

# Patrick J. Squires

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## EDUCATION

<b>University of Florida College of Pharmacy</b>	Gainesville, FL	Anticipated December 2021
Doctor of Philosophy (PhD) in Pharmaceutical Sciences		
Concentration: Pharmaceutical Outcomes & Policy		
Specialization: Pharmacoepidemiology		
<b>University of Pittsburgh School of Pharmacy</b>	Pittsburgh, PA	May 2017
Doctor of Pharmacy (PharmD)		
Concentration: Research		
<b>Goucher College</b>	Baltimore, MD	May 2013
Bachelor of Arts: Biological Sciences		

## CERTIFICATIONS AND LICENSES

- *Florida Pharmacist License* August 2017  
License #: 56701, Florida Board of Pharmacy
- *CPR and AED Certification* February 2016  
American Heart Association
- *Pharmacy-Based Immunization Delivery* October 2015  
American Pharmacists Association (APhA)
- *Pharmacy Intern License* December 2014  
Registration #: PII18836, Pennsylvania Board of Pharmacy
- *Protecting Human Research Participants* February 2012  
Certification #: 937447, NIH Office of Extramural Research

## HONORS & AWARDS

- *International Society for Pharmacoepidemiology (ISPE) Mid-Year Scholarship*, International Society for Pharmacoepidemiology February 2019
- *International Society for Pharmacoepidemiology (ISPE) Mid-Year Scholarship*, International Society for Pharmacoepidemiology February 2020
- *Graduate School Fellowship*, University of Florida Graduate School, Gainesville, FL August 2017
- *Travel Grant*, Graduate & Professional Student Government at the University of Pittsburgh, Pittsburgh, PA July 2016
- *Young Investigator Award*, International Gastrointestinal Electrophysiology Society (iGES) at Digestive Disease Week, San Diego, CA May 2016
- *Stimpson-Duvall Fellowship*, Goucher College, Baltimore, MD May 2013
- *Global Citizen Scholarship*, Goucher College, Baltimore, MD August 2009

## PROFESSIONAL WORK EXPERIENCE

*Staff Pharmacist, Inpatient Adult Medicine Team* October 2017 – Present  
**University of Florida Health (UF Health) Shands Hospital, Gainesville, FL**

- Adheres to all regulatory requirements, professional standards of practice, and hospital quality management policies and procedures in providing pharmaceutical care.
- Interprets and evaluates physician orders to prepare, calculate, and dispense appropriate medication dosage forms for inpatient and outpatient treatment in accordance with the Florida Board of Pharmacy, Federal Drug Laws, and UF Health policies and procedures.
- Monitors for drug therapy for contraindications, drug-drug, drug-food interactions, duplication of drug therapy, allergies, appropriateness of drug, dose and interval of administration.
- Identifies and reports suspected adverse drug reactions accurately and in a timely manner. Sustains the formulary by minimizing non-formulary procurements, utilizing therapeutic interchange protocols, and promoting rational drug therapy selection.
- Prepares and dispenses intravenous admixture solutions including chemotherapy, total parenteral nutrition units, using aseptic technique in compliance with 797 standards.
- Organizes daily operational duties and assist in the supervision of pharmacy technicians, pharmacy aides, student interns and other ancillary personnel involved in providing pharmaceutical care.
- Audits and maintains accurate records for all controlled substances. Assures that all controlled substances are stored and dispensed in compliance with Federal, State, and Departmental regulations.
- Utilizes all available technologies in the provision of pharmaceutical care (i.e., computer systems and databases, EPIC, Omnicell, Carousel, and pneumatic tube system, etc).

