

# Hyeun Ah Kang

**Ph.D., M.S., M.Ed., B.Pharm.**

500 W. University Ave. El Paso, TX 79968

## EDUCATION

---

Aug. 2013–May 2019	<b>Ph.D. in Health Outcomes</b> <i>The University of Texas at Austin, College of Pharmacy</i>	Austin, TX
Aug. 2016–Dec. 2017	<b>M.Ed. in Quantitative Methods</b> <i>The University of Texas at Austin, College of Education</i>	Austin, TX
Mar. 2009–Feb. 2011	<b>M.S. in Pharmacy</b> <i>Sookmyung Women’s University, College of Pharmacy</i>	Seoul, Korea
Mar. 2004–Feb. 2009	<b>B.Pharm</b> <i>Sookmyung Women’s University, College of Pharmacy</i>	Seoul, Korea

## WORK EXPERIENCE

---

Aug. 2019–present	<b>The University of Texas at El Paso</b> <i>Assistant Professor, School of Pharmacy</i>	El Paso, TX
July 2018–May 2019	<b>The University of Texas at Austin</b> <i>Graduate Research Assistant</i>	Austin, TX
Sep. 2017–Aug. 2018	<b>The University of Texas at Austin</b> <i>Graduate Teaching Assistant</i>	Austin, TX
June 2017–Sep. 2017	<b>Amgen</b> <i>Graduate Intern, Global Health Economics (GHE)</i>	Thousand Oaks, CA
June 2016–May 2017	<b>The University of Texas at Austin</b> <i>Graduate Research Assistant</i>	Austin, TX
Aug. 2013–May 2016	<b>The University of Texas at Austin</b> <i>Graduate Teaching Assistant</i>	Austin, TX
Apr. 2011–July 2013	<b>Health Insurance Review &amp; Assessment Service (HIRA)</b> <i>Researcher, Pharmaceutical Policy &amp; Administrative Research Team</i>	Seoul, Korea
Mar. 2011	<b>Bayer Korea Ltd.</b> <i>Intern, Pricing &amp; Reimbursement Team</i>	Seoul, Korea
Sep. 2010–Feb. 2011	<b>Sookmyung Women’s University</b> <i>Teaching Assistant</i>	Seoul, Korea
Mar. 2010–Feb. 2011	<b>Korean Academy of Managed Care Pharmacy</b> <i>Executive Secretary, Editorial Division</i>	Seoul, Korea
Dec. 2009–Feb. 2011	<b>Drug Information Research Institute</b> <i>Assistant Researcher, Drug Utilization Review Management Team</i>	Seoul, Korea
Sep. 2009–Dec. 2009	<b>Pfizer Pharmaceuticals Korea Ltd.</b> <i>Medical Information Associate, Medical Division</i>	Seoul, Korea
Apr. 2009–Nov. 2009	<b>Community Pharmacy (Onnuri Medical)</b> <i>Part-time Pharmacist</i>	Gyeonggi, Korea
Mar. 2009–Aug. 2009	<b>Janssen Korea Ltd.</b> <i>Medical Information Associate, Benefit Risk Management, Medical Division</i>	Seoul, Korea

Aug. 2008	<b>Handok Pharmaceuticals Co., Ltd.</b> <i>Student Pharmacist Intern</i>	Seoul, Korea
June 2006-July 2006	<b>CHA Gangnam Medical Center</b> <i>Student Pharmacist Intern, Department of Pharmacy</i>	Seoul, Korea

