysms. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. [Poster presentation.](#)
171. **Ding D**. Colloid Cyst in a Patient with Neurocysticercosis. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. [Poster presentation.](#)
172. **Ding D**, Starke RM, Hantzmon, Yen CP, Williams BJ, Sheehan JP. Comprehensive Review of Radiosurgery Outcomes for Non-Benign Intracranial Meningiomas. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. [Poster presentation.](#)
173. **Ding D**. Molecular Mechanisms of Treatments for Cerebral Vasospasm Associated with Aneurysmal Subarachnoid Hemorrhage. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. [Poster presentation.](#)
174. Starke RM, Durst CR, **Ding D**, Raper DMS, Jensen M, Gaughen J, Evans A, Crowley RW, Liu KC. Endovascular Treatment of Unruptured Wide-Neck Intracranial Aneurysms: A Comparison of Dual-Microcatheter and Stent-Assisted Coiling. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. [Poster presentation.](#)
175. Starke RM, Chalouhi N, Jabbour P, Durst CR, **Ding D**, Hasan D, Tjoumakaris SI, Jensen M, Evans A, Gonzalez LF, Rosenwasser RH, Liu K. Endovascular Treatment of Wide-Neck Intracranial Aneurysms: A Comparison of Dual-Microcatheter and Stent-Assisted Coiling. *American Association of Neurological Surgeons 82nd Annual Scientific Meeting*. 2014 Apr 5-9. San Francisco, CA. [Poster presentation.](#)
176. **Ding D**, Liu KC. Pipeline Embolization Device Malfunction After Complete Deployment Treated with Microsurgical Extraction. *AANS/CNS Cerebrovascular Section Annual Meeting and 4th SNIS International Endovascular Stroke Conference*. 2014 Feb 10-11. San Diego, CA. [Poster presentation.](#)
177. **Ding D**, Liu KC. Management of Intraprocedural Coil Migration During Intracranial Aneurysm Endovascular Embolization. *Annual Meeting and 4th SNIS International Endovascular Stroke Conference*. 2014 Feb 10-11. San Diego, CA. [Poster presentation.](#)
178. Liu KC, **Ding D**, Starke RM, Geraghty SR, Jensen ME. Utilization of a Trevo Stentriever Device for Retrieval of a Migrated Coil During Endovascular Treatment of an Intracranial Aneurysm. *Annual Meeting and 4th SNIS International Endovascular Stroke Conference*. 2014 Feb 10-11. San Diego, CA. [Poster presentation.](#)
179. **Ding D**, Liu KC. Rare Presentation of an Intracranial Arteriovenous Malformation with Orbital Venous Congestion. *Annual Meeting and 4th SNIS International Endovascular Stroke Conference*. 2014 Feb 10-11. San Diego, CA. [Poster presentation.](#)
180. **Ding D**, Brown MF, Sumner HM, Jones DE. Intramedullary Spinal Cord Metastasis from Parotid Gland Carcinoma Mimicking Transverse Myelitis in a Patient with Radiologically Isolated Syndrome. *Congress of Neurological Surgeons 63rd Annual Meeting*. 2013 Oct 19-23. San Francisco, CA. [Poster presentation.](#)
181. Yen CP, **Ding D**, Starke RM, Xu Z, Sheehan JP. Treatment of Primary Motor and Somatosensory Cortex Arteriovenous Malformations with Gamma Knife Radiosurgery – Imaging and Clinical Outcomes. *Congress of Neurological Surgeons 63rd Annual Meeting*. 2013 Oct 19-23. San Francisco, CA. [Poster presentation.](#)
182. Raper DMS, Henderson F, **Ding D**, Liu KC. The Role of Pre-operative Embolization for Intracranial Meningiomas: Lessons from a Contemporary Series. *Congress of Neurological Surgeons 63rd Annual Meeting*. 2013 Oct 19-23. San Francisco, CA. [Poster presentation.](#)
183. **Ding D**, Starke RM, Raper DM, Hilliard JD, Jensen ME, Evans AJ, Kassell NF, Liu KC. Endovascular Coil Embolization of Ruptured Anterior Communicating Artery Aneurysms: Periprocedural Complications. *American Association of Neurological Surgeons 81st Annual Scientific Meeting*. 2013 Apr 27 – May 1. New Orleans, LA. [Poster presentation.](#)
184. **Ding D**, Ho WS, Starke RM, Liu KC. Review of the Natural History and Management of Incidental Cerebral Cavernous Malformations. *American Association of Neurological Surgeons 81st Annual Scientific Meeting*. 2013 Apr 27 – May 1. New Orleans, LA. [Poster presentation.](#)
185. **Ding D**, Raper DM, Starke RM, Hilliard JD, Jensen ME, Evans AJ, Kassell NF, Liu KC. Endovascular Treatment of Ruptured Middle Cerebral Artery Aneurysms: Outcomes and Complications. *AANS/CNS Cerebrovascular Section Annual Meeting and 3rd SNIS International Endovascular Stroke Conference*. 2013 Feb 4-5. Honolulu, HI. [Poster presentation.](#)
186. **Ding D**, Starke RM, Jensen ME, Evans AJ, Kassell NF, Liu, KC. Diagnosis and Management of Posterior Circulation Perforator Artery Aneurysms. *Congress of Neurological Surgeons 62nd Annual Meeting*. 2012 Oct 6-10. Chicago, IL. [Poster presentation.](#)
187. **Ding D**, Hilliard J, Jensen M, Evans A, Dumont A, Kassell N, Liu K. Coil Embolization of Ruptured Anterior Communicating Artery Aneurysms: Periprocedural Complications. *Society of NeuroInterventional Surgery 9th Annual Meeting*. 2012 Jul 23-26. San Diego, CA. [Poster presentation.](#)

