

BIOGRAPHICAL SKETCH

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NAME: Bhandari, Rashmi P.

eRA COMMONS USER NAME:

POSITION TITLE: Clinical Associate Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Completion Date MM/YYYY	FIELD OF STUDY
James Madison University	BS	1996	Psychology
Masters of Arts in Psychology	MA	1998	Psychology
Wayne State University	Ph.D.	2002	Clinical Psychology
Wayne State University	Postdoctoral	2002-2003	Postdoctoral Psychology Fellowship

A. Personal Statement

I am the Director of Psychology Services for the Department of Anesthesiology, Perioperative and Pain Medicine at Stanford University Medical Center. I am faced with the day-to-day challenges of treating children with very complex chronic pain conditions. The successful and cost-effective long-term management of chronic pain depends on integrated medical, mental health, and physical rehabilitation treatments. Decisions about the appropriate treatments, however, are dependent on accurate and useful data—data that have been lacking for adults and children who experience chronic pain. This lack of information inspired the creation of a Health Registry/LHS called CHOIR. I led the creation of the pediatric adoption of CHOIR Peds-CHOIR, which is a novel, open-source outcome-dual tracking vehicle for youth with chronic pain and their caregivers. I expect that the further development and utilization of this platform will allow my team to help address the questions asked in this proposal, provide a framework to foster multisite collaborations, and optimize treatment for pediatric patients with chronic pain conditions utilizing precision medicine tools.

In addition to practicing behavioral pain medicine for 12 years, I have a clinical and research background in the development of clinical tools to inform patient care, and have utilized standardized tools to stratify patients based on risk. Prior to the development of Peds-CHOIR (pediatric version of CHOIR), I developed SPPFI (Stanford Pediatric Pain Function Inventory) which was clinically utilized for many years to screen patients who are more vulnerable (mental, physical, psychosocial vulnerabilities) to ensure appropriate resources are dedicated to those patients to enhance patient care and optimize provider resources. Also, after receiving my PhD in clinical psychology, I obtained specialized training in clinical trials in the treatment of mood disorders during my fellowship which has prepared me with a foundation in research skills to successfully execute the proposed research projects. Further as the director of the pediatric pain psychology fellowship for 7 years and for psychology services for 2 years, I have the leadership skills to execute this grant.

B. Positions and Honors

Employment

1997-1998	Undergraduate Teaching Instructor, Lifelong Learning Institute, James Madison University, Harrisonburg, VA
1998-1999	Graduate Teaching Assistant, Department of Psychology, Wayne State University, Detroit, MI
1999-2000	Clinical Psychology Intern, Family Division, Oakland County Probate Court, Pontiac, MI
2000-2001	Clinical Psychology Intern, Children Center, Detroit, MI
2001-2002	Pre-doctoral Intern, Child and Adolescent Clinical Psychology, Wayne State University School of Medicine, Detroit, MI
2002-2003	Postdoctoral Fellow, Department of Psychiatry and Behavioral Neurosciences, Wayne State University, Detroit, MI
2003-2005	Clinical Psychologist, Clinical Research Assistant and Consultation Liaison, Department of Psychiatry and Behavioral Neurosciences, Wayne State University, Detroit, MI
2005-2007	Clinical Instructor, Anesthesiology, Department of Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, CA
2007-2012	Clinical Assistant Professor, Department of Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, CA
2011-present	Director of Pain Psychology Fellowship Training, Department of Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, CA
2013-present	Clinical Associate Professor, Department of Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, CA
2015-present	Director of Psychology Services, Department of Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, CA
2015-present	Hired research coordinator and started the research/clinical fellowship to build a research infrastructure in the pediatric pain clinic

Honors

1995-1996	Research Scholar, Psychology Department, James Madison University, Harrisonburg VA
1996	Applied Statistics Award, James Madison University, Harrisonburg VA
2000-2001	Thomas C. Rumble University graduate fellowship, Wayne State University, Detroit, MI

Other Relevant Experience

Licenses and Certifications

2005-present	Licensed psychologist (#PSY203410), California Board of Psychology
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Professional Activities and Memberships

2000-present	Member, American Psychological Association (APA)
2002-2006	Ad-Hoc reviewer for <i>Depression and Anxiety</i>
2009-present	Manuscript Reviewer for <i>Clinical Journal of Pain</i>
2011-present	Association of Applied Psychophysiology and Biofeedback
2011-present	Society of Pediatric Psychology
2011-present	American Pain Society and the Special Interest Group on Pediatric Pain
2012-present	International Symposium for Pediatric Pain
2012-present	Manuscript Reviewer for Clinical Practice in Pediatric Psychology
2014-present	American Society of Clinical Hypnosis

C. Contributions to Science

1. In recent years, I have researched evidenced-based treatments of pediatric chronic pain and identification of important patient characteristics that may inform treatment outcomes. Integral to this research was the utilization of Peds-CHOIR, which was designed to track outcomes for children and adolescents with chronic pain and their caregivers. My publications in peer reviewed journals documents the development and implementation of this registry platform as well as the potential for deep phenotyping of treatment responsive and non-responsive patients.