*Graduate Student Teaching Assistant (PharmD Clinical Skills)* August 2017 – Present  
**University of Florida College of Pharmacy, Department of Pharmacotherapy and Translational Research, Gainesville, FL**

- Actively supports in the teaching, discussion, and evaluation of PharmD students within all PharmD student levels (I, II, III, IV) of professional practice skills laboratory settings.
- Evaluates and aids student pharmacists in various projected pharmacist duties including: utilizing an electronic medical record to collect relevant information for a specific patient and disease state to assess appropriateness of drug therapy; Perform a medication history interview; Perform medication reconciliation for a hospitalized patient; Communicate with other healthcare professionals verbally; Follow an evidence-based disease management protocol; Develop a treatment plan with patient; Selecting monitoring parameters to determine the therapeutic and adverse effects related to the treatment plan; Apply cost-benefit, formulary, and/or epidemiology principles to medication related decisions; Educate a patient regarding the appropriate use of a new medication, device to administer a medication, or self-monitoring test; Document patient care recommendations and interventions; and many other pharmaceutical care skills.

*Assistant Researcher, Without Compensation (WOC)* December 2015 – June 2017  
**U.S. Department of Veterans Affairs (VA), VA Pittsburgh Healthcare System, Center for Health Equity Research and Promotion (CHERP), Pittsburgh, PA**

- Collaborate with a network of researchers investigating the effects of dual use of VA/Medicare Part D drug benefit programs and subsequent deleterious outcomes in veterans with dementia.
- Develop research questions, analyze clinical and administrative healthcare data, and interpret results in a population of veterans with dementia.
- Prepare presentations and publications summarizing research results.

*Pharmacy Intern* December 2014 – June 2017

**Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA**

- Pediatric compounding including preparation of numerous oral medications, creams, ointments, IV admixtures, narcotics, and total parenteral nutrition (TPN).
- Unit dose packaging, automated dispensing cabinet refilling (Pyxis), inspection of medication inventory.
- Extensive work with the investigational drug service including maintaining protocols, randomization, blinding, destruction, and accountabilities.

*Assistant Researcher, Gastroenterological Outcomes* February 2012 – Present  
**Heartburn & Reflux Study Center, Baltimore, MD**

- Collaborate with a network of doctors, pharmacists, and nurses in the U.S. and abroad to draft, analyze, submit, and present publications regarding patient outcomes of gastroesophageal reflux disease management.
- Supervise interns and junior researchers on basic statistical analysis and data extraction techniques of various research projects.
- Create medical protocol and case report forms for submission to institutional review boards for new surgical and medicinal comparative effectiveness clinical trials.
- Develop presentations for international meetings as well as seeking payment for Stretta at Blue Cross/Blue Shield and National Institute for Health & Clinical Excellence (NICE).
- Provide follow-up with patients regarding current GERD related quality-of-life and medication use using validated questionnaires.
- Compile literature documentation for insurance and institutional cost-benefit analysis.
- Analyze pathologies, medical charts, and brief experience as medical lab technician.

## **PUBLICATIONS**

### **Peer-reviewed Articles, Published or In Press:**

1. **Squires PJ, Pahor M, Manini TM, Brown JD.** Effect of Gastric Acid Suppressants on Response to a Physical Activity Intervention and Major Mobility Disability in Older Adults: Results from the Lifestyle Interventions for Elders (LIFE) Study. *Pharmacotherapy.* 2019;39(8):816-826.

2. Noar M, **Squires P**, Khan S. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Gastroesophageal Reflux Patient Reported Outcomes in Failed Laparoscopic Nissen Fundoplication Cohort. *Surgical Endoscopy*. 2017;31(7):2854-2862.
3. Noar M, **Squires P**. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter: Toward a Precise Understanding of Stretta Technology. *Clinical Gastroenterology and Hepatology*. 2015;13(2):406-407.
4. Noar M, **Squires P**, Noar E, Lee M. Long-term maintenance effect of radiofrequency energy delivery for refractory GERD: a decade later. *Surgical Endoscopy*. 2014;28(8):2323-33.