## PEER REVIEWED PUBLICATIONS

---

- 2020 **Kang HA**, Barner JC. The association between hydroxyurea adherence and opioid utilization among Texas Medicaid enrollees with sickle cell disease. *Journal of Managed Care & Specialty Pharmacy*, 2020, 26(11):1412-1422.
- 2020 **Kang HA**, Barner JC, Richards K, Bhor M, Paulose J, Kutlar A. Association between vaso-occlusive crises and opioid prescriptions among patients with sickle cell disease: A retrospective claims-based study. *Journal of Health Economics and Outcomes Research*, 2020, 7(1):94-101.
- 2019 Macias M, Chang J, Riley E, Park C, **Kang HA**. Associations between the presence of type 2 diabetes and Health-Related Quality of Life (HRQoL) among U.S. Hispanic population. *Archives of Clinical and Biomedical Research*, 2019, 3(6):408-421.
- 2017 Barner JC, Petrilla AA, **Kang HA**, Shen X, Alshehri AM, Sullivan E, Troeger KA, Richards KM, and Blackwell SC. Fetal fibronectin testing and pregnancy outcomes among Texas Medicaid patients at risk for preterm birth. *The American Journal of Managed Care*, 2017,23(19 Suppl):S363-S370.
- 2017 **Kang HA** and Barner JC. The relationship between out-of-pocket healthcare expenditures and insurance status among individuals with chronic obstructive pulmonary disease. *Journal of Pharmaceutical Health Services Research*, 2017,8(2):107-113.
- 2016 **Kang HA**, Lee S, Park C, and Kim DS. Prevalence and predictors of non-steroidal anti-inflammatory drug/analgesic therapeutic duplication in the South Korean ambulatory care setting. *European Journal of Clinical Pharmacology*, 2016,72(1):109-116.
- 2015 Yu SY, Cho H, **Kang HA**, and Kim S. A study on the policy implication on the management of narcotics distribution for medical use. *Korean Journal of Clinical Pharmacy*, 2015, 25(4):280-285.
- 2015 Kim DS, Je NK, Kim GJ, **Kang HA**, Kim YJ, and Lee S. Therapeutic duplicate prescribing in Korean ambulatory care settings using the National Health Insurance claim data. *International Journal of Clinical Pharmacy*, 2015,37(1):76-85.
- 2011 **Kang HA**, Kim HS, Oh CH, and Shin HT. Evaluation of the sensitivity and specificity of national DUR Program: Focused on drug-drug interaction. *Journal of Korean Academy of Managed Care Pharmacy*, 2011, 3(1):16-22.

## PODIUM PRESENTATIONS

---

- Apr. 2019 **Kang HA**, Barner JC, Rascati KL, Lawson KA, and Mignacca RC, "Association between hydroxyurea medication adherence and healthcare expenditures (both all cause and disease-related) among Texas Medicaid enrollees with sickle cell disease," 15th Annual Louis C. Littlefield Celebrating Pharmacy Research Excellence Day, The University of Texas at Austin, Austin, TX (**Abstract Award Winner—Graduate Program**)
- June 2018 **Kang HA**, Barner JC, Rascati KL, Lawson KA, and Mignacca RC, "Association between hydroxyurea medication adherence and vaso-occlusive crisis events among Texas Medicaid enrollees with sickle cell disease," Southern Pharmacy Administration Conference 2018, Auburn, AL (**1<sup>st</sup> Place Podium Presentation**)

- Oct. 2017 **Kang HA** and Barner JC, "Pain medication (opioid and non-opioid) use among Texas Medicaid enrollees with sickle cell disease," Western Pharmacoeconomics & Outcomes Research Conference 2017, Albuquerque, NM
- Dec. 2012 **Kang HA**, Je NK, Lee S, and Kim DS, "Development of therapeutic duplication criteria for national drug utilization review," Korean Academy of Social & Managed Care Pharmacy, Seoul, Korea

