

Nabin Poudel

Curriculum Vitae

I. ADDRESS

University Address

Department of health outcomes research and policy (HORP)
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II. RESEARCH INTEREST

Pharmaceutical Economics and Policy
Patients' preference
Value assessment
Health technology assessment (HTA)
Patient-reported outcomes (PROs)

III. EDUCATIONS

- 2017-Present **Ph.D. Student (5th year, expected completion: May 2022), Health Outcomes Research and Policy (HORP), Auburn University (GPA: 3.88/4), USA**
Research Interests: Pharmacoeconomics outcome research. Patients' preference using preference elicitation techniques such as discrete choice experiment (DCE) to improve patient access to affordable medicine. Value assessment using cost-effectiveness analysis (CEA) or willingness-to-pay (WTP).
- 2012-2014 **MBA, Kathmandu University School of Management (KUSOM), Nepal**
Thesis: Examining the prescribers' brand perception of Amlodipine besylate (MYLOD) with a multivariate tool: A perceptual mapping approach. The primary aim of this research was to identify the factor prescribers/doctors considered to be critical while making a prescription decision for any brand of Amlodipine besylate molecule. Also, to evaluate the competitive position of MYLOD in the Nepalese pharmaceutical market.
- 2007-2011 **B. Pharm, Kathmandu University, Nepal**
Project: Evaluation of crude banana powder as formulation aid and comparison of its mucoadhesive property with Carbopol 934P. The focus of this project was to explore the potential of banana powder as a possible excipient as it tends to show mucoadhesive properties.

IV. CORE COMPETENCIES

SAS programming and data analysis
Python (Anaconda)
Preference and value assessment studies (Cost Effectiveness Analysis, Discrete Choice Experiment, Willingness to Pay)
Literature reviews (Systematic reviews and Meta-analysis)
Oral and written communication skills (presentations, abstracts, and manuscripts, projects)

V. POSITIONS HELD

- 2018-Present ***Graduate Research Assistant (GRA), HORP, Auburn University***
Advisor: Dr. Surachat Ngorsuraches.
Role: Assist Dr. Ngorsuraches with the implementation of the projects and preparation of scientific materials.
- 2020-Present ***Representative, Graduate Programs Committee, HORP, Auburn University.***
Role: Communicate students concern to the department and the Graduate Student Council
- 2020-Present ***Peer mentor***
Role: Assist new students in navigating through the initial stage of the Ph.D. program.
Served as a peer mentor for Mr. Bidur Banjara, Ms. Ritu Tushar Shah, Mr. Tim Lai
- 2017-2018 ***Graduate Teaching Assistant (GTA), HORP, Auburn University***
Served as GTA for several courses: Longitudinal Experience I and II, Integrated learning experience I, II and III, Pharmacy Practice Development and Management and Evaluation I, etc.

Role: To facilitate the daily in-class activity, manage assignment submission and grading, conduct training workshops, and design course canvas websites.
- 2018 ***Organizer, Southern Pharmacy Administration Conference (SPAC), Auburn University***
Role: Facilitate to organize south pharmacy administration conference held at Auburn University.
- 2014-2017 ***Assistant Brand Manager (ABM), Quest Pharmaceuticals Pvt. Ltd, Kathmandu, Nepal***
Role: Design brand plan, budget plan, and marketing plan for new products: devise pre-launch, launch and post-launch marketing strategy, analyze sales data, conduct market surveys, analyze survey data, and present the survey results. Responsible for developing scientific promotional inputs and coordination with vendors for procurement, price negotiation, and promotional inputs distribution. Also responsible for organizing national and international conferences and doctor group meetings (DGM).

VI. HONORS AND AWARDS

- 2021 Health outcomes research and policy, Auburn University, departmental nominees for outstanding graduate student awards at the University level
- 2019 Top 10% Research Poster Presentation Award at ISPOR, New Orleans, USA
- 2018-2019 Dean travel award
- 2018 Outstanding teaching assistant award at Harrison School of Pharmacy.

VII. PROJECT INVOLVED

- 1) PhRMA Foundation, 2021-2022 (Dr. Surachat Ngorsuraches)-current
Measuring the value of fear of contagion in COVID-19 care
Role: Assist in the screening of literature, generating choice sets, statistical analysis, and report writing
Total project funding awarded: \$100,000
- 2) Bristol Myers Squibb, 2020 (Dr. Surachat Ngorsuraches)
Value assessment of Innovation: Phase I
Role: Assist in the screening of literature in collaboration with the University of Utah
Total project funding awarded: \$68,250
- 3) EQ-5D-5L, 2020 (Dr. Surachat Ngorsuraches)-current
Methodological similarities and variations among health state valuation studies using EQ-5D-5L
Role: Screening the literature, data extraction, manuscript preparation, and submission.

