

# BARKHA MANNE, M.D.

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[Barkha.Manne@va.gov](mailto:Barkha.Manne@va.gov)

## SPECIALTY

**Physical Medicine and Rehabilitation**

## ACADEMIC APPOINTMENTS

**Clinical Assistant Professor of Neurology** Sept 2012- present  
Department of Neurology/Rehabilitation  
Oklahoma City VA Medical Center  
Oklahoma City, OK

## RESIDENCY

**Temple University Hospital**, Philadelphia, PA  
Physical Medicine & Rehabilitation, 2009 - Present

## INTERNSHIP

**Baptist Health System**, Birmingham, AL  
Internal Medicine – Preliminary Year, 2008 - 2009

## EDUCATION

**M.D.** 2008 University of South Alabama College of Medicine, Mobile, AL  
**B.S.** 2004 University of Alabama at Birmingham, Birmingham, AL  
(Biology Major)

**Honors:** Aaron L. Lamar Jr. Scholarship, Golden Key Scholarship,  
UAB Green and Gold Scholarship, UAB Best Writer's Award

## ADMINISTRATIVE RESPONSIBILITIES

**Program Director Outpatient Pain Rehabilitation Program** Sept 2012- present  
Oklahoma City VA Medical Center  
Oklahoma City, Ok

**Pain Management Committee** Sept 2012- present  
Oklahoma City VA Medical Center  
Oklahoma City, Ok

**Pain Board** Sept 2012-present  
Oklahoma City VA Medical Center  
Oklahoma City, Ok

## BOARD CERTIFICATION

American Board of Physical Medicine and Rehabilitation Part I August, 2012  
American Board of Physical Medicine and Rehabilitation Part II May, 2013  
USMLE Step 1 **2006**  
USMLE Step 2 CK **2007**  
USMLE Step 2 CS **2008**  
USMLE Step 3 **2009**

**PROFESSIONAL LICENSE**

Pennsylvania State Medical License	2012-present
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**PROFESSIONAL EXPERIENCE**

Delaware County Memorial Hospital, Drexel Hill, PA Relief Physician – Physical Medicine and Rehabilitation	2010 - Present
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Virginia Medical Exams, Allentown, PA Relief Physician – Physical Medicine and Rehabilitation –	2010-2012
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National Science Foundation GK-12 Fellow, Birmingham, AL Teacher/Lab Facilitator	2003- 2004
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**PUBLICATIONS**

1. Manne, B.B., Nasser, M.E. Maitin, I.B. “Approach to the Rehab Patient.” Clinical Diagnosis and Treatment: PM&R. McGraw-Hill, 2014. *In Press*.
2. Grizzle, WE, Semmes, J.O., Bigbee, W.L., Malik, G., Miller, E.J., & **Manne, B.** (2005). Use of high throughput mass spectrographic methods to identify disease processes. G.P. Patrinos & W. Ansorge (Ed.), *Molecular Diagnostics* (pp211-222). CA: Elsevier Academic Press Incorporated.
3. Grizzle WE, Semmes JO, Bigbee W, Zhu L, Malik G, Oelschlager DK, **Manne B**, Manne U. The Need for Review and Understanding of SELDI/MALDI Mass Spectroscopy Data Prior to Analysis. *Cancer Informatics*. 2005 Jan; 1(1): 86-97.

**POSTER ABSTRACTS**

1. Rafique, M, **Manne, B**, Hussain, A, Onyewu, CO. Intractable Back Pain Alleviated by New Approach to Peripheral Nerve Stimulation: Cross Talk: A Case Report. Poster Presentation: American Academy of PMR Annual Meeting, Orlando, Florida 06/2011
2. Siu, G, **Manne, B**, Nissley, F. Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL) Mimicking Multiple Sclerosis: A Case Report. Poster Presentation: American Academy of PMR Annual Meeting, Seattle, Washington 11/2010
3. Siu, G, Desai, A, **Manne, B**, Weinik, M, Mason, D. Rehabilitation and Osteopathic Manipulative Medicine for a Patient with Dysphagia secondary to Hyoid Somatic Dysfunction: A Case Report. Poster Presentation: American Academy of PMR Annual Meeting, Seattle, Washington 11/2010
4. **Manne, B.**, Oelshlager, DK., Miller, E., Grizzle, W. Effect of repetitive freeze-thaw cycles on the stability of serum proteins analyzed by Surface Enhanced Laser Desorption/Ionization – Time of Flight Mass Spectrometry (SELDI-TOFMS). UAB Research Day, University of Alabama at Birmingham. Poster Presentation Birmingham, AL, July, 2004.