## POSTER PRESENTATIONS

---

- Dec. 2019 Jalld S, Ho CA, Petersen G, Peralta DP, and **Kang HA**, "Procalcitonin algorithm adherence for antibiotic deprescribing in influenza positive patients" at the 2019 American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, Las Vegas, NV
- May 2019 **Kang HA**, Barner JC, Rascati KL, Lawson KA, and Mignacca RC, "Association between hydroxyurea medication adherence and all cause and disease-related healthcare expenditures among Texas Medicaid enrollees with sickle cell disease" at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 24<sup>th</sup> Annual International Meeting, New Orleans, LA (**Best Student Poster Research Presentation Award**)
- May 2019 Barner JC, **Kang HA**, Richards K, Bhor M, Paulose J, Kutlar A, "Association between vaso-occlusive crises and opioid use among Texas Medicaid recipients with sickle cell disease" at the ISPOR 24<sup>th</sup> Annual International Meeting, New Orleans, LA
- Mar. 2019 Barner JC, **Kang HA**, Richards K, Bhor M, Paulose J. "Association between hydroxyurea adherence and persistence and vaso-occlusive crises among Texas Medicaid recipients with sickle cell disease" at the Academy of Managed Care & Specialty Pharmacy (AMCP) 2019 Annual Meeting, San Diego, CA
- Mar. 2019 **Kang HA** and Barner JC, "Hydroxyurea medication adherence and opioid use among Texas Medicaid enrollees with sickle cell disease" at the American Pharmacists Association (APhA) 2019 Annual Meeting and Exposition, Seattle, WA (**APhA - Academy of Pharmaceutical Research and Science Presentation Award Presentation Award**)
- Dec. 2018 Shrestha S, **Kang HA**, Temple H, and Rascati KL, "Effect of a video self-review activity on self-efficacy and perceived stress in a sterile compounding course" at the 2018 American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, Anaheim, CA
- June 2018 **Kang HA**, Moffett BS, and Barner JC "Evaluation of the Risk of Stroke in Relation to the Use of 5-HT Agonist among Sickle Cell Disease Patients," Southern Pharmacy Administration Conference, Auburn, AL (**1<sup>st</sup> Place Poster Presentation co-winner**)
- May 2018 **Kang HA**, Barner JC, Rascati KL, Lawson KA, and Mignacca RC, "Association between hydroxyurea medication adherence and vaso-occlusive crisis events among Texas Medicaid enrollees with sickle cell disease" at the ISPOR 23<sup>rd</sup> Annual International Meeting, Baltimore, MD (**Best Student Poster Research Presentation Award**)
- Apr. 2018 **Kang HA**, Moffett BS, and Barner JC, "Evaluation of the risk of stroke in relation to the use of 5-HT agonist among sickle cell disease patients" at the AMCP 2018 Annual Meeting, Boston, MA
- Apr. 2018 Marshall LZ, Hill TM, Nduaguba SO, **Kang HA**, Wilson JP, "Factors associated with opioid prescribing after outpatient surgical procedures in Medicaid-eligible youth" at the 14th Annual Louis C. Littlefield Celebrating Pharmacy Research Excellence Day, Austin, TX
- May 2017 **Kang HA** and Barner JC, "Pain medication (opioid and non-opioid) use among Texas Medicaid enrollees with sickle cell disease" at the ISPOR 22nd Annual International Meeting, Boston, MA (**Top 10% Research Poster Presentation**)
- May 2016 **Kang HA**, Makhinova T, Ogunsanya O, Ma X, and Lawson KA, "Economic burden attributable to obesity in adult patients with Rheumatoid Arthritis (RA) in the US" at the ISPOR 21st Annual International Meeting, Washington, D.C.
- May 2015 **Kang HA**, Barner JC, "Out-of-pocket healthcare expenditures among patients with chronic obstructive

- pulmonary disease” at the ISPOR 20th Annual International Meeting, Philadelphia, PA
- July 2012 **Kang HA**, Park C, and Jang S, “Nationwide survey of patients’ attitudes toward low price medicine” at the ISPOR 17th Annual International Meeting, Washington, D.C.
- July 2012 **Kang HA**, Shon HS, and Shin HT, “Development of drug interaction screening module on computerized drug utilization review program” at the 12th Asian Conference on Clinical Pharmacy, Hong Kong
- Apr. 2012 **Kang HA**, Park C, Jang S, and Bae EY, “Does the differential copayment scheme reduce patients’ financial burden of prescription drug costs effectively and equally?” at the 2012 International Congress of Korean Federation of Pharmaceutical Societies (ICKFPS), Jeju, Korea
- Apr. 2012 Bae G, **Kang HA**, Yu SY, and Bae S, “Similar or not: Economic evaluation and reimbursement decision of four countries (Australia, Britain, Canada, and Korea)” at the 2012 ICKFPS, Jeju, Korea
- Apr. 2012 Bae S, **Kang HA**, Kim S, Lee BK, and Lee SO, “Over-prescription or not? How long should it be?” at the 2012 ICKFPS, Jeju, Korea
- Nov. 2011 **Kang HA**, Je NK, Lee S, and Kim DS, “Development of therapeutic duplication criteria for drug utilization review: Focused on drugs for acid-related disorders, antilipidemic agents, antihypertensives, and antibiotics” at the 2011 ICKFPS, Songdo, Korea

## AWARDS

---

- May 2019 **Best Student Poster Research Presentation and Top 10% Research Poster Presentation**  
ISPOR 24th Annual International Meeting, New Orleans, LA
- May 2019 **TxCORE Outstanding Graduate Student Award co-winner**  
Texas Center for Health Outcomes Research and Education, The University of Texas at Austin, Austin, TX
- Apr. 2019 **Abstract Award Winner, Graduate Program**  
College of Pharmacy, The University of Texas at Austin, Austin, TX
- Mar. 2019 **2019 American Pharmacists Association (APhA)-Academy of Pharmaceutical Research and Science (APRS) Presentation Award in the APhA-APRS Contributed Research Paper - Graduate Student/Fellow/Postdoctoral Scholar category**  
APhA 2019 Annual Meeting and Exposition, Seattle, WA
- Feb. 2019 **Professional Development Award**  
The University of Texas at Austin, Austin, TX
- June 2018 **1<sup>st</sup> Place Podium Presentation**  
Southern Pharmacy Administration Conference, Auburn, AL
- June 2018 **1<sup>st</sup> Place Poster Presentation co-winner**  
Southern Pharmacy Administration Conference, Auburn, AL
- May 2018 **Best Student Poster Research Presentation and Top 10% Research Poster Presentation**  
ISPOR 23rd Annual International Meeting, Baltimore, MD
- May 2017 **Top 10% Research Poster Presentation**  
ISPOR 22nd Annual International Meeting, Boston, MA
- Mar. 2017 **Professional Development Award**  
The University of Texas at Austin, Austin, TX

