

Curriculum Vitae

Kara Beasley, DO, MBe

Business Address: Boulder Neurosurgical & Spine Associates
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PROFESSIONAL EXPERIENCE

2011 – Present Boulder Neurosurgical & Spine Associates
Staff Neurosurgeon, January 2012 – present
Boulder, Colorado

Education

Oct 2011-Dec 2011 **Clinical Scholar: Epilepsy Surgery**
The Cleveland Clinic Foundation
Mentor: Jorge Gonzalez-Martinez, MD

Oct 2010-Sept 2011 **Functional Neurosurgery Fellowship**
The Cleveland Clinic Foundation
Mentor: Andre Machado, MD, PhD

Oct 2010-Dec 2011 **Neuroethics Special Concentration**
The Cleveland Clinic Foundation
Mentor: Paul Ford, PhD

June 2009-March 2010 **Gamma Knife Stereotactic Radiosurgery
Embedded Fellowship:**
Cooper University Hospital, Camden, NJ
Mentor: H. Warren Goldman, MD, PhD

June 2005-Sept 2010 **Neurosurgery Residency, Philadelphia College of
Osteopathic Medicine, Philadelphia, PA**

Aug 2004-Sep 2004 **Pediatric Neurosurgery Rotation**
Phoenix Children's Hospital

July 2004-June 2005 **Internship**
Tempe St. Luke's Hospital, Tempe, AZ

Aug 2000-June 2004 **Arizona College of Osteopathic Medicine**
Degree: D.O. with High Honors (top 10%)

Aug 2000-June 2004 **Midwestern University**
Degree: Masters of Arts in Bioethics

Aug 1992-June 1996 **University of North Carolina**
Degree: B.A. Drama and Speech
B.A. Biology

Licensure: Colorado

COMLEX:

Step 1 2003
Step 2 2004
Step 3 2005

American College of Osteopathic Surgeons Neurosurgery Boards:

Step 1 2011

Awards and Honors

2013	Becker's Spine Review: 29 Women in Spine and Neurosurgery to Know
2013	Patients' Choice SM , patientschoice.org: Patient's Choice Award
2011	Brain Matters 2: Early Career Scholars Award
2010	American College of Osteopathic Surgeons Scientific Writing Award
2008	Innovator's Circle Grant: Brain Death Education Project. Abington Memorial Hospital, Abington, PA
2004	Distinguished Student Service Award, Arizona Osteopathic Medical Association
2004	Glasgow-Rubin Achievement Citation, American Medical Women's Association
2001-2004	American Osteopathic Association: Committee on Constitution and Bylaws Member
2000-2004	Board of Trustees Member: Arizona Osteopathic Medical Association
2003-2004	Sigma Sigma Phi: National Osteopathic Honor Society
2000-2002	Arizona Osteopathic Medical Association House of Delegates: Representative
2003	St. Luke's Service League Health Professions Scholarship
2002	Student Osteopathic Medical Association Student Service Scholarship
1994	Alpha Psi Omega: National Theatre Honor Society

Research Experience

April 2014 – present	A Multicenter, Prospective, Randomized Clinical Trial Using Dehydrated Human Amnion/Chorion Membrane (DHACM) in Decompressive Craniectomy Patients to Reduce Postoperative Scarring <i>Sponsor: MiMedx</i> <i>Role: Sub-Investigator</i>
June 2013 – February 2014	Study of the Safety and Effectiveness of DIAM™ Spinal Stabilization System Versus Conservative Care <i>Sponsor: Medtronic Spinal and Biologics</i> <i>Role: Sub-Investigator</i>
May 2013 – present	Prospective Randomized Feasibility Study Comparing Manual vs. Automatic Position-Adaptive Spinal Cord Stimulation with Surgical Leads <i>Sponsor: Medtronic, Inc.</i> <i>Role: Principal Investigator</i>
February 2013 – present	The Investigational Plan for the Evaluation of the ACADIA™ Facet Replacement System <i>Sponsor: Globus Medical, Inc</i> <i>Role: Sub-Investigator</i>
June 2012 – July 2014	A Phase 3, Randomized, Single-Blind, Controlled Trial of Topical Fibrocaps™ in Intraoperative Surgical Hemostasis <i>Sponsor: ProFibrix, Inc.</i> <i>Role: Sub-Investigator</i>
May 2012 – present	Prospective Randomized Clinical Trial Evaluating the Effectiveness of Lower Body Positive Pressure Treadmill Training in Patients after Lumbar Microdiscectomy and Fusion Surgeries. <i>Sponsor: Justin Parker Neurological Institute</i> <i>Role: Sub-Investigator</i>

October 2011 – present	Prospective Randomized Clinical Trial Comparing PEEK and Allograft Spacers in Patients Undergoing Spinal Intervertebral Fusion Surgeries <i>Sponsor: Justin Parker Neurological Institute</i> <i>Role: Sub-Investigator</i>
March 2008 – April 2009	Brain Death Education Project <i>Preceptor: Steven Barrer, MD</i> <i>Grants: Abington Innovator's Circle</i>
July 2009 – June 2010	Intracranial Pressure Monitoring in Traumatic Hemicraniectomy <i>Preceptor: H. W. Goldman, MD, PhD</i>
Jan 2010 – May 2010	Biochemical Pathophysiology of Brain Metastasis <i>Preceptor: Steve Toms, MD, MPH</i>
Sept 2010 – present	Biparietal Diameter and Laterality in STN Targeting <i>Preceptor: Milind Deogaonkar MD</i> Ethics of Awake Craniotomy <i>Preceptor: Paul Ford PhD, Andre Machado MD, PhD</i> Outcomes in Spinal Cord Stimulation Among Workman's Compensation Patients <i>Preceptor: Andre Machado MD, PhD, Paul Ford PhD</i> Accuracy of Stealth vs. Brainlab in Stereotactic Functional Targeting for Deep Brain Stimulation <i>Preceptor: Andre Machado MD, PhD</i>

