

# KULDIP R. PATEL, PHARM.D.

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## EDUCATION AND POST-GRADUATE PHARMACY RESIDENCY TRAINING

Pharmacy Practice Management Residency Medical University of South Carolina, SC	Jul 2002-Jun 2004
Doctor of Pharmacy The University of Toledo, OH	May 2001
Bachelor of Sciences (Pharmaceutical Sciences) with a Minor in Chemistry The University of Toledo, OH	May 1999

## PROFESSIONAL EXPERIENCE

Duke University Hospital (979 beds) <b>Title:</b> Chief Pharmacy Officer (Interim)	Dec 2019-Present
The United States Food and Drug Administration (US FDA) <b>Title:</b> Special Government Employee (SGE) <ul style="list-style-type: none"><li>The only voting member of the FDA's Pharmacy Compounding Advisory Committee representing hospital and health system pharmacy</li></ul>	July 2017-Present
Duke University Hospital <b>Title:</b> Associate Chief Pharmacy Officer <ul style="list-style-type: none"><li>Responsible for execution of the central pharmacy services strategic plan.</li></ul>	Oct 2010-Oct 2020
Orlando Health <b>Title:</b> Pharmacy Operations Coordinator at Orlando Regional Medical Center (808 beds) <ul style="list-style-type: none"><li>Responsible for execution of departmental operations strategic plan. Executed process improvement and safety enhancement initiatives.</li><li>Provide oversight for performance excellence in medication safety, cost effective drug therapy, and implementation of state of the art technologies.</li></ul>	Jun 2006-Aug 2010
Hospital Corporation of America (685 beds) <b>Title:</b> Assistant Director of Pharmacy at Centennial Medical Center <ul style="list-style-type: none"><li>Responsible for execution of departmental operations strategic plan. Executed process improvement and safety enhancement initiatives.</li><li>Launched and maintained barcoded medication administration program.</li></ul>	Jul 2004-June 2006

## **PROFESSIONAL EXPERIENCE (continued)**

Medical University of South Carolina (MUSC) Medical Center <b>Title:</b> Patient Care Resident Pharmacist	Jul 2002-Jul 2004
The Cleveland Clinic, Cleveland, OH <b>Title:</b> Clinical Staff Pharmacist (cardiology unit)	Aug 2001-Jun 2002
Rite Aid Pharmacy, Grafton, OH <b>Title:</b> Retail Pharmacy intern	Mar 1996-Aug 1999

## **TEACHING EXPERIENCE**

Residency Program Director Health System Pharmacy Administration Residency Resident: Iliana Morataya, Tyler Merritt	December 2019- present
Program Coordinator - Health-System Pharmacy Administration Residency Residents: Laura Meleis, Mary Durham, Andrew Wright, Jordan DeAngelis, Iliana Morataya, John Awad	July 2015- December 2019
Course Instructor – PACE 832 (Masters Course – Pharmacy Administration program) Financial Management of Health-System Pharmacy UNC Eshelman School of Pharmacy	Jan 2015- Present
Preceptor - Health-System Pharmacy Administration Residency (PGY2) Duke University Hospital Residents: Russell Laundon, Joseph Krushinski, Kevin Helmlinger, Grayson Peek, Laura Meleis, Mary Durham, Andrew Wright, Jordan DeAngelis, Iliana Morataya	Oct 2010 – Present
Associate Faculty Lake Erie College of Osteopathic Medicine (Brandenton, FL)	Jul 2008 – Aug 2010
Associate Professor The University of Tennessee College of Pharmacy	Jul 2004 – Jun 2006
Pharmacy Management Preceptor Orlando Regional Medical Center – Pharmacy Practice Residency	Jul 2007 – present
Pharmacy Management Preceptor Medical University of South Carolina – Pharmacy Practice Residency	Jul 2003 – Jun 2004
Course Instructor: Health Systems Pharmacy Practice (MUSC)	spring semester 2004

## **TEACHING EXPERIENCE (continued)**

Topics: Regulatory Policies, Roles of Pharmacy Practitioners, Human Resource Management (Position design and descriptions, orientation, staff training, and competency evaluation)

Pharmacy Technician Certification Training Program  
Program Coordinator 2003-2004

Course Instructor: Pharmacy Law and Ethics  
Undergraduate Program – MUSC College of Pharmacy Fall 2003