## ABSTRACTS AND SCIENTIFIC PRESENTATIONS

### Oral Presentations

*\*Presentations for which I was presenting author*

1. **Squires P**, Pahor M, Manini T, Brown J. Effect of Gastric Acid Suppressants on Response to a Physical Activity Intervention and Major Mobility Disability in Older Adults: Results from the Lifestyle Interventions for Elders (LIFE) Study. Oral podium presentation at International Conference on Frailty and Sarcopenia (ICFSR), Miami, FL, February 2019.
2. **\*Squires P**, Brown J. The effect of proton pump inhibitors on major mobility disability in older adults. Oral presentation at University of Florida Department of Pharmaceutical Outcomes and Policy Seminar, Gainesville, FL, September 2018.
3. **\*Squires P**, Noar M. Electrogastrography Determines Subtypes of Gastroparesis Responsive to Pyloric Balloon Dilation: Functional Gastric Outlet Obstruction. Oral presentation at International Gastrointestinal Society, San Diego, CA, May 2016.
4. **\*Squires P**. Baclofen for the treatment of proton pump inhibitor refractory gastroesophageal reflux disease. Oral presentation for PharmD Seminar at the University of Pittsburgh School of Pharmacy, Pittsburgh, PA, February, 2016.
5. **\*Noar M, Squires P**, Noar E, Lee M. Sustained Improvement in GERD-HRQL, Patient Satisfaction, and Anti-Secretory Drug Use 10-years after Stretta for Medically Refractory GERD. Oral presentation at Goucher College, Baltimore, MD, May, 2013.

### Poster Presentations

*\*Presentations for which I was presenting author*

1. **\*Squires P**, Pahor M, Manini TM, Vouri, S, JD Brown. Impact of anticholinergic medication burden on mobility and falls in the LIFE Study. Poster presentation accepted and to be presented at the International Society for Pharmacoepidemiology (ISPE) Mid-Year Meeting, Orlando, Florida, April 2020.

2. Song HJ, **Squires P**, Wilson D, Lo-Ciganic W, Cook R, Park H. Uptake of Pre-Exposure Prophylaxis (PrEP) and Type of Providers Among Commercially Insured Persons In The United States. Poster presentation accepted and to be presented at International Society of Pharmacoeconomics and Outcomes Research (ISPOR), Orlando, FL, May 2020.
3. Spargo A, Yost C, **Squires P**, Raju A, Schroader B, Brown J. The Impact of Oral Oncolytic Parity Laws on Adherence and Out-Of-Pocket Spending In Chronic Myeloid Leukemia. Poster presentation accepted and to be presented at International Society of Pharmacoeconomics and Outcomes Research (ISPOR), Orlando, FL, May 2020.
4. Goodin AJ, **Squires P**, Henriksen C, Jugl S, Winterstein A, and JD Brown. Prevalence of Prescription Contraceptives Following the Affordable Care Act Contraception Coverage Mandate in a Commercially Insured Population. Poster presented at AcademyHealth Washington, DC, June 2019.
5. \***Squires P**, Pahor M, Manini T, Brown J. Effect of Gastric Acid Suppressants on Response to a Physical Activity Intervention and Major Mobility Disability in Older Adults: Results from the Lifestyle Interventions for Elders (LIFE) Study. Poster presentation at International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Mid-Year Meeting, Rome, Italy, April 2019.
6. \***Squires P**, Brown J. Effect of Proton Pump Inhibitors on Major Mobility Disability in Older Adults: Results from the Lifestyle Interventions for Elders (LIFE) Study. Poster presented at University of Florida Annual Graduate Diversity Research Symposium, Gainesville, FL, October 2018.
7. \***Squires P**, Thorpe J, Gellad, W, Hanlon J, Niznik J, Pleis J, Mor MK, Van Houtven C, Schleiden L, Thorpe C. Cholinesterase Inhibitors and Antimuscarinic Anticholinergics: A Prescribing Cascade in Older Veterans with Dementia. Poster presented at AcademyHealth, New Orleans, LA, June 2017.
8. \*Noar M, **Squires P**, Kahn S. Spontaneous Regression of Barrett's Mucosa Occurs Following Sphincter Targeted Endoluminal GERD Therapy. Poster presented at Digestive Disease Week, Chicago, IL, May 2017. *Gastroenterology*. 2017;85(5):AB590-AB591.
9. \*Noar M, **Squires P**, Kahn S. Sphincter Targeted Endoscopic Therapy for GERD Demonstrates Obesity Is Not a Factor in Response to Endoluminal Reflux Therapy. Poster presented at Digestive Disease Week, Chicago, IL, May 2017. *Gastroenterology*. 2017;85(5):AB593.
10. \*Noar M, **Squires P**, Kahn S. LPR and LPR-GERD Subtypes of Reflux Respond to Sphincter Targeted Endoluminal GERD Therapy. Poster presented at Digestive Disease Week, Chicago, IL, May 2017. *Gastroenterology*. 2017;85(5):AB594-AB595.