- a. Bhandari RP, Feinstein A, Huestis S, Krane E, Dunn A, Cohen L, Kao MC, Darnall B, Mackey S. Pediatric-Collaborative Health Outcomes Information Registry (Peds-CHOIR): A Learning Health System to Guide Pediatric Pain Research and Treatment. *Pain*. 2016: 2033-44.
 - b. Feinstein, A., Sturgeon, J., Beth, D.D., Dunn A., Rico T., Kao M.C, Bhandari R.P. The Impact of Pain Catastrophizing on Outcomes: A Developmental Perspective across Children, Adolescents and Young Adults with Chronic Pain. *The Journal of Pain*, 2016:18(2): 144-154.
 - c. Benore E, Bhandari R, Harbeck-Weber C, Logan DE, Banez G. Pediatric pain psychology: Guidelines for advanced subspecialty training. *Clinical Practice in Pediatric Psychology* 2017;5(1):17-35.
 - d. Kao G, Bhandari R, Huestis S, Golianu B. Traumatic stress and pediatric pain: A neurobiological stress-health perspective. *Journal of Child and Adolescent Trauma* 2017; In press.
2. My earlier research efforts focused on randomized clinical trials and stratifying patients based on level of risk.
- a. Mirza Y, O'Neill J, Smith EA, Russell A, Smith JM, Banerjee SP, Bhandari R, Boyd C, Rose M, Ivey J, Renshaw PF, Rosenberg DR. Increased medial thalamic creatine/phosphocreatine found by proton magnetic resonance spectroscopy in children with obsessive-compulsive disorder versus major depression and healthy controls. *Journal of Child Neurology* 2006: 21 106-11.
 - b. MacMaster FP, Russell A, Mirza YK, Keshavan MS, Banerjee SP, Bhandari R, Boyd C, Lynch M, Rose M, Ivey J, Moore GJ, Rosenberg DR. Pituitary volume in pediatric obsessive compulsive disorder. *Biological Psychiatry*, 2006:59: 252-257.
 - c. Szeszko PR, MacMillan S, McMeniman M, Chen S, Baribault K, Head D, Lim KO, Ivey J, Rose M, Banerjee SP, Bhandari R, Moore GJ, Rosenberg DR. Brain structural abnormalities in psychotropic drug-naive pediatric obsessive compulsive disorder. *American Journal of Psychiatry* 2004:161: 1049-56
 - d. Rosenberg DR, Mirza Y, Russell A, Tang J, Smith JM, Banerjee P, Bhandari R, Rose M, Ivey J, Boyd C, Moore GJ. Reduced anterior cingulate glutamatergic concentrations in childhood OCD and major depression vs. healthy controls. *Journal of the American Academy of Child and Adolescent Psychiatry* 2004 43(9):1146-53.
3. These research projects are focused on my expertise as a psychologist and researcher in the treatment of anxiety disorders, which are the cornerstone in management of pain disorders.
- a. Arnold P, Banerjee SP, Bhandari, R P, Lorch E, Ivey J, Rose M, Rosenberg DR. Childhood anxiety disorders and developmental issues in anxiety. *Current Psychiatry Reports* 2003:5(4): 252-265.
 - b. Banerjee S, Bhandari R, Rosenberg D. Pharmacotherapy of severe choking phobia in childhood. *Journal of Developmental & Behavioral Pediatrics* 2005:26: 1-5.

Full List of Publications

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1Xw54lccqve5b/bibliography/52223963/public/?sort=date&direction=ascending>

D. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

Stanford University

07/14/14-Present

Title: Assessment of Pediatric Pain: Enhancing Understanding of Initial Presentation, Treatment Responsiveness, and Psychosocial Factors in Pediatric Pain

Study Goal: The goal of this study is to examine questionnaire-based data collected from patients seen at the Pediatric Pain Clinic at Stanford Children's Health to better understand pain conditions and psychosocial outcomes.

Role: PI

Stanford University

12/30/13-Present

Title: Courage to Act with Pain: Teens Identifying Values, Acceptance, and Treatment Effects (CAPTIVATE)

Study Goal: The goal of this study is to employ evidence based interventions (Cognitive-Behavioral Therapy & Acceptance and Commitment Therapy) to enhance functioning in youth with pain. The study also aims to enhance caregiver perspective and skills regarding management of their child's pain.

Role: PI

Completed Research Support

Michigan Department of Community Mental Health

05/01/05-04/30/08

Title: Recognition and reduction of health care disparities

Study Goal: The goal of this project was to identify the sources and the status of health disparities and formulate viable ways to reduce such disparities

Role: Co-PI

Michigan Department of Community Mental Health

05/01/05-04/30/08

Title: Recruitment of minority participants for treatment research

Study Goal: The goal of this project was to increase involvement of minority participants for treatment research given the limitation of existing research data on the treatment outcomes of minority populations.

Role: Co-PI