188. Kanaly CW, Reeves JW, **Ding D**, Bigner DD, Friedman AH, Herndon J, Keir ST, Lucas J, Potti A, Reardon DA, Nevins JR, Sampson JH. A Rational Approach to Personalized Treatment of Glioblastoma Multiforme. *Congress of Neurological Surgeons 59th Annual Meeting*. 2009 Oct 24-29. New Orleans, LA. Poster presentation.
189. Kanaly CW, Reeves JW, **Ding D**, Bigner DD, Friedman AH, Herndon J, Keir ST, Lucas J, Potti A, Reardon DA, Nevins JR, Sampson JH. Predicting Oncogenic Pathways Driving Resistance to an EGFRvIII-targeted Vaccine Using Signaling Pathway Gene Signatures. *Goldhirsh Foundation Brain Tumor Research Awards Program*. 2009 May 7. Boston, MA. Poster presentation.
190. **Ding D**, Kanaly CW, Crocker I, Fox TH, Pantalone P, Reardon DA, Waller AF, Sampson JH. VelocityAI™ as a Novel Method for Quantitative Assessment of Brain Tumor Volume. *National Predoctoral Meeting*. 2009 May 4-5. St. Louis, MO. Poster presentation.

Invited Presentations (National and International)

1. Conservative Management versus Intervention for Patients with Unruptured Brain Arteriovenous Malformations. *Circle of Willis Meeting. August 14-16, 2015. Queenstown, New Zealand.*

Invited Presentations (Local and Regional)

1. Unruptured Brain Aneurysms: To treat or not to treat? *University of Louisville, 2nd Annual Brain Aneurysm Symposium. September 13, 2018. Louisville, KY.*
2. Cerebrovascular and Neuroendovascular Research Update. *University of Louisville, Department of Neurosurgery Grand Rounds. July 27, 2018. Louisville, KY.*
3. Current Trends the Management of Unruptured Brain Aneurysms. *University of Louisville, Brain Aneurysm Awareness Month Symposium. September 14, 2017. Louisville, KY.*
4. Controversies in the Contemporary Management of Brain Arteriovenous Malformations. *University of Louisville, Department of Neurosurgery Grand Rounds. May 18, 2017. Louisville, KY.*
5. Current Controversies in the Management of Brain Arteriovenous Malformations. *University of Auckland, Centre for Brain Research Seminar Series. May 26, 2016. Auckland, New Zealand*

Editorial Activities

Editorial Board (Current)