Publications

1. **Beasley KD**, *Bilateral Fornix Deep Brain Stimulation for Alzheimer Disease: Surgical Safety in the Advance Trial. Neurosurgery.* 2015 Aug; 62 Suppl 1:207.
2. **Beasley K**. *Applying Guidelines to Individual Patients: Deep Brain Stimulation for Early-Stage Parkinson Disease. Commentary 2. Virtual Mentor.* 2015; 17:13-22. <http://virtualmentor.ama-assn.org/2015/01/ecas2-1501.html>. Accessed January 4, 2015.
3. **Beasley KD**, Toms SA. *The molecular pathobiology of metastasis to the brain. Neurosurg Clin N Am* 2011 Jan;22(1):7-14
4. Kirkpatrick JN, **Beasley KD**, Caplan AL. *Death is just not what it used to be. Cambridge Quarterly of Healthcare Ethics*, in Press (2010;19(1)).
5. **Beasley KD**, Deogaonkar MD, Machado A, Nagel S. *Biparietal Diameter and Laterality in STN Targeting.* (In review)
6. *Intracranial Pressure Monitoring in traumatic hemicraniectomy* (In Preparation)
7. *American College of Osteopathic Surgeons Consensus Paper on Determination of Death By Neurologic Criteria* (In review)

Oral Presentations

- 2016 Boulder Community Hospital Community Lecture Series:
Controlling Involuntary Tremors. Boulder, CO
- 2016 5th Annual Nursing Educational Meeting: Hot Topics in 2016:
Care Management of C-Spine Injuries. Broomfield, CO
- 2015 Current Techniques in the Treatment of Brain and Spinal Disorders:
Deep Brain Stimulation - Exciting New Technology & Outcomes. Broomfield, CO
- 2013 Current Techniques in the Treatment of Brain and Spinal Disorders:
Case Studies in Neuroethics: Navigating Murky Waters. Broomfield, CO.
- 2012 Current Techniques in the Treatment of Brain and Spinal Disorders:
Vagal Nerve Stimulation and Other Surgical Options for Epilepsy: Science or Fiction?
New Frontiers in Functional Neurosurgery
Broomfield, CO.
- 2011 Current Techniques in the Treatment of Brain and Spinal Disorders:

- Surgical Updates on Deep Brain Stimulation*
Neurosurgical Biomedical Ethics: Case studies from the trenches
 Broomfield, CO.
- 2011 American Association of Bioethics and Humanities:
Responsibilities and Obligations in Neurosurgical Decision-Making: Perspectives from Deep Brain Stimulation Specialists
- 2011 Moderator Brain Matters 2 Conference on Translational Neuroethics
- 2011 American Association of Neurological Surgeons: Breakfast meeting
The Ethics of awake craniotomy. Denver, CO.
- 2010 American College of Osteopathic Surgeons Scientific Assembly:
Pathobiology of Brain Metastasis. San Francisco, CA.
- 2010 Geisinger Medical Center Neurosciences Grand Rounds:
Brain Death. Danville, PA.
- 2009 Cooper Neurologic Institute Grand Rounds:
Brain Death. Camden, NJ.
- 2008 Philadelphia Regional Neurologic Grand Rounds:
Brain Death. Abington, PA.
- 2008 Abington Memorial Hospital Grand Rounds:
Brain Death. Abington, PA.

Poster Presentations

- 2013 CNS Annual Meeting October 19 – 23, 2013
 Villavicencio AT, Serxner BJ, Mason A, **Beasley KD**, Nelson EL, Rajpal S, Faes N, Burneikiene S. *Comparative Study of Unilateral and Bilateral Pedicle Screw Fixation in Transforaminal Lumbar Interbody Fusion: Radiological and Clinical Analysis*.
- American Association of Neurological Surgeons 81st Annual Scientific Meeting April 27-May 1, 2013
 Burneikiene S, Villavicencio AT, Nelson EL, Mason A, Rajpal S, **Beasley K**. *The Duration of Symptoms and Clinical Outcomes in Patients Undergoing Anterior Cervical Discectomy and Fusion (ACDF) for Degenerative Disc Disease and Radiculopathy*.
- Annual Meeting of the AANS/ CNS Section on Disorders of the Spine and Peripheral Nerves March 6-9, 2013
 Villavicencio AT, Mason A, Serxner B, Nelson EL, Rajpal S, **Beasley KD**, Burneikiene S. *Predictive Value of the Duration of Symptoms in Patients Undergoing Anterior Cervical Discectomy and Fusion (ACDF) for Degenerative Disc Disease and Radiculopathy*
 Serxner B, Villavicencio AT, Mason A, Nelson EL, Rajpal S, **Beasley KD**, Burneikiene S. *Transforaminal Lumbar Interbody Fusion (TLIF) with Interspinous Process Fixation Plate as an Adjunct to Unilateral Pedicle Screws: Radiological Outcomes*.
 Mason A, Beloy V, Villavicencio AT, Nelson EL, **Beasley K**, Burneikiene S, Rajpal S. *Central cord syndrome with delayed abducens and hypoglossal nerve palsies, a novel triad: Case report, review of proposed mechanisms and relevant literature*, Phoenix, AZ.
- 2011 Congress of Neurological Surgeons
Efficacy of Occipital Nerve Stimulation in Occipital Neuralgia
- 2008 American College of Osteopathic Surgeons Annual Meeting,
Traumatic Cranial Nerve III Palsy, San Francisco, CA
- 2008 Cooper University Hospital Annual Resident Research Day,
Traumatic Cranial Nerve Palsy