**CURRICULUM VITAE**

**Archana Shrestha, M.D.**

**Assistant Professor of Neurology**

**1635 Aurora Court, Mailstop F-727**

**Aurora, CO 80045**

**Education:**

 1986 – 1989 B.S. in Electrical Engineering, special honors, University of Colorado, Denver, Colorado.

1. – 1994 M.D., University of Colorado Health Sciences Center, Denver, Colorado.

1994 – 1995 Intern in Internal Medicine, University of Colorado, Denver, Colorado.

1995 – 1998 Resident in Neurology, University of Colorado, Denver, Colorado.

1998 – 2001 Research Fellow in Epilepsy, University of Colorado, Denver, Colorado.

2001 – 2002 Clinical Fellow in Epilepsy, University of Colorado, Denver, Colorado

2001 – 2006 Mini-Certificate Program in Clinical Science, University of Colorado

**Academic Appointments:**

2002 – 2010 Instructor of Neurology, University of Colorado, Denver, Colorado

2010 – Present Assistant Professor of Neurology, University of Colorado, Denver, Colorado.

**Honors, Special Recognitions and Awards:**

1986 – 1989 Dean’s List every year, University of Colorado

1987 – 1998 Best Sophomore in Computer Science Engineering, University of Colorado

1988 – 1989 Tau Beta Phi engineering honor society, member

1989 Graduated with Special Honors in B.S.E.E

1997 – 1998 Chief Resident, Department of Neurology, University of Colorado

1998 – 1999 Chief Resident, Department of Neurology, University of Colorado

2000 J. Kiffin Penry Epilepsy Minifellowship Program Scholarship

2001 Top Scholars Travel Award to American Epilepsy Society Annual Meeting

**Membership in professional organizations:**

2000 – Present American Academy of Neurology

2000 – Present American Epilepsy Society

2010 – Present Epilepsy Foundation of Colorado

**Major Committee and Service Responsibilities:**

***University of Colorado School of Medicine:***

2010 – 2011 Inpatient Task force, University of Colorado, Department of Neurology

2010 – 2013 Space Planning Committee, University of Colorado, Department of Neurology

2011 – 2014 Admissions Committee, University of Colorado School of Medicine

2012 – Present Faculty Senate, University of Colorado

***Hospital:***

2011 Emergency Department Seizure Pathway Project

 2012 Vagal Nerve Stimulator and MRI Task Force

2014 – Present Wada Task Force

***Community:***

April 1999 Ask The Doc call-in night, University Hospital, Denver, Colorado

2011 – Present Ask the Expert, Epilepsy Foundation of Colorado, Denver, Colorado

2011 – Present Professional Advisory Board, member, Epilepsy Foundation of Colorado

***National:***

2013 Mixed Professional Focus Group, American Epilepsy Society

2015 - Present Co-director, Special Interest Group for Neuropharmacology, American Epilepsy Society

***International:***

2012 Medical Mission to Nepal

**Licensure and Board Certification:**

1999 – Present Medical license, State of Colorado

2000 – Present Diplomat, American Board of Psychiatry and Neurology, recertification 2011

**Inventions, intellectual property and patents held or pending:**

None.

**Review and referee work:**

None.

**Invited extramural lectures, presentations and visiting professorships:**

***Local:***

June 1998 Neurologic Complications in Pregnancy, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

March 1999 Headaches and Their Treatments, Sterling Regional Medical Center, Sterling, Colorado

April 2002 EEG in Coma, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

June 2003 Basics of Stroke, American Nepalese Association Annual Meeting, Denver, Colorado

June 2005 Temporal Lobectomy, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

April 2007 To Treat or Not To Treat, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

November 2008 Women and Epilepsy, Women’s Health Interest Group, University of Colorado School of Medicine, Denver, Colorado

June 2009 Neurostimulation for Epilepsy, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

April, 2011 Depression and Epilepsy, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

February 2013 Status Alert! Standardized Protocol for Management of Status Epilepticus for Inpatients at UCH: Comparison of Outcomes, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

August 2013 Treatment Options for People with Intractable Temporal Lobe Epilepsy, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

January 2014 Current Controversies in Epilepsy Care: A Debate, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

April 2014 Clinical Utility and Effectiveness of Continuous EEG in Post-arrest Therapeutic Hypothermia, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