## **MAJOR PROJECTS**

Spearheading building a new 503B compounding facility  
Duke University Health System April 2018

Developed a business proposal to build a new 503B compounding facility (\$8,000,000)  
Duke University Health System January 2018

Established the DUHS USP General Chapter <800> Committee July 2016

Established the DUHS Sterile Preparations Oversight Committee July 2015

Compounded Sterile Preparations Insourcing (\$2,000,000 annual savings) July 2015

Expanded the 340B program with the use of auto split software January 2015

Planned and Renovated the Duke Compounding Facility October 2014

Spearheaded a system-wide Pharmacy Value Analysis Team April 2014

Implemented Omnicell WorkflowRx and Carousel Technology March 2014

Planned and opened a full-service (24/7) Operating Room Pharmacy  
Duke Medicine Pavilion at Duke University Hospital Jul 2013

Recipient of the Cardinal Health E3 (Effectiveness, Efficiency, and Excellence) Grant (\$31,000)  
Implementation of the Continuity of Care Program  
Duke University Hospital Apr 2012

Development of a business proposal for implementation of Omnicell Carousel Technology (\$500,000)  
Duke University Hospital Sept 2012

## MAJOR PROJECTS (continued)

Development of a business proposal and Implementation of the Omnicell Anesthesia Workstations in the Operating Rooms (\$1.8 million)

Duke University Hospital

Sept 2011

Development of a business proposal and Implementation of a State-of-the Art Unit of Use Repackaging Technology

Duke University Hospital

Sept 2011

Development of a business proposal

Establishment of the MUSC East Cooper Pharmacy Operation (Retail)

*Medical University of South Carolina Medical Center*

Sept 2003

Pharmaceutical Outcomes Management Program (POMP)

Role: Program Coordinator

Results: \$1.5 million realized in actual annual cost savings

*Medical University of South Carolina Medical Center*

Jul 2002-Jun 2003

## PRESENTATIONS

Live National Webinar: Resource Utilization Oversight for Limited Supply Medications May 2020

ASHP Section of Pharmacy Practice Leaders (Continuing Education)

No Pain All Gain: Structuring Quality into Daily Practice

Management Pearls at the ASHP Midyear Clinical Meeting

*Mandalay Bay Convention Center. Las Vegas, NV*

Dec 2019

Employee Engagement. Health System Leadership Forum.

North Carolina Association of Pharmacists (NCAP) Annual Conference

*Benton Convention Center. Winston-Salem, North Carolina*

Sept 2019

Live National Webinar: Disaster & Mass Casualty Preparedness: Planning for the Anticipated and the Unthinkable

ASHP Section of Pharmacy Practice Leaders (Continuing Education)

June 2019

Structuring Quality and Safety in Your Daily Activities

North Carolina Association of Pharmacists (NCAP) Health System Leaders Forum

*The Rizzo Conference Center. Chapel Hill, NC*

Mar 2019

How to Maximize Efficiency through Centralized Pharmacy Inventory

Audience: Pharmacy Executive Forum. The Advisory Board Company

<https://www.advisory.com/research/pharmacy-executive-forum>

Aug 2018

## PRESENTATIONS (continued)

Lead Facilitator: Revenue Cycle Management. ASHP Section of Pharmacy Practice Managers Section Advisory Group on Managing the Pharmacy Enterprise. Dec 2017

*Orange County Convention Center. Orlando, Florida*

Moderator: USP 800 the Outpatient Perspective

North Carolina Association of Pharmacists (NCAP) Annual Conference Sept 2017

*Benton Convention Center. Winston-Salem, North Carolina*

Moderator: Managing Drug Expense Through the Continuum of Care Panel Discussion

North Carolina Association of Pharmacists (NCAP) Annual Conference Sept 2017

*Benton Convention Center. Winston-Salem, North Carolina*

Live Webinar: Health Care Reimbursement and Revenue Cycle Management

ASHP Section of Pharmacy Practice Managers (Continuing Education) May 2017

Moderator: Roundtable discussion on Revenue Cycle Management. ASHP Section of Pharmacy Practice Managers Section Advisory Group on Managing the Pharmacy Enterprise.