11. **Squires P**, Zhu J, Fedyshin M, Kane-Gill SL. Proton Pump Inhibitor Adjuvant Combinations for the Management of Typical and Extraesophageal Gastroesophageal Reflux Disease: A Systematic Review. Poster presented at American Society of Health System Pharmacists Meeting (ASHP), Las Vegas, NV, December 2016.
12. Noar M, **Squires P**. Gastric Myoelectrical Activity-Derived Threshold Predicts Resolution of Delayed Gastric Emptying and Symptom Outcome Improvement Following Pyloric Balloon Dilation in Subset of Gastroparesis. Poster presented at American Neurogastroenterology and Motility Society Conference, San Francisco, CA, August 2016.
13. \*Noar M, **Squires P**. Electrogastrography Determines Subtypes of Gastroparesis Responsive to Pyloric Balloon Dilation: Functional Gastric Outlet Obstruction. Poster presented at Digestive Disease Week, San Diego, CA, May 2016. *Gastroenterology*. 2016;150(4):S726.
14. \*Noar M, **Squires P**. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Patient Reported Outcomes Regardless of Body Mass Index. Poster presented at Digestive Disease Week, San Diego, CA, May 2016. *Gastroenterology*. 2016;150(4):S481-S482.
15. \*Noar M, **Squires P**. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Gastroesophageal Reflux Patient Reported Outcomes in Failed Laparoscopic Nissen Fundoplication Cohort. Poster presented at Digestive Disease Week, San Diego, CA, May 2016. *Gastroenterology*. 2016;150(4):S1248.
16. \*Noar M, **Squires P**. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Patient Reported Outcomes in Patients with Laryngopharyngeal Reflux Disease. Poster presented at Digestive Disease Week, San Diego, CA, May 2016. *Gastroenterology*. 2016;150(4):S481.
17. Noar M, **Squires P**, Noar E, Lee M. Sustained Improvement in GERD-HRQL, Patient Satisfaction, and Anti-Secretory Drug Use 10-years after Stretta for Medically Refractory GERD. Poster presented at Digestive Disease Week, Orlando, FL, May, 2013. *Gastroenterology*. 2013;5(144):S-1077.

## **ADDITIONAL RESEARCH PROJECT EXPERIENCE**

1. Trends in HIV pre-exposure prophylaxis (PrEP) use and prescribers among commercial insurers, United States; 2019; Advisor: Haesuk Park, PhD; Institution: University of Florida College of Pharmacy.
2. Impact of pre-exposure prophylaxis (PrEP) on incidence of HIV: A retrospective cohort study; 2019; Advisor: Haesuk Park, PhD; Institution: University of Florida College of Pharmacy.
3. The association between acid-suppressive agent use and the risk of cancer: a systematic review and meta-analysis; 2019; Advisor: Hyunjin Song, PhD; Institution: University of Florida College of Pharmacy.