Total project funding awarded: NA

- 4) Sanford Health, 2017 (Dr. Surachat Ngorsuraches)-Completed
Patient engagement in the management of multiple chronic conditions
Role: Manuscript preparation and submission (2020)
Total project funding awarded: \$1,000
- 5) National Multiple Sclerosis Society, 2016-2017 (Dr. Surachat Ngorsuraches)-Completed
Examining the cost-escalation and patient valuation of disease-modifying therapies for multiple sclerosis
Role: Data analysis, manuscript preparation, and submission (2020)
Total project funding awarded: \$117,878.20
- 6) Food and Drug Administration (grant number: U01FD005486), 2020 (Dr. Jingjing Qian)-Completed
Patient and caregiver opinions about an FDA-developed generic drug educational handout: A pilot cross-sectional survey
Role: Survey implementation, data entry, manuscript preparation
- 7) Delay Discounting pilot study East Alabama Medical Center (EAMC) (Dr. Kimberly B Garza), 2019-Completed
Utilization of a brief delay discounting task to assess time preference at the point-of-care
Role: Data collection, Data analysis
Total project funding awarded: NA

VIII. INTERNSHIPS

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| 2019 | Experiential Intern (AbbVie)
Role: Literature reviews for patient-reported outcomes studies in cancer research. Literature review for health state valuation using EQ-5D-5L and EQ-5D-3L. Assist in developing patient-reported outcomes (PRO) instrument. Writing and presenting results. Preparation of scientific materials. |
| 2013 | Quest Pharmaceuticals Pvt. Ltd, Kathmandu, Nepal (12 weeks)
Role: Develop a product launch strategy for the Febuxostat 40/80 mg Tablet. Conduct a project related to the brand perception of Amlodipine (MYLOD) among prescribers/doctors as a part of the MBA dissertation requirement. |
| 2011 | Ohm Pharmaceuticals lab. Pvt Ltd, Kathmandu, Nepal (4 weeks)
Role: Observation and understanding the production and quality control process within Ohm Pharmaceuticals Pvt. Ltd. |

IX. PUBLICATIONS/PRESENTATIONS

A. Peer-reviewed publications (Published/In progress)

1. **Poudel N.**, Fahim SM., Qian J., Garza KB., Chaiyakunapruk N., Ngorsuraches S. Methodological similarities and variations among health state valuation studies using EQ-5D-5L: A systematic review. *Applied Health Economics and Health Policy. (Under review)*
2. Ngorsuraches S, **Poudel N.** Incorporating patients' preferences in the value assessment of disease-modifying therapies for multiple sclerosis: a narrative review. *Expert Rev Pharmacoecon Outcomes Res.* 2021.
3. **Poudel N**, Banjara B, Kamau S, Frost N, Ngorsuraches S. Factors influencing patients' willingness-to-pay for disease-modifying therapies for multiple sclerosis. *Multiple Sclerosis and Related Disorders.* 2021;48:102720.
4. Ngorsuraches S, Michael S, **Poudel N**, et al. Using Electronic Medical Records and Health Claim Data to Develop a Patient Engagement Score for Patients With Multiple Chronic Conditions: An Exploratory Study. *Journal of Patient Experience.* 2021;8(January 1, 2021):1-11.

5. Hohmann NS, **Poudel N**, Garza KB, et al. Patient and caregiver opinions about an FDA-developed generic drug educational handout: A pilot cross-sectional survey. *Journal of the American Pharmacists Association*. 2020.
6. **Poudel N**, Kavookjian J. Motivational Interviewing as a Strategy for Smoking Cessation Among Adolescents-A Systematic Review. *Value in Health*. 21, S238-S239

B. Abstracts

1. Banjara B, Emory L, **Poudel N**, Qian J, Ngorsuraches S. Patients' Preferences for Antihyperglycemic Medications for Type 2 Diabetes: A Systematic Review of Discrete Choice Experiment. Abstract accepted for poster/podium presentation at virtual ISPOR, May 2021.
2. **Poudel N**, Ngorsuraches S. Factors influencing patients' willingness to pay for disease-modifying therapies for multiple sclerosis. Abstract accepted for poster/podium presentation at ISPOR, Orlando, FL, May 2020
3. **Poudel N**, Ngorsuraches S, Qian J, Garza KB. Methodological variations among health state valuation studies using EQ-5D-5L: A systematic review. Abstract accepted for poster/podium presentation at ISPOR, New Orleans, LA, May 2019
4. Garza KB, Briggs K, Sanderson B, Durham S, Okerberg C, Peel E, **Poudel N**. Utilization of brief delay discounting task to access time preference at the point of care. Abstract accepted for poster presentation at 40th Annual Meeting and Scientific sessions, Washington Hilton, Washington DC, March 2019.
5. **Poudel N**, Kavookjian J. Motivational interviewing as a strategy for smoking cessation among adolescents: A systematic review. Abstract accepted for poster presentation at ISPOR, Baltimore, MD, May 2018.
6. **Poudel N**, Kavookjian J, Scalese M. Motivational Interviewing as a strategy to impact outcomes in heart failure patients: A systematic review. Abstract accepted for APhA annual meeting, Nashville, TN, March 2018.

C. Book Chapter

1. Ngorsuraches S, **Poudel N**. Multiple criteria decision analysis (MCDA) in ISPOR Book of Terms 2020. (*Under review*)

X. GRANT DEVELOPMENT

Currently working towards development of the grant for Predoctoral Fellowship in Health Outcomes Research for my thesis titled “*Studies on Expenditures, Prices, and Value of Disease-Modifying Antirheumatic Drugs*”

Grant amount: \$25,000 per year (as stipend for 12, 18 or 24 months)

Application status: Completed

Application deadline: February 1, 2021 @11:59 PM EST

Award notification: Not selected

XI. RELEVANT COURSES

2017-2020 **Ph.D., Auburn University, USA**

Core courses: Pharmaceutical Economics Outcome and Policy, Pharmacoepidemiology Methods & Applications, Social and Behavioral Theory in Health, Health service Delivery and Evaluation, Research Methods in Health Sciences

Statistics: Survival Analysis, Longitudinal Data Analysis, Regression Analysis, Experimental Statistics I, Experimental Statistics II, SAS Programing

Business Analytics: Predictive Modeling I, Predictive modeling II

Economics: Health Economics, Advanced Microeconomics

Other courses: Introduction to Grant Writing, Motivational Interviewing for Health Behavior

XII. SMALL GROUP MODERATOR

Invited Motivational Interviewing (MI) Training Facilitator

2020, 2019, 2018 and 2017

Invited as an MI-trained facilitator in the implementation of small group role-play skills development exercises with P1, P2 and P3 student trainees. Responsibilities included preparation activities for the case-based training activities, direct MI-based facilitation of student role play and positive feedback processes and helping educate students about optimal patient-communication skills to use in various health behavior change encounters within diverse disease management contexts and health promotion initiatives (e.g., smoking cessation).

XIII. PROFESSIONAL MEMBERSHIP

2017-2020	General member, International Society for Pharmacoeconomics and Outcomes Research (ISPOR)
2014-2019	General Member, International Pharmaceutical Federation (FIP)
2012-2020	Life Member, Nepal Pharmacy Council (NPC)
2012-2020	Life member, Nepal Pharmaceutical Association (NPA)
2017-2018	General Member, American Pharmacists Association (APhA)

Conferences attended

1. 2019, Center for Clinical and Translational Science Translational Training Symposium, Nov 15-16, AL
2. 2019, This is research, Faculty Symposium, October 4
3. 2019, This is research, Student Symposium, Auburn University, April 9
4. 2018, Southern Pharmacy Administration Conference, Auburn University, June 7-9
5. 2018, International Society for Pharmacoeconomics and Outcomes Research, May 19-23
6. 2018, This is research, Student Symposium, Auburn University, March 26
7. 2018, American Pharmacists Association (APhA), Nashville, March 16-19
8. 2017, This is research. Faculty Symposium, Auburn University, September 22
9. 2010, Participant, NPSA-NPSS workshop on "Paradigm Shift in the Pharmacy Profession," DoP, Maharajgung, March 12
10. 2009, Participant, Leaders in Training (LIT) organized by NPSA-PUSPA, March 1-3
11. 2009, Participant, NPSA-PUSPA National Symposium on "Professional Competency for Professionalism: Collaborative approach for better therapeutic Outcome," NPSA-PUSPA, Pokhara; March (4-6)

XIV. ADDITIONAL SKILLS

- Leadership Skills
 - Served in a role of graduate programs committee member to communicate students concern to the department and the graduate student council.
 - Served as a peer mentor to assist new PhD students (Mr. Bidur Banjara, Ms. Ritu Tushar Shah, Mr. Tim Lai) in Health Outcomes Research and Policy (HORP) at Auburn university to navigating through the initial stage of the Ph.D. program.
- Interpersonal skills/ Conference participations
 - Participated and presented in the major pharmaceutical conference like American Pharmacists Association (APhA) and International Society for Pharmacoeconomics and Outcomes Research (ISPOR) and engaged in professional development through networking.