

# Patrick J. Squires

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## EDUCATION

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

## CERTIFICATIONS AND LICENSES

- *Florida Pharmacist License* August 2017  
License #: 56701, Florida Board of Pharmacy
- *CPR and AED Certification* February 2016  
American Heart Association
- *Collaborative Institutional Training Initiative (CITI)* December 2015  
VA Human Subjects Protection & Good Clinical Practices
- *Pharmacy-Based Immunization Delivery* October 2015  
American Pharmacists Association (APhA)
- *Pharmacy Intern License* December 2014  
Registration #: PI118836, Pennsylvania Board of Pharmacy
- *Protecting Human Research Participants* February 2012  
Certification #: 937447, NIH Office of Extramural Research

## HONORS & AWARDS

- *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

*Pharmacist, Inpatient Adult Medicine Team*

October 2017 – Present

**University of Florida Health (UF Health) Shands Hospital, Gainesville, FL**

- Adhere to all regulatory requirements, professional standards of practice, and hospital quality management policies and procedures in providing pharmaceutical care.
- Interpret and evaluate 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.
- Monitor for drug therapy for contraindications, drug-drug, drug-food interactions, duplication of drug therapy, allergies, appropriateness of drug, dose and interval of administration.
- Identify and report suspected adverse drug reactions accurately and in a timely manner. Sustain the formulary by minimizing non-formulary procurements, utilizing therapeutic interchange protocols, and promoting rational drug therapy selection.
- Prepare and dispense intravenous admixture solutions including chemotherapy, total parenteral nutrition units, using aseptic technique in compliance with 797 standards.
- Organize daily operational duties and assist in the supervision of pharmacy technicians, pharmacy aides, student interns and other ancillary personnel involved in providing pharmaceutical care.
- Audit and maintain accurate records for all controlled substances. Assure that all controlled substances are stored and dispensed in compliance with Federal, State, and Departmental regulations.
- Utilize 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; Presenting a succinct oral patient summary and therapeutic plan recommendations to another healthcare provider; 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. 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.
2. 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.

3. 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.

### **Current Research Projects at University of Florida:**

1. Drug-Drug Interactions with Hormonal Contraceptive Agents – Prevalence and real-world effects on unwanted pregnancy and VTE
2. Adherence of Novel Oral Anticoagulants for Stroke Prevention for Newly Diagnosed and Treatment-Naive Atrial Fibrillation Patients

### **External Peer-reviewed Articles, In Preparation:**

1. **Squires P**, Springer S, Niznik J, Thorpe J, Gellad W, Hanlon J, Mor M, Zhang S, Van Houtven C, Schleiden L, Carico R, Thorpe C. Cholinesterase Inhibitors and Antimuscarinic Anticholinergics: A Prescribing Cascade in Older Veterans with Dementia.
2. **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.
3. Noar M, **Squires P**, Kahn S. Electrogastrography Determines Subtypes of Gastroparesis Responsive to Pyloric Balloon Dilatation: Functional Gastric Outlet Obstruction.
4. Noar M, **Squires P**, Kahn S, Reynolds S. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Patient Reported Outcomes Regardless of Body Mass Index.
5. Noar M, **Squires P**, Kahn S, Reynolds S. Radiofrequency Energy Delivery to the Lower Esophageal Sphincter Improves Patient Reported Outcomes in Patients with Laryngopharyngeal Reflux Disease.

## **ABSTRACTS AND SCIENTIFIC PRESENTATIONS**

### **Oral Presentations**

*\*Presentations for which I was presenting author*

1. **\*Squires P**, Noar M. Electrogastrography Determines Subtypes of Gastroparesis Responsive to Pyloric Balloon Dilatation: Functional Gastric Outlet Obstruction. Oral presentation at International Gastrointestinal Society, San Diego, CA, May 2016.
2. **\*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.

3. \*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**, 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.
2. \*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.
3. \*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.
4. \*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.
5. **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.
6. 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.
7. \*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.
8. \*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.

9. \*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.
10. \*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.
11. 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.

## ADVANCED PHARMACY PRACTICE EXPERIENCES

<i>Acute Care</i>	February—March 2017
<b>UPMC Shadyside Hospital</b> , Pittsburgh, PA Mentor: Casey O'Brien, PharmD	
<i>Institutional Practice</i>	January—February 2017
<b>UPMC McKeesport</b> , Pittsburgh, PA Mentor: Robert Reynolds, PharmD	
<i>Ambulatory Care Practice</i>	November—December 2016
<b>Pittsburgh Aids Center for Treatment (PACT)</b> , Pittsburgh, PA Mentor: Thomas Glowa, PharmD	
<i>Health Economics and Outcomes Research Elective</i>	October—November 2016
<b>Xcenda</b> , Palm Harbor, FL Mentor: Benjamin Parcher, PharmD	
<i>Community Pharmacy Practice</i>	July—August 2016
<b>University Pharmacy</b> , Pittsburgh, PA Mentor: Patrick Pugliese, PharmD	
<i>Ambulatory Care Practice</i>	June—July 2016
<b>Allegheny Health Network Positive Health Clinic</b> , Pittsburgh PA 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

**CVS (Pleasant Hills)**, Pittsburgh, PA  
Mentor: Robert Pope, RPh  
**Asbury Heights**, Pittsburgh PA  
Mentor: Cara Todhunter, MS

Spring 2015

Fall 2013 – Spring 2014

## **VOLUNTEERING & MEMBERSHIPS**

*Volunteer*, **Family House University Place**, Pittsburgh, PA  
*Member*, **APhA-ASP**, University of Pittsburgh Chapter, PA  
*Member*, **Kappa Psi Pharmaceutical Fraternity**, Beta Kappa  
*Volunteer*, **Global Links**, Pittsburgh, PA  
*Volunteer*, **Downtown Sailing Center**, Baltimore, MD  
*Volunteer*, **St. Joseph's Hospital**, Baltimore, MD  
*Member*, **Goucher College Varsity Cross Country**, Baltimore, MD

August 2015 – May 2017

August 2013 – May 2017

August 2013 – May 2017

August 2013 – May 2017

May 2011 – August 2013

May 2010 – August 2010

Fall 2009