December 2015 Psychoactive Medications and Seizures: Challenges and Pitfalls, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

October 2016 Sub-specialty Care for Women with Epilepsy, Department of Neurology Grand Rounds, University of Colorado, Denver, Colorado

***National:***

December 2015 Epilepsy and Psychiatry, American Epilepsy Society Annual Meeting, Philadelphia, Pennsylvania

***International:***

December 2012 EEG Workshop, Annapurna Neurological Institute 3rd Himalayan Epilepsy Workshop, Kathmandu, Nepal

December 2012 Seizure Semiology, Annapurna Neurological Institute 3rd Himalayan Epilepsy Workshop, Kathmandu, Nepal

December 2012 Management of Epilepsy, Annapurna Neurological Institute 3rd Himalayan Epilepsy Workshop, Kathmandu, Nepal

**Teaching Record:**

***Presentations to Medical Students:***

2008 Women and Epilepsy presentation, Women’s Health Interest Group, University of Colorado School of Medicine

2010 – Present Instructor, Neurological Examination Review, Small group sessions, University of Colorado School of Medicine

2010 – Present Two hour training session for 2nd year medical students on how to perform a comprehensive neurological examination

***Presentations to House Officers:***

2007 EEG in Coma, Neurology Resident Lecture Series, Department of Neurology, University of Colorado, Denver, Colorado

2008 Basic Mechanisms Underlying Seizures and Epilepsy, Neurology Resident Lecture series, University of Colorado, Denver, Colorado

2009 Outpatient Management of Epilepsy, Neurology Resident Lecture Series, Department of Neurology, University of Colorado, Denver, Colorado

2009 Women and Epilepsy, Neurology Resident Lecture Series, Department of Neurology, University of Colorado, Denver, Colorado

2011 Outpatient Management of Epilepsy, Neurology Resident Lecture series, Department of Neurology, University of Colorado, Denver, Colorado

2012 Management of Adult Epilepsy, Pediatric Neurology Resident Lecture Series, Department of Pediatric Neurology, Children’s Hospital of Denver, Denver, Colorado

2013 Outpatient Management of Epilepsy, Neurology Resident Lecture Series, Department of Neurology, University of Colorado, Denver, Colorado

2014 Management of Adult Epilepsy, Pediatric Neurology Resident Lecture Series, Department of Pediatric Neurology, Children’s Hospital of Denver, Denver, Colorado

2015 Women’s Issues in Epilepsy, Pediatric Neurology Resident Lecture Series, Department of Pediatric Neurology, Children’s Hospital of Denver, Denver, Colorado

2016 Magnetoencephalography, Pediatric Neurology Resident Lecture Series, Department of Pediatric Neurology, Children’s Hospital of Denver, Denver, Colorado

***Ward/Clinic Attending Duties:***

2004 – Present Supervision and teaching of the epilepsy fellow, residents and medical students in the Epilepsy Monitoring Unit.

2004 – Present Supervision and teaching of the epilepsy fellow and residents in reading and reporting of inpatient and outpatient EEG’s.

2004 – Present Supervision and training of the epilepsy fellow in performing the WADA procedure.

2004 – Present Supervision and training of the epilepsy fellow in performing intra-operative and bedside electrocorticography and cortical mapping.

2004 – Present Teaching neurology residents, medical students and pharmacy students about the WADA procedure and intra-operative and bedside electrocorticography and cortical mapping.

2004 - Present Supervision and teaching of residents, medical students and pharmacy students in the outpatient epilepsy clinic.

2004 – 2006 Supervision and teaching of residents and medical students in the inpatient Neurology service