1.	2016-present	Editor-in-Chief	International Journal of Sports and Exercise Medicine
2.	2015-present	Associate Editor	Archives in Cancer Research
3.	2014-present	Associate Editor	Neuroimmunology and Neuroinflammation
4.	2016-present	Editorial Board	Journal of Stroke Research
5.	2016-present	Editorial Board	Clinical Neurological Surgery Leaflets
6.	2016-present	Editorial Board	Clinics in Surgery
7.	2016-present	Editorial Board	Clinics in Oncology
8.	2016-present	Editorial Board	Annals of Clinical Case Reports
9.	2015-present	Editorial Board	Austin Neurosurgery: Open Access
10.	2015-present	Editorial Board	International Journal of Neurological Disorders & Interventions
11.	2015-present	Editorial Board	SM Journal of Neurology and Neuroscience
12.	2015-present	Editorial Board	Journal of Clinical Oncology and Practice
13.	2015-present	Editorial Board	Advances in Modern Oncology Research
14.	2015-present	Editorial Board	Austin Medical Sciences
15.	2015-present	Editorial Board	Open Journal of Clinical and Medical Case Reports
16.	2014-present	Editorial Board	Journal of Cerebrovascular Diseases
17.	2014-present	Editorial Board	Austin Journal of Cerebrovascular Disease & Stroke
18.	2014-present	Editorial Board	SOJ Neurology
19.	2014-present	Editorial Board	Austin Journal of Radiation Oncology and Cancer
20.	2014-present	Editorial Board	Jacobs Journal of Anatomy
21.	2014-present	Editorial Board	Jacobs Journal of Bioinformatics and Proteomics
22.	2014-present	Editorial Board	International Archives of Translational Medicine
23.	2014-present	Editorial Board	International Archives of Clinical Pharmacology

24. 2014-present	Editorial Board	International Journal of Oral and Craniofacial Science
25. 2014-present	Editorial Board	International Journal of Sports and Exercise Medicine
26. 2013-present	Editorial Board	JSciMed Neurosurgery and Spine

Editorial Board (Past)

1. 2017-2018	Editorial Board	World Journal of Clinical Cases
2. 2016	Editorial Board	International Journal of Sports and Exercise Medicine

Ad Hoc Reviewer

1. Neurology (*Manuscripts reviewed: 18*)
2. Neurology: Clinical Practice (*Manuscripts reviewed: 6*)
3. Redox Biology (*Manuscripts reviewed: 1*)
4. Oncotarget (*Manuscripts reviewed: 1*)
5. Journal of Cerebral Blood Flow & Metabolism (*Manuscripts reviewed: 1*)
6. Atherosclerosis (*Manuscripts reviewed: 4*)
7. Neurosurgery (*Manuscripts reviewed: 2*)
8. Journal of Steroid Biochemistry and Molecular Biology (*Manuscripts reviewed: 1*)
9. Journal of NeuroInterventional Surgery (*Manuscripts reviewed: 9*)
10. International Journal of Stroke (*Manuscripts reviewed: 9*)
11. Cerebrovascular Diseases (*Manuscripts reviewed: 1*)
12. World Neurosurgery (*Manuscripts reviewed: 47*)
13. Journal of Neuroscience Methods (*Manuscripts reviewed: 2*)
14. European Journal of Pharmacology (*Manuscripts reviewed: 3*)
15. Neurosurgical Review (*Manuscripts reviewed: 2*)
16. BMC Neurology (*Manuscripts reviewed: 1*)
17. Academic Radiology (*Manuscripts reviewed: 6*)
18. Clinical Neurology and Neurosurgery (*Manuscripts reviewed: 2*)
19. Journal of Clinical Neurosciences (*Manuscripts reviewed: 1*)
20. International Journal of Neuroscience (*Manuscripts reviewed: 1*)
21. British Journal of Neurosurgery (*Manuscripts reviewed: 6*)
22. Journal of Neurological Surgery Part A: Central European Neurosurgery (*Manuscripts reviewed: 1*)
23. Journal of Neurosurgical Sciences (*Manuscripts reviewed: 7*)
24. PLoS ONE (*Manuscripts reviewed: 1*)
25. Expert Review of Cardiovascular Therapy (*Manuscripts reviewed: 2*)
26. Medicine (*Manuscripts reviewed: 1*)
27. Neurological Research (*Manuscripts reviewed: 17*)
28. Experimental Biology and Medicine (*Manuscripts reviewed: 1*)
29. Computer Methods in Biomechanics and Biomedical Engineering (*Manuscripts reviewed: 1*)
30. Metabolic Brain Disease (*Manuscripts reviewed: 1*)
31. Sensors (Basel) (*Manuscripts reviewed: 1*)
32. BMJ Case Reports (*Manuscripts reviewed: 1*)
33. Medical Science Monitor (*Manuscripts reviewed: 1*)
34. BioMed Research International (*Manuscripts reviewed: 1*)
35. Advances in Medical Sciences (*Manuscripts reviewed: 1*)
36. Cureus (*Manuscripts reviewed: 1*)
37. Journal of Neurosciences in Rural Practice (*Manuscripts reviewed: 1*)
38. The Scientific World Journal (*Manuscripts reviewed: 1*)
39. Heliyon (*Manuscripts reviewed: 1*)
40. World Journal of Surgical Oncology (*Manuscripts reviewed: 1*)
41. The American Journal of the Medical Sciences (*Manuscripts reviewed: 1*)
42. Journal of Pediatric Neurology (*Manuscripts reviewed: 1*)
43. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management (*Manuscripts reviewed: 30*)
44. Journal of Neurology & Stroke (*Manuscripts reviewed: 2*)
45. Journal of Neurological Disorders & Stroke (*Manuscripts reviewed: 1*)
46. Journal of Neurological Sciences and Psychiatry (*Manuscripts reviewed: 1*)
47. Journal of Pediatric Neuroradiology (*Manuscripts reviewed: 1*)

