
David Edward Case, MD
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EDUCATION/TRAINING

University of Colorado Health Sciences Center at Denver
Department of Neurosurgery: Neurocritical Care Fellowship 2013 - current

University of Colorado Health Sciences Center at Denver
Department of Neurology: Vascular/Stroke Fellowship 2012 – 2013
Board certified 2014

University of Colorado Health Sciences Center at Denver
Department of Neurology: Residency 2009 – 2012
Board certified 2012

University of Colorado Health Sciences Center at Denver
Department of Medicine: Internship 2008-2009

University of Colorado Health Sciences Center at Denver
School of Medicine
Doctor of Medicine, May 2008

University of Colorado at Boulder
Bachelor of Science, May 2001
Major: Electrical and Computer Engineering
Minor: Economics and Computer Science

ACADEMIC HONORS

University of Colorado Health Sciences Center at Denver, Neurocritical Care Fellowship
2014 Resident and Fellow Gold Humanism and Leadership Society Inductee

University of Colorado Health Sciences Center at Denver, Vascular Neurology Fellowship
2012-2013 Neurology department fellow teaching award

University of Colorado Health Sciences Center at Denver, Residency
2010 Humanism and Excellence in Teaching resident nominee
2009 Humanism and Excellence in Teaching resident nominee

University of Colorado Health Sciences Center at Denver, School of Medicine
Academic Honors
Neurology 4th year Subinternship
Internal Medicine 4th year Subinternship
Pediatric 3rd year Clerkship
Ob/Gyn 3rd year Clerkship
Neurology 3rd year Clerkship

Anesthesiology 3rd year Clerkship elective
Family Medicine 3rd year Clerkship
Neurobiology
Neurosciences
Biochemistry of Metabolism
Physiology
Pharmacology
Microbiology/Pathophysiology
Pathophysiology
Principles of Nutrition
Immunology
General/Systemic Pathology
Clinical Epidemiology/Biostatistics

Dean's List for Academic Excellence, 2005 – 2006
Student Interest Group in Neurology president, 2007-2008
Internal Medicine Steering Committee, 2005 - 2006

Scholarships Awarded

Francis & Gladys O'Kelly Academic Scholarship, 2006 – 2007

Research Awards

2005 Department of Medicine Research Day Student Award - awarded to the top student poster presentation. **Inappropriate production of Galectin-1 affects vascular homeostasis causing atypical vascular responsiveness in hypertension.**

University of Colorado at Boulder

Academic Honors

Golden Key Honor Society
Electrical Engineering Honor Society
National Engineering Honor Society
Dean's List for Academic Excellence, 1996 – 2001 all semesters

Scholarships Awarded

Kindig Academic Scholarship, 1998 - 1999
Jacobsen Academic Scholarship, 1999 - 2000
J. Ranald Fox Memorial Academic Scholarship, 2000 – 2001

EMPLOYMENT

Pronerve Inc LLC

Intra-operative Monitoring Reading Physician, November 2012 – March 2013

University of Colorado Health Sciences Neuroscience and Multiple Sclerosis Lab

Medical Student Researcher, Fall 2007

University of Colorado Health Sciences Cardiovascular Pulmonary Research(CVP) Lab

Medical Student Researcher, Summer 2005

Quantum Corporation – Computer Storage Devices

Engineering Project Manager, 2003 – 2004
Electrical Design Engineer, 2001 – 2003
Software Engineer, 2000 - 2001

RESEARCH/PUBLICATIONS/PRESENTATIONS

University of Colorado Hospital, Department of Neurosurgery

Conference Presentations

Deb Sherman PharmD, David Case MD, Luis Cava MD, Robert Neumann MD, **Intraventricular Nicardipine every six hours is a safe alternative for refractory cerebral vasospasm**, Critical Care Medicine Congress Conference, Jan 2015, Phoenix AZ

David Case MD, Sam Waller MD, **Controversies in Subarachnoid Hemorrhage and Vasospasm**, Neurosurgery in the Rockies Conference, Feb 2014, Beaver Creek CO.

Poster Presentations

David Case MD, Taka Higashimori MD, Joshua Seinfled MD, **The Association and Treatment of PICA Aneurysms with Posterior Fossa AVMs**, American Academy of Neurology Annual Meeting, Philadelphia PA.

David Case MD, Taka Higashimori MD, Joshua Seinfled MD, **The Association and Treatment of PICA Aneurysms with Posterior Fossa AVMs**, Society of Vascular Interventional Neurology Meeting, Oct 2013, Houston TX.

Simpson JR, Gr, Graves A, Case DE, Denton CJ, Gebhard L, Gupta RK. **Improvement of Door to Groin Time for Endovascular Therapy in Acute Ischemic Stroke Using Quality Improvement Methods**. International Stroke Conference, Feb 2014, San Diego CA.