4. Clinical and Economic Impact of Oral Oncolytic Parity Legislation in Patients with Chronic Myeloid Leukemia; 2019; Advisor: Joshua Brown, PharmD, PhD; Institution: University of Florida College of Pharmacy.
5. Impact of anticholinergic medication burden on mobility and falls in the LIFE Study; 2018-2019; Advisor: Joshua Brown, PharmD, PhD; Institution: University of Florida College of Pharmacy.
6. Systematic review of clinical guidelines and real-world utilization patterns of hormonal contraceptive use in women with seizure disorder among a commercially insured population; 2018-2019; Advisor: Amie Goodin, PhD; Institution: University of Florida College of Pharmacy.
7. Application of physiologically-based pharmacokinetic models to inform dosing recommendations for hormonal contraceptives co-administered with other medications: Developing qualitative pharmacological and pharmacoepidemiological evidence to inform treatment decisions for hormonal contraceptives and interacting medications; 2018-2019; Advisor: Joshua Brown, PharmD, PhD; Institution: University of Florida College of Pharmacy.
8. Effect of Proton Pump Inhibitors on Major Mobility Disability in Older Adults: Results from the Lifestyle Interventions for Elders (LIFE) Study; 2018; Advisor: Joshua Brown, PharmD, PhD; Institution: University of Florida College of Pharmacy.
9. Adherence and Persistence Patterns of Single-Tablet Regimens for Treatment Naïve Human Immunodeficiency Virus Infection; 2018; Advisor: Haesuk Park, PhD; Institution: University of Florida College of Pharmacy.
10. Cholinesterase Inhibitors and Antimuscarinic Anticholinergics: A Prescribing Cascade in Older Veterans with Dementia; 2017; Advisor: Carolyn Thorpe PhD, MPH; Institution: University of Pittsburgh School of Pharmacy.
11. Spontaneous Regression of Barrett's Mucosa Occurs Following Sphincter Targeted Endoluminal GERD Therapy; 2017; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
12. Sphincter Targeted Endoscopic Therapy for GERD Demonstrates Obesity Is Not a Factor in Response to Endoluminal Reflux Therapy; 2017; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
13. LPR and LPR-GERD Subtypes of Reflux Respond to Sphincter Targeted Endoluminal GERD Therapy; 2017; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
14. Modernization of HEOR modeling and demonstrating the value of web based interactive data platforms; 2016; Advisor: Benjamin Parcher, PharmD, MS; Institution: Xcenda.
15. Proton Pump Inhibitor Adjuvant Combinations for the Management of Typical and Extraesophageal Gastroesophageal Reflux Disease: A Systematic Review; 2016; Advisor: Sandra Kane-Gill, PharmD, MS; Institution: University of Pittsburgh School of Pharmacy and U.S. Department of Veterans Affairs (VA), VA Pittsburgh Healthcare System, Center for Health Equity Research and Promotion (CHERP).
16. Laparoscopic Nissen Fundoplication vs. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter vs. Proton Pump Inhibitors: A Cost-Effectiveness Markov Model Based Upon Ten-Year Outcomes; 2016; Advisor: Sandra Kane-Gill, PharmD, MS; Institution: University of Pittsburgh School of Pharmacy.

17. Gastric Myoelectrical Activity-Derived Threshold Predicts Resolution of Delayed Gastric Emptying and Symptom Outcome Improvement Following Pyloric Balloon Dilation in Subset of Gastroparesis; 2016; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
18. Electrogastrography Determines Subtypes of Gastroparesis Responsive to Pyloric Balloon Dilation: Functional Gastric Outlet Obstruction; 2016; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
19. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Patient Reported Outcomes Regardless of Body Mass Index; 2016; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
20. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Gastroesophageal Reflux Patient Reported Outcomes in Failed Laparoscopic Nissen Fundoplication Cohort; 2016; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
21. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Patient Reported Outcomes in Patients with Laryngopharyngeal Reflux Disease; 2016; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
22. Sustained Improvement in GERD-HRQL, Patient Satisfaction, and Anti-Secretory Drug Use 10-years after Stretta for Medically Refractory GERD; 2013; Advisor Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.
23. Effect of Radiofrequency Ablation on Gastric Dysrhythmias in Patients with Gastroesophageal Reflux Disease (GERD) and Functional Dyspepsia; 2013; Advisor: Mark Noar, MD, MPH; Institution: Heartburn & Reflux Study Center.