48. International Journal of Surgery and Practice (*Manuscripts reviewed: 1*)
49. Clinical Medical Reviews and Case Reports (*Manuscripts reviewed: 1*)
50. Journal of Clinical Studies and Medical Case Reports (*Manuscripts reviewed: 1*)
51. Annals of Clinical Cytology and Pathology (*Manuscripts reviewed: 1*)
52. International Journal of Vascular Medicine (*Manuscripts reviewed: 1*)
53. Journal of Spine and Neurosurgery (*Manuscripts reviewed: 1*)
54. Journal of Neurological Disorders (*Manuscripts reviewed: 1*)
55. International Journal of Neurology and Neurotherapy (*Manuscripts reviewed: 1*)
56. Neural Regeneration Research (*Manuscripts reviewed: 1*)
57. Journal of Cardiovascular Diseases & Diagnosis (*Manuscripts reviewed: 1*)
58. Surgery: Current Research (*Manuscripts reviewed: 1*)
59. Springer References in Clinical Medicine (*Manuscripts reviewed: 1*)
60. Journal of Intensive & Critical Care (*Manuscripts reviewed: 1*)
61. Austin Oncology (*Manuscripts reviewed: 1*)
62. Translational Biomedicine (*Manuscripts reviewed: 1*)
63. JSciMed Biomarkers (*Manuscripts reviewed: 1*)
64. Therapeutics and Clinical Risk Management (*Manuscripts reviewed: 1*)
65. International Journal of Research in Medical Sciences (*Manuscripts reviewed: 1*)
66. Journal of Clinical Outcomes Management (*Manuscripts reviewed: 1*)
67. Journal of Neurorehabilitation (*Manuscripts reviewed: 1*)
68. Journal of Novel Physiotherapies (*Manuscripts reviewed: 1*)
69. Journal of Palliative Care & Medicine (*Manuscripts reviewed: 1*)
70. Palliative Medicine & Care (*Manuscripts reviewed: 1*)
71. Saudi Medical Journal (*Manuscripts reviewed: 1*)

Academic Mentoring Experience

Residents

1. *Thomas J. Buell, M.D. (Department of Neurosurgery, University of Virginia)*
 Current Position: Neurosurgery Resident at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 4 Co-authored Abstracts: 4
2. *Ching-Jen Chen, M.D. (Department of Neurosurgery, University of Virginia)*
 Current Position: Neurosurgery Resident at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 20 Co-authored Abstracts: 7

Medical Students

3. *Gabriella Paisan, B.A. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at Barrow Neurological Institute (Phoenix, AZ)
 Co-authored Manuscripts or Book Chapters: 4 Co-authored Abstracts: 7
4. *Dylan Russell, B.A.. (School of Medicine, University of Virginia)*
 Current Position: Medical Student at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 1
5. *Travis Peck, B.A.. (School of Medicine, University of Virginia)*
 Current Position: Ophthalmology Resident at Wills Eye Hospital (Philadelphia, PA)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 1
6. *Adeel Ilyas, B.A.. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at University of Alabama at Birmingham (Birmingham, AL)
 Co-authored Manuscripts or Book Chapters: 2 Co-authored Abstracts: 3
7. *I. Jonathan Pomeranec M.D. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 2 Co-authored Abstracts: 2
8. *Colin J. Przybylowski, M.D. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at Barrow Neurological Institute (Phoenix, AZ)
 Co-authored Manuscripts or Book Chapters: 10 Co-authored Abstracts: 10
9. *Shayan Moosa, M.D. (School of Medicine, University of Virginia)*