Simpson, JR, Graves A, Burrus A, Case DE, Denton CJ, Gebhard L, Grant MD, Smith DA, Gupta RK. **Improvement of Door to Groin Time for Endovascular Therapy in Acute Ischemic Stroke Using Quality Improvement Methods**. Presented at the 25th Annual Rocky Mountain Interprofessional Research and Evidence Based Practice Symposium, March 7 2014, CO.

Taka Higashimori MD, David Case MD, Joshua Seinfled MD, **Medical and Endovascular Treatment of Traumatic Cervical Artery Dissection**, Society of Vascular Interventional Neurology Meeting, Oct 2013, Houston TX.

University of Colorado Hospital, Department of Neurology and Interventional Radiology

Publications

Alex Graves NP, David Case MD, Christy Casper NP, Rajan Gupta MD, Angel Pulido MD, Jennifer Simpson MD, William Jones MD, **Comprehensive Stroke Centers: Recognizing the Need for Complex Stroke Care and Interventional Radiology's Contribution**, *Seminars in Interventional Radiology, Volume 30, Number 3, 2013*

University of Colorado Hospital, Department of Neurology

Grand rounds, May 2012 – Predictors of seizure versus stroke

Grand rounds, August 2012 – Time to IV TPA administration quality improvement project

University of Colorado Hospital, Department of Neurology

Designed, created and completed a research project entailing a 6 month retrospective analysis of stroke alerts at the University of Colorado. The purpose

of the retrospective analysis was to analyze the stroke alert system at University of Colorado and specifically look at factors predicting seizure as a stroke mimic in stroke alerts. Took on project leadership and PI responsibility for obtaining IRB approval, database construction, statistical analysis of data, and data interpretation. 6/11 – 1/12.

Poster presentation

David Case MD, Mark Spitz MD, William Jones MD, **A retrospective analysis of stroke alerts at the University of Colorado Hospital to assess factors predicting seizure vs stroke in the acute setting**, American Epilepsy Society National Meeting, Dec 2011, Baltimore MD.

University of Colorado Health Science Center, School of Medicine

Completed a 4 month elective during my fourth year in medical school working with Dr. Bennett at the University of Colorado Neurology Research laboratory investigating Neuromyelitis Optica(NMO). We investigated intrathecal pathogenic antibodies in early NMO. Specifically I was responsible for frozen sectioning mouse cerebellum and performing immunostaining with NMO serum, CSF, and recombinant antibodies. Indirect immunofluorescence assay was used to perform this task. 8/07 – 11/07.

Publications:

Jeffrey L. Bennett, MD, PhD,1,2 Chiwah Lam, MS,1 Sudhakar Reddy Kalluri, MSc,3 Philippe Saikali, BS,4 Katherine Bautista, MS,1 Cecily Dupree, MS,1 Magdalena Glogowska, MS,1 David Case, MD,1 Jack P. Antel, MD,4 Gregory P. Owens, PhD,1 Don Gilden, MD,1,5 Stefan Nessler, MD,3,6 Christine Stadelmann, MD,6 and Bernhard Hemmer, MD3, **Intrathecal Pathogenic Anti-Aquaporin-4 Antibodies in Early Neuromyelitis Optica**, Ann Neurol 2009;66:617–629

University of Colorado Health Sciences Center, School of Medicine.

NIH Research Fellowship in Pulmonary Hypertension with Ivan McMurtry PhD and Sue Majka PhD at University of Colorado Health Sciences, CVP Research Laboratory. Researched and explored the Galectin-1 protein and its relationship to pulmonary hypertension under physiological stress. Found that mice deficient in Galectin-1 exhibit attenuated physiological responses to chronic hypoxia induced pulmonary hypertension. 6/05-8/05.

Publications

David Case, David Irwin, Charles Ivestor, Julie Harral, Kenneth Morris, Masatoshi Imamura, Mark Roedersheimer, Abby Patterson, michelle carr, Moira Hagen, Milene Saavedra, Joseph Crossno Jr, Katharine A Young, Edward C. Dempsey, Françoise Poirier, James West, and Susan M Majka
Mice Deficient in Galectin-1 Exhibit Attenuated Physiological Responses to Chronic Hypoxia Induced Pulmonary Hypertension
Am J Physiol Lung Cell Mol Physiol, Sep 2006; doi:10.1152/ajplung.00192.2006

Poster Presentations

David Case, MS; Sue Majka, PhD; Charles Ivestor, MD PhD; Masatoshi Imomura, MD; Abbey Patterson, BS; M. Saavedra, MD; Joseph Crossno Jr., MD PhD; Francois Poirier, MD; James West, PhD; **Inappropriate production of Galectin-1 affects vascular homeostasis causing atypical vascular responsiveness in hypertension**, Department of Medicine Research Day, Nov. 5 2005; Denver, CO.

Elizabeth Drexler; Andrew Slifka; David Case; James West; Susan Majka,
**Stress and strain properties of hypoxic Galectin-1 knockout
pulmonary arteries**, CU-NIST Fall Symposium, Nov. 14 2005; Boulder,
CO.