***Other Specific Accomplishments:***

***Neurology Department:***

1. – Present Journal club, Neurology residents and fellows, yearly

2009 – 2012 Faculty mentor for Christy Barbee, neurology resident

2015 – 2016 Faculty mentor for Laura Friedlander, epilepsy fellow

2013 – 2014 Faculty mentor for Kimberly Horiuchi, epilepsy fellow

2012 – 2013 Faculty mentor for Danielle McDermott, epilepsy fellow

2011 – 2012 Faculty mentor for Charles Livsey, epilepsy fellow

2010 – 2011 Faculty mentor for Kirsten Nielsen, epilepsy fellow

***University of Colorado Anschutz Medical Campus:***

2009 WADA Procedure Protocol

2011 Emergency Department Status Epilepticus Procedure for Neurology and EEG

2012 Procedure for obtaining MRI in patients with a Vagal Nerve Stimulator

2012 Procedure for Continuous Video EEG in Post Cardiac Arrest Patients Undergoing the Therapeutic Hypothermia Protocol

2013 Emergency Department Seizure Pathway

2013 Emergency Department Seizure Observation Pathway

**Grant Support and Research Studies:**

University Hospital July 2014-June 2016

Clinical Effectiveness and Patient Safety Grant Total Award: $29,000

Role: Principal Investigator

*Pregnancy and Contraception Counselling and Pre-Natal Epilepsy Clinic.*

University Hospital July 2013-June 2015

Clinical Effectiveness and Patient Safety Grant Total Award: $30,000

Role: Principal Investigator

*The Utility and Effectiveness of continuous video EEG in post* *cardiac arrest patients undergoing the mild therapeutic hypothermia protocol.*

USL P261-408 May 2014-Present

Role: Co-Investigator Cost: $11,698/patient

*An Open-Label Safety Study of USL261 in the Outpatient Treatment of Adolescent and Adult Subjects with Seizure Clusters*

Marinus 1042-0603 Jan 2014-2015

Role : Co-Investigator Cost: $9950/patient

*A Multicenter, Double Blind, Randomized, Placebo-Controlled Trial to Determine the Efficacy and Safety of Ganaxolone as Adjunctive Therapy for Adults with Drug-Resistant Partial-Onset Seizures Followed by Long-term Open-Label Treatment*

UCB Biosciences 1379 Nov 2013-Present

Role: Co-Investigator Cost: $11,939/patient

*An Open-Label, Multicenter, Follow-Up Study to evaluate the long-term safety and efficacy of Brivaracetam used as adjunctive treatment in subjects aged 16 years or older with epilepsy*

USL P261-402 Nov 2012-Present

Role: Co-Investigator Cost: $9445/patient

*An Open-Label Safety Study of USL261 in the Outpatient Treatment of Subjects with Seizure Clusters*

USL P261-401 Jan 2012-Present

Role: Co-Investigator Cost: $9445/patient

*A Randomized, Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Intranasal Midazolam (USL261) in the Outpatient Treatment of Subjects with Seizure Clusters*

Sunovion 093-050 Nov 2009-Present

Role: Co-Investigator Cost: $7314/patient

*Long-Term Eslicarbazepine Acetate Extension Study*

Sunovion 093-045 Nov 2009-Aug 2013

Role: Co-Investigator Cost:$12,030/patient

Double-Blind, Randomized, Historical Control Study of the Safety and Efficacy of Eslicarbazepine Acetate Monotherapy in Subjects with Partial Epilepsy Not Well Controlled by Current Antiepileptic Drugs

**Bibliography:**

***Peer-reviewed Articles:***

1. Frey LC, Strom L, Shrestha A, Spitz M. End-of-dose emergent psychopathology in ambulatory patients with epilepsy on stable-dose lamotrigine monotherapy: a case series of six patients. Epilepsy and Behavior 2009 Aug;15(4); 521-23.

***Book Chapters, Invited Articles, and Reviews:***

1. Shrestha A., “Seizure Disorders” Primary Care Secrets, Ed. Mladenovic J., Elsevier Science, 2003, 418-422.

***Competitive Scientific Abstracts:***

1. Shrestha A, Wong P, Bainbridge J. Bridging the knowledge gap in women with epilepsy of child bearing potential: Impact of a multidisciplinary counseling and prenatal care clinic. American Epilepsy Society, 2015 Abstract 1.342.

*This poster was selected for an interview with Medscape. Approximately a dozen posters were selected out of thousands of posters at the 2015 Annual American Epilepsy Society Meeting.*

1. Wong P, Bainbridge J, Shrestha A. Zonisamide in women with epilepsy: Pharmacokinetic changes in a singleton and twin pregnancy. American Epilepsy Society, 2015 Abstract 3.393.
2. Drees C, Drees C, Domen C, Chapman K, Shrestha A. Effect of marijuana use on WADA test. American Epilepsy Society, 2015 Abstract 3.165.
3. Bainbridge J, Wong P, Spitz M, Frey L, Shrestha A, Strom L, Benbadis S, Sirven J, Chung S. Retrospective study of lacosamide in the elderly (>60 years of age). American Epilepsy Society, 2015 Abstract 3.073.
4. Spitz M, Moreland S, Horiuchi K, Lervik K, Korb P, Drees C, DeBello R, Strom L, Frey L, O’Brien C, Shrestha A. Eyewitness of seizures are more accurate historians than the patients. American Epilepsy Society, 2014 Abstract 3.205.
5. Drees C, DeBello R, Frey L, Korb P, Shrestha A, Strom L, Spitz M, O’Brien C. Process improvement to reduce time to epilepsy surgery. American Epilepsy Society, 2014 Abstract 2.053.
6. Perman S, Shrestha A, Burnham E. Paralytic and sedative Medications in Targeted Temperature Managemnt: 33°C versus 36°C. Perman, ID 67571 Paralytic and Sedative Medications in Targeted Temperature Management:
7. Horiuchi K, Pearson S, Lervik K, Strom L, Shrestha A, Frey L, Oliver S, Drees C. Incidence of ezogabine side effects and implementation of a safety protocol. American Epilepsy Society, 2013 Abstract 3.290.
8. Bainbridge J, Spitz M, Frey L, McDermott D, Drees C, O'Brien C, Strom L, Shrestha A, Pearson S. Retrospective study of lacosmide in the elderly (> 60). American Epilepsy Society 2013 Abstract 2.172.
9. Spitz M, Drees C, Frey L, Fleming J, Bainbridge J, Pearson S, Shrestha A, Strom L. Pharmaco-adherence in patients with epilepsy and neurologic tumors. American Epilepsy society 2013 Abstract 2.171.
10. McDermott D, Frey L, Faithe M, Bainbridge J, O'Brien C, Oh C, Pearson S, Shrestha A, Strom L, Spitz M, Drees C. Improving time to treatment and resolution of status epilepticus. American Epilepsy Society 2013 Abstract 3.153.
11. Shrestha A, Larabee T, Frey L, Polovitz K, Campbell J. Deterioration in the EEG following rewarming in cardiac arrest patients after mild therapeutic hypothermia. American Epilepsy Society 2012 Abstract 3.078.

*This poster was selected as part of the walking tour of posters during the American Epilepsy Society Annual Meeting. Less than twenty posters are selected out of hundreds of posters.*

1. Shrestha A, Campbell J, Larabee T. Electroencephalography recording are not predictive of survival outcomes following cardiac arrest. Circulation 2012; 126: A53.
2. Shrestha A, Livsey C, Strom L. Contribution of Continuous Video-EEG Monitoring for Prognosis During and Following Cooling Protocol after Cardiopulmonary Arrest. American Epilepsy Society 2011 Abstract 1.200.
3. Spitz M, Moreland S, Frey L, O’Brien C, Shrestha A, Strom L: Ablative Temporal Lobe Epilepsy Surgery Should be considered in Patients with a Pre-existing Liver Transplantation. American Epilepsy Society 2010 Abstract 3.125
4. Shrestha A, Frey L, Strom L, Maa E, Spitz MC. Lamictal and Late Onset Rash. Epilepsia 2006;47 Suppl 4:174.
5. Spitz M, Frey LC, Strom L, Shrestha A, Patz M. Risk Factors Influencing the development and Prognosis of mania Following Anterior Temporal Lobectomy. American Epilepsy Society 2005 Abstract 2.456.
6. Shrestha A, Mowery S, Spitz MC. Concurrent alpha and spindle coma. J Clin Neurophys 2003;20:209.
7. Shrestha A, DeBello R, Funk J, Johnson M, Spitz M. Long Term Anticonvulsant Effect of Levetiracetam. Epilepsia 2002;43 Suppl 7:221.
8. Shrestha A, Staley K. Persistent Changes in the Interictal Bursting Pattern by Activation of Metabotropic Glutamate Receptor. Epilepsia 2001;42 Suppl 7:8.
9. Shrestha A, Staley K. Induction of LTD by Activation of Group 3 Metabotropic Glutamate Receptor in CA3. Society for Neuroscience 2001.
10. Shrestha A, Staley K. The Effect of Extracellular Calcium on the Rate of Reaccumulation of Releasable Neurotransmitter. Epilepsia 2000;41 Suppl 7:10.