ASHP Midyear Clinical Meeting Dec 2016

*Mandalay Bay Convention Center. Las Vegas, NV*

Creating an Innovative Sterile Compounding Quality Assurance Program in an Institutional Setting

North Carolina Association of Pharmacists (NCAP) Annual Conference Oct 2014

*Raleigh Convention Center. Raleigh, North Carolina*

Moderator: Selected Topics in Quality and Regulatory Compliance. ASHP Section of Pharmacy Practice Managers Section Advisory Group on Quality and Compliance

ASHP Midyear Clinical Meeting Dec 2008

*Orange County Convention Center. Orlando, Florida*

Bridging the Gaps in Medication Safety Oct 2003

National Pharmacy Week Continuing Education for Pharmacy Technicians

*Medical University of South Carolina Medical Center*

Pharmacy Resident Seminar Series: An Operations-Based Analysis of Literature on Adverse Drug Events

*Medical University of South Carolina College of Pharmacy* Oct 2003

Pharmacy Resident Seminar Series: The Role of Outcomes Analysis in Optimizing Pharmaceutical Care

*Medical University of South Carolina College of Pharmacy* Dec 2002

## RESEARCH POSTER PRESENTATIONS

Frakes J, Lynch A, **Patel K**, Rycek W., Use of Electronic Safety Tools to Reduce Adverse Events Related to Alphagal Allergy within a Large, Tertiary, Teaching Hospital. Duke Quality and Safety Conference. Durham, NC. March 2018

Frakes J, Lynch A, **Patel K**, Rycek W., Use of Electronic Safety Tools to Reduce Adverse Events Related to Alphagal Allergy within a Large, Tertiary, Teaching Hospital. Annual North Carolina Association of Pharmacists Meeting. Winston-Salem, NC. September 2017

**Patel K**, Bush PW, Mullinax J. Evaluating the Quality of the Orientation Process for a Large Pharmacy Residency Program with Multiple Program Disciplines. The third annual University HealthSystem Consortium Pharmacy Council Resident and Fellow Poster Session. New Orleans, LA. December 2003

**Patel K**. "Pharmaceutical Outcomes Management Program 2003." The Southeastern Regional Residency Conference. University of Georgia. Atlanta, GA. May 2003

**Patel K**, Uber L, Bush P. Development of an Interdisciplinary Pharmaceutical Outcomes Management Program. The 2<sup>nd</sup> annual University HealthSystem Consortium Pharmacy Council Resident and Fellow Poster Session. Atlanta, GA. December 2002

## PUBLICATIONS AND ABSTRACTS

O'Neal B, **Patel K**, Granko R, et al. Optimizing the Revenue Cycle to Promote the Growth of the Pharmacy Enterprise. *Am J Health-Syst Pharm*. 2018; 75(12): 853-855

**Patel K**. What Measures should be used to Improve the Safety of Compounded Drugs? Is ePUB in Medical Law Perspectives at <https://medicallawperspectives.com>, in Compounded Drugs: Mix of Risk and Liability. June 2018.

Bonnevay T, Breton R, **Patel K**, et al. The Development of Compendial Rapid Sterility Tests. *Pharmacoepial Forum*. 43(5). September 2017.

Patel K. (2017, May 29). Compensation proportional to Quality: MACRA and the Role of Pharmacists in Improving Quality is ePUB in ASHP Connect (Web log post) at <https://connect.ashp.org/blogs/kuldippatel/2017/05/29/compensation-proportional-to-quality-macra-and-the-role-of-pharmacists-in-improving-quality>.

Rosoff PM, **Patel K**, McGee AS, et al. Coping With Critical Drug Shortages: An Ethical Approach with Allocating Scarce Resources in Hospitals. *Arch Intern Med*. 2012;172(19):1494-1499

Birrer KL, Anderson R, **Patel K**, et al. Measures to Improve Safety of an Elastomeric Infusion Pump Technology. *Am J Health-Syst Pharm*. 2011;60(13):1251-1255

## PUBLICATIONS AND ABSTRACTS (continued)

**Patel K**, Patel K, Bush PW. Chapter 29. Operations and Medication Control. *Pharmacy Certified Technicians Training Manual, 12<sup>th</sup> Edition*. Michigan Pharmacist Association. Lansing, Michigan. 2011

Jarrett AT, **Patel K**, Babbitt R. Management Consultation: Understanding Pharmacy Department Billing and the Charge Master. *Am J Health-Syst Pharm*. 2008. 65(23);2213-2214

Bush PW, Walesh SG. **Patel K** authored Lessons 38 (Our Most Important Asset), 39 (Interviewing So Who You Get is Who You Want), and 40 (Eagles and Turkeys). *Managing & Leading. 44 Lessons Learned for Pharmacists*. American Society of Health-System Pharmacists. Bethesda, MD. 2008

**Patel K**, Bush PW. Chapter 29. Operations and Medication Control. *Pharmacy Certified Technicians Training Manual*. Michigan Pharmacist Association. Lansing, Michigan. 2004 and revised in 2007.