**SCHOLARLY ACTIVITIES**

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| 1. VAMC Stroke Rehabilitation Rotation Curriculum Development                                    | Dec 2012 |
| 2. VAMC Stroke Rehabilitation Rotation Resident Presentation<br><i>Post Stroke Shoulder Pain</i> | Jan 2013 |

3. VAMC Outpatient Pain Rehabilitation Program: Department of Mental Health Presentation Jan 2013
4. Amputee Rehabilitation: In –service Presentation Nov 2012

**RESEARCH**

2001-2004

- Study involving Surface Enhanced Laser Desorption/Ionization Time of Flight Mass (SELDI/TOF) Spectroscopy to analyze body fluids in early detection of multiple neoplastic processes under Dr. William Grizzle, Professor of Pathology, University of Alabama at Birmingham, AL

2000

- Laboratory Assistant in a study of purification of recombinant NAD Synthetase to develop novel anti-bacterial agents under Dr. Raj Singh, Assistant Professor of Pathology, University of Alabama at Birmingham, AL

**PODIUM PRESENTATIONS**

1. *Musculoskeletal Rehabilitation* Grand Rounds, Moss Rehabilitation Hospital, Philadelphia, PA. November 2011
2. *EMG Case Presentation: A TBI patient with wrist drop.* Noon Conference Presenter, Temple University Hospital, Philadelphia, PA. July 2011
3. *Work Related Repetitive Strain Injuries of the Distal Upper Limb.* Grand Rounds Presenter, Moss Rehabilitation Hospital, Philadelphia, PA. June 2011
4. *Atlantoaxial Subluxation in a patient with Diffuse Idiopathic Skeletal Hyperostosis.* Noon Conference Presenter, Temple University Hospital, Philadelphia, PA. May 2011
5. *Relationship between Cardiac Rehabilitation and Long-Term Risks of Death and Myocardial Infarction among Elderly Medicare Beneficiaries* Journal Club Presenter, Temple University Hospital, Philadelphia, PA. February 2011
6. *Post Amputation Pain Syndromes in Lower Extremity Amputees.* Grand Rounds Presenter, Moss Rehabilitation Hospital, Philadelphia, PA. February 2010
7. *Effectiveness of Locomotor Therapy Using Robotic Assisted Gait Training in Subacute Stroke Patients: A Randomized Controlled Trial.* Journal Club Presenter, Temple University Hospital, Philadelphia, PA. July 2009

**CONTINUING EDUCATION**

1. Prevention of Workplace Harassment/No FEAR Annual mandatory requirement of OKC VAMC Dec 2012
2. DEMO Traumatic Brain Injury Examination Annual mandatory requirement of OKC VAMC Sept 2012
3. Anticoagulation Education Advanced Module Sept 2012

Annual mandatory requirement of OKC VAMC

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| 4. Prevention and Management of Disruptive Behavior<br>Annual mandatory requirement of OKC VAMC       | Sept 2012 |
| 5. CPR Awareness and Public Access Defibrillation Program<br>Annual mandatory requirement of OKC VAMC | Sept 2012 |
| 6. Privacy and HIPAA Training<br>Annual mandatory requirement of OKC VAMC                             | Sept 2012 |
| 7. VA Privacy and Information Security Awareness and Rule<br>Annual mandatory requirement of OKC VAMC | Sept 2012 |

### **ADDITIONAL TRAINING**

#### **Musculoskeletal Ultrasound Course – 3/2011**

Temple University Hospital, Philadelphia, PA

#### **38<sup>th</sup> Annual Course in Electrodiagnostic Medicine – 3/2011**

Thomas Jefferson University, Philadelphia, PA

#### **18<sup>th</sup> Annual Prosthetics Course – 5/2010**

University of Pennsylvania, Philadelphia, PA

#### **Orthotics and Gait Course – 12/2009**

Moss Rehabilitation Hospital, Philadelphia, PA

### **PROFESSIONAL ORGANIZATIONS**

American Academy of Physical Medicine and Rehabilitation, 2009 - Present

American Medical Association, 2004 - present

### **HONORS AND AWARDS**

Teaching Assistant: Organic Chemistry, University of Alabama at Birmingham, AL, 2003

Teaching Assistant: General Chemistry, University of Alabama at Birmingham, AL, 2002

National Science Foundation Gk-12 Fellowship, Birmingham, AL, 2003-2004

Rape Response Counselor: The Crisis Center, Birmingham, AL, 2002-2004

UAB Ambassador (Treasurer position): University of Alabama at Birmingham, AL, 2001-2003

UAB Honors Community Service Committee (Christmas Outreach Organizer), AL, 2001

UAB International Student Mentor, University of Alabama at Birmingham, AL 2001-2002

Habitat for Humanity, John's Island, South Carolina, 2001

Resident Assistant: Capstone Properties, University of Alabama at Birmingham, AL, 2001-2004

UAB Indian Cultural Association Events Coordinator, Birmingham, AL, 2003-2004