- Current Position: Neurosurgery Resident at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 5 Co-authored Abstracts: 3
10. *Benjamin Z. Ball, M.D. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at University of California, Irvine (Irvine, CA)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 1
11. *Mark Jayanathan, M.D. (School of Medicine, University of Virginia)*
 Current Position: General Surgery Resident at Geisinger Health System (Danville, PA)
 Co-authored Manuscripts or Book Chapters: 0 Co-authored Abstracts: 1
12. *Jordan R. Conger, B.A. (School of Medicine, University of Virginia)*
 Current Position: Medical Student at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 2
13. *Elizabeth Evans, B.S. (School of Medicine, University of Virginia)*
 Current Position: Medical Student at University of Virginia (Charlottesville, VA)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 1
14. *Srinivas Chivukula, M.D. (School of Medicine, University of Pittsburgh)*
 Current Position: Neurosurgery Resident at University of California, Los Angeles (Los Angeles, CA)
 Co-authored Manuscripts or Book Chapters: 5 Co-authored Abstracts: 4
15. *Fraser Henderson, Jr., M.D. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at Medical University of South Carolina (Charleston, SC)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 1
16. *Ian T. McNeill, M.D. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at Mount Sinai Hospital (New York, NY)
 Co-authored Manuscripts or Book Chapters: 1 Co-authored Abstracts: 1
17. *Justin D. Hilliard, M.D. (School of Medicine, University of Virginia)*
 Current Position: Neurosurgery Resident at University of Florida (Gainesville, FL)
 Co-authored Manuscripts or Book Chapters: 0 Co-authored Abstracts: 5

Teaching Experience (National and International)

1. None Listed.

Teaching Experience (Local and Regional)

1. 2018-19 Faculty University of Louisville Schools of Medicine
 Course: Introduction to Clinical Medicine (Interdisciplinary Clinical Case small groups for MS1 and MS2)
2. 2018 Faculty University of Louisville Schools of Medicine
 Course: Molecular Basis of Life, Defense, and Disease (Problem-Based Learning small group for MS1)
3. 2018 Sep 13 Co-Director University of Louisville
 Course: 2nd Annual Brain Aneurysm Symposium
4. 2014 Instructor University of Virginia School of Medicine
 Course: Clinically Oriented Gross Anatomy (Head & Neck)
5. 2014 Teaching Assistant University of Virginia Department of Biology
 Course: Microbiology Laboratory
6. 2011-2013 Instructor University of Virginia School of Medicine
 Course: Mind, Brain, and Behavior (Neuroanatomy Laboratory)

Committees (National)

1. 2010-2013 Member Congress of Neurological Surgeons SANS Lifelong Learning Committee

Committees (Local and Regional)

1. 2019-present Member University of Louisville School of Medicine Student Admissions Committee
2. 2019-present Member University of Louisville Hospital Multidisciplinary Stroke Committee
3. 2018-present Member Ph.D. Dissertation Committee for Brandon Brown
4. 2018-2019 Member University of Louisville Hospital Stroke Executive Committee

Courses Attended

1. TRUFILL n-BCA Liquid Embolic Systemic Signature Plus Course. *October 4-5, 2018; Phoenix, AZ.*
2. SNIS/Joint Cerebrovascular Section Fellows Course. *January 21-22, 2018; Los Angeles, CA.*
3. AANS/NREF Endovascular and Vascular Techniques for Senior Residents. *October 20-22, 2016; Memphis, TN.*
4. CNS 3-D Surgical Anatomy Course for Senior Residents. *August 18-21, 2016; Houston, TX.*
5. DePuy Synthes Future Leaders Workshop: Surgical Management of Cervical Spine Trauma. *March 20-21, 2015; Atlanta, GA.*
6. SNIS/Joint Cerebrovascular Section Fellows Course. *February 8-9, 2015; Nashville, TN.*
7. Approaches for Brain Tumor and Vascular Neurosurgery. *November 14-15, 2014; Tampa, FL.*
8. Advanced Gamma Knife Course. *September 9-11, 2013; Charlottesville, VA.*
9. DePuy Synthes Spine Future Leaders Cervicothoracic Workshop. *August 24-25, 2012; Atlanta, GA.*

Professional Memberships

1. American Association of Neurological Surgeons
2. Congress of Neurological Surgeons
3. AANS/CNS Cerebrovascular Section
4. Society of NeuroInterventional Surgery

References

1. Felipe Albuquerque, M.D. (Email: Felipe.Albuquerque@barrowbrainandspine.com)
2. Andrew Ducruet (Email: Andrew.Ducruet@barrowbrainandspine.com)
3. Jason Sheehan, M.D., Ph.D. (email: jps2f@virginia.edu)
4. Mark Shaffrey, M.D. (Email: mes8c@hscmail.mcc.virginia.edu)
5. Dennis Vollmer, M.D. (Email: dv2k@hscmail.mcc.virginia.edu)