## RESEARCH SUPPORTS

---

1. Role: Primary Investigator (PI)

Project Title: Unintended consequences of the 2016 CDC Guideline for sickle cell disease patients

Funder: American Association of Colleges of Pharmacy (New Investigator Award)

Amount: \$8,750

Dates: 03/2020-02/2021

2. Role: Co-PI

Project Title: Capacity Building Research Collaborations for a Restrictive Access Micro-Data Center

Funder: The University of Texas at El Paso

Amount: \$11,000

PI: Cristina Morales; Co-PIs: Hyeun Ah Kang, Danielle Morales, Gregory S. Schober, and Emre Umucu

Dates: 05/2020-05/2021

3. Role: Co-PI

Project title: Rural Health Interdisciplinary Research Core

Funder: The University of Texas at El Paso

Amount: \$20,000

PI: Thenral Mangadu; Co-PIs: Ogechika Alozie, Adrian Billings, Ramana Chintalapalle, Bharathi Gadad, Shrikanth Gadad, Hyeun Ah Kang, Manuel Llano, Adriana C Luevanos, Nathaniel Robinson, Rachel Sonne, Steven T. Varela

Dates: 06/2020-05/2021

## FELLOWSHIPS/SCHOLARSHIPS

---

2019	<b>Graduate School Dissertation Writing Fellowship</b> The University of Texas at Austin, Austin, TX
2017–2018	<b>Johnson &amp; Johnson Graduate Fellowship</b> The University of Texas at Austin, Austin, TX
2016–2017	<b>American Pharmacies Fellowship in Independent Pharmacy Management</b> The University of Texas at Austin, Austin, TX
2014–2016	<b>College of Pharmacy Fellowship</b> The University of Texas at Austin, Austin, TX
2006, 2008	<b>Honors Scholarship</b> Sookmyung Women's University, Seoul, Korea

## TEACHING EXPERIENCE

---

Aug. 2019-present	<b>Course development and instruction at The University of Texas at El Paso</b> <ul style="list-style-type: none"><li>• Economic Clinical Humanistic Outcomes (ECHO) / Law IIIA<ul style="list-style-type: none"><li>○ Fall 2019, Fall 2020</li><li>○ Developed as a new course</li><li>○ Delivered lectures to third-year Pharm.D. students on basic principles of Pharmacoeconomics (PE) and relevant article critique. Subtopics include: Introduction to PE, Costs, Assessing PE articles, Cost-Minimization Analysis, Cost-Effectiveness Analysis, Cost-Utility Analysis, Cost-Benefit Analysis, and Health-Related Quality of Life</li><li>○ 3 credit hours/40 students in Fall 2019, 51 students in Fall 2020</li></ul></li></ul>
-------------------	--

- Health Service Administration
  - Spring 2020, Spring 2021
  - Developed as a new course
  - Delivered lectures to third-year Pharm.D. students on U.S. health care system, pharmacists' roles in different health care settings (hospitals, pharmaceutical industry, long-term care, and community pharmacies), general concepts of health insurance, managed care, Medicare, and Medicaid
  - 2 credit hours/40 students in Fall 2019, 51 students in Fall 2020

Sep. 18<sup>th</sup>, 2018

**Lecture at The University of Texas at Austin**

- U.S. Health Care System
  - Fall 2018
  - Delivered a lecture to second-year Pharm.D. students on pharmaceutical industry. Subtopics include: unique aspects of pharmaceutical industry, FDA roles in drug regulation, small molecule chemical drug vs. biologics, drug development process, direct-to-consumer (DTC) advertising, and career opportunities for pharmacist in the pharmaceutical industry. Pedagogical techniques used include: think/pair/share, videos, Kahoot, brief case studies, and lecture.
  - 1hr 15 minutes/120 students

Jan. 2014–Aug. 2018

**Graduate Teaching Assistant at The University of Texas at Austin**

*Courses*

- Drug Information and Evidence-Based Practice Lab
  - Fall 2017
  - Demonstrated and facilitated second-year Pharm.D. students' practice on drug information retrieval and interpretation. Specific skills taught include: searching for evidence systematically using the most appropriate resources (i.e., tertiary, secondary, and primary), interpreting information from resources, Medline search, observational and experimental study critique.
  - Two sections with 30 students each
- Personnel Management and Patient Behavior Lab
  - Spring 2014, Spring 2015, Spring 2016
  - Gave an opening lecture and guided first-year Pharm.D. students in discussion/group activities regarding variety of topics related to pharmacy practice. Topics include: ethics, rationing healthcare, communication, social determinants of health, medication errors, cultural diversity, time management, and healthcare reform.
  - Two sections with 15 students each
- Basic Intravenous Admixture Lab
  - Summer 2014, Fall 2014, Summer 2015, Fall 2015, Summer 2018
  - Guided Pharm.D. students in preparing IV medications

**SERVICE**

---

2020-present

Peer reviewer of the Academy of Managed Care Pharmacy (AMCP) conference abstracts

2020-present

Peer reviewer of the International Society for Pharmacoeconomics and Outcomes Research

	(ISPOR) conference abstracts
Aug. 2020-present	Vice-Chair at the Student Excellence Team, The University of Texas at El Paso School of Pharmacy
Aug. 2019-present	Member at the Assessment Committee member, The University of Texas at El Paso School of Pharmacy
Aug. 2019-July 2020	Vice-Chair-elect at the Student Excellence Team, The University of Texas at El Paso School of Pharmacy
2018-present	Peer reviewer of the <i>Journal of Managed Care and Specialty Pharmacy (JMCP)</i>
2016-present	Peer reviewer of the <i>Medicine</i> <sup>®</sup>

## PROFESSIONAL LICENSURE

---

2009–present	Licensed Pharmacist, Ministry of Health and Welfare, Korea
--------------	--

## PROFESSIONAL MEMBERSHIPS

---

Aug. 2019–present	American Association of Colleges of Pharmacy (AACP)
Jan. 2019–present	American Pharmacists Association (APhA)
Feb. 2018–present	Academy of Managed Care Pharmacy (AMCP)
Feb. 2017–Jan. 2018	American Association of Pharmaceutical Scientists (AAPS)
Sep. 2013–present	International Society for Pharmacoeconomics and Outcomes Research (ISPOR)
Apr. 2011–Mar. 2014	The Korea Society of Health Policy and Administration
Apr. 2011–Mar. 2014	The Korea Association of Health Technology Assessment
Feb. 2009–Jan. 2014	Pharmaceutical Society of Korea
Feb. 2009–Jan. 2014	Korean Academic of Social & Managed Care Pharmacy

## ACTIVITIES/TRAINING

---

2019	Textbook contribution- <i>Essentials of Pharmacoeconomics</i> by Karen L. Rascati <ul style="list-style-type: none"> <li>○ Chapter 6- Composite Article 1: CUA - Oncology</li> </ul>
Sep.2018	Grant-wirting workshop “Write Winning Grant Proposals“ sponsored by the University of Texas at Austin (UT)
Mar., Apr. 2018	Responsible Conduct of Research Training Workshop (2 sessions, 4 hrs/session), UT Office of Research Support and Compliance
Mar. 2018	Inclusive Classrooms Leadership Certificate, UT Division of Diversity and Community Engagement and The Graduate School
Feb. 2018	Opening Doors to Teaching Large Classes, UT Faculty Innovation Center
Feb. 2018–May 2018	International Teaching Assistance (ITA)/Untergraduate Teaching Ambassadors (UTA) Connect, UT Faculty Innovation Center
Aug. 2016–May 2017	Pharmacy Council Representative, UT ISPOR
May 2014, 2016	ISPOR Student Research Competition
Sep. 2014–Dec.2014	Math tutoring for 8th grade students at Burnet Middle School in Austin, TX
Sep. 2012	Data Analyses using SAS, SAS Korea
Aug. 2012	Epidemiology Research Methods using SPSS, Korea Society of Epidemiology
July 2012	Pharmacoeconomics Intermediate course, Seoul National University
Jan. 2012	Evidence-Based Reference Searching Training, Health Insurance Review & Assessment Service (HIRA)

- Dec. 2011 Introduction to Data Analysis using SAS, SAS Korea
- May 2010–June 2010 Textbook Translation–*Managed Care Pharmacy*
- Chapter 3: Pharmacoeconomic Research and Applications in Managed Care
  - Chapter 7: Managed Care Pharmacy Information Systems
- Mar. 2005–present Sogum–medical service volunteer group

## **SKILLS**

---

Proficient in SAS, STATA, SPSS, R statistical packages, Microsoft Word, Excel, PowerPoint, Outlook, and Teams, Blackboard including Collaborate Ultra (online class platform), Canvas, and Zoom