## ADVANCED PHARMACY PRACTICE EXPERIENCES

<i>Acute Care</i>	February—March 2017
<b>UPMC Shadyside Hospital, Pittsburgh, PA</b>	
<i>Institutional Practice</i>	January—February 2017
<b>UPMC McKeesport, Pittsburgh, PA</b>	
<i>Ambulatory Care Practice</i>	November—December 2016
<b>Pittsburgh Aids Center for Treatment (PACT), Pittsburgh, PA</b>	
Mentor: Thomas Glowa, PharmD	
<i>Health Economics and Outcomes Research Elective</i>	October—November 2016
<b>Xcenda, Palm Harbor, FL</b>	
<i>Community Pharmacy Practice</i>	July—August 2016
<b>University Pharmacy, Pittsburgh, PA</b>	
Mentor: Patrick Pugliese, PharmD	
<i>Ambulatory Care Practice</i>	June—July 2016
<b>Allegheny Health Network Positive Health Clinic, Pittsburgh PA</b>	
Mentor: Cindy Magrini, PharmD	
<i>Outcomes Research Elective</i>	May—June 2016
<b>University of Pittsburgh, School of Pharmacy / VA Pittsburgh Health System</b>	
Mentors: Dr. Sandra Kane-Gill, PharmD, MS; Carolyn Thorpe PhD, MPH	

## INTRODUCTORY PHARMACY PRACTICE EXPERIENCES

<b>Heritage Valley Sewickley Hospital</b> , Sewickley, PA Mentor: Susan Cuccaro, RPh	March 2016
<b>St. Mary Medical Center</b> , Langhorne, PA Mentor: Noha Eltoukhy, PharmD, BCPS	August 2015
<b>CVS (Pleasant Hills)</b> , Pittsburgh, PA Mentor: Robert Pope, RPh	Spring 2015
<b>Asbury Heights</b> , Pittsburgh PA Mentor: Cara Todhunter, MS	Fall 2013 – Spring 2014

## VOLUNTEERING & MEMBERSHIPS

<i>Member</i> , <b>International Society for Pharmacoepidemiology</b> , University of Florida Chapter, Gainesville, FL	August 2019 – Present
<i>Volunteer</i> , <b>Summer Undergraduate Research at Florida (SURF) Senior PhD Student Mentor</b> , Gainesville, FL	Summer 2019
<i>Member</i> , <b>International Society of Pharmacoeconomics and Outcomes Research (ISPOR)</b>	August 2018 – Present
<i>Volunteer</i> , <b>Family House University Place</b> , Pittsburgh, PA	August 2015 – May 2017
<i>Member</i> , <b>APhA-ASP</b> , University of Pittsburgh Chapter, PA	August 2013 – May 2017
<i>Member</i> , <b>Kappa Psi Pharmaceutical Fraternity</b> , Beta Kappa	August 2013 – May 2017
<i>Volunteer</i> , <b>Global Links</b> , Pittsburgh, PA	August 2013 – May 2017
<i>Volunteer</i> , <b>Downtown Sailing Center</b> , Baltimore, MD	May 2011 – August 2013
<i>Volunteer</i> , <b>St. Joseph's Hospital</b> , Baltimore, MD	May 2010 – August 2010
<i>Member</i> , <b>Goucher College Varsity Cross Country</b> , Baltimore, MD	Fall 2009