Encore: **Patel K**, Uber L, Bush PW. Development of an Interdisciplinary Pharmaceutical Outcomes Management Program. *Am J Health-Syst Pharm*. 2003;60(20);2148

**Patel K**, Uber L. Development of an Interdisciplinary Pharmaceutical Outcomes Management Program. *Gastroenterology Nursing*. 2003. 26(3): 127-128

## ACHIEVEMENTS AND POSITIONS HELD

Co-Chair, DUHS Pharmacy Medication Management Committee	2020
Co-Chair, DUH Pharmacy and Therapeutics Committee	2020
Chair, DUH Medication Safety Committee	2020
Chair, DUHS Pharmacy Governance Council	2020
Member, ASHP Council on Pharmacy Practice	2020
Member, ASHP Multi-Hospital Pharmacy Executives Committee	2020
Vice Chair, ASHP Education Steering Committee	2019-2020
ASHP National Best Practice Awards Projects Surveyor	2019-present
Duke Leadership Academy (certificate of completion)	2018
Mentor, Pharmacy Leadership Academy (ASHP)	2018-present
SGE, US FDA Pharmacy Compounding Advisory Committee	2017-present
Expert Panel Member, The United States Pharmacopoeial Convention	2016-2020
Chair, USP 800 Implementation Oversight Committee	2018-2020
Chair, ASHP SAG on Management of the Pharmacy Enterprise	2017-2018
Chair, DUHS Sterile Preparations Oversight Committee	2015-2020
Chair, DUHS Pharmacy Value Analysis Team	2015-2017
Chair, DUHS Critical Drug Shortage Taskforce	2012-2020
Chair, DUH Pharmacy Contracting Committee	2010-2015
Chair, DUH Compounding Advisory Group	2010-2015
Chair, ORMC Safe Medication Use Workgroup	2006-2010
Chair, Medication Safety Committee (ORMC)	2004-2006

## **ACHIEVEMENTS AND POSITIONS HELD (continued)**

Chair, USP 797 Gap Analysis Taskforce (HCA, Inc.)	2005
Chair, Formulary Subcommittee (MUSC)	2003-2004
Coordinator, Pharmacy Outcomes Management Program (MUSC)	2002-2003
President, Doctor of Pharmacy class of 2000 (UT)	1999-2000

## **COMPUTER/TECHNICAL SKILLS**

Operating systems: Microsoft Windows and iOS  
Application software: MS Word, MS Power Point, MS Excel, Pages, Numbers, Keynote  
Electronic Health Records and other programs: EPIC, SAP, Strata, Successfactors, Centricity Time and Attendance, Omnicell WorkflowRx, Anesthesia Workstations, Secure Vault, Health Robotics ivSoft.

## **AFFILIATIONS AND COMMITTEES**

Member of Multi-Hospital Pharmacy Executives Committee  
Member of ASHP Council on Pharmacy Practice  
Member of ASHP Education Steering Committee  
Member of ASHP Section Advisory Group on Inpatient Care Practitioners  
Member of ASHP Section Advisory Group on Management of the Pharmacy Enterprise  
Member of the International Pharmaceutical Federation (FIP) Hospital Pharmacy  
Member of the North Carolina Association of Pharmacists  
Member of the DUHS Universal Influenza Taskforce  
Member of the DUH Medication Safety Committee  
Member of the DUH Preoperative Core Safety Committee  
Member of the American Society of Health-System Pharmacists (ASHP)  
Past member of the Orlando Health Corporate Safety Team  
Past member of the Orlando Health Pharmacotherapy Committee  
Past member of the Orlando Health Management Advisory Committee (MAT)  
Past member of the Orlando Health Corporate Pharmacy Council  
Past member of Policy and Procedure Development Committee at Orlando Health  
Past member of ASHP Section Advisory Group on Quality and Compliance  
Past member of ASHP Section Advisory Group on Financial Management and Reimbursement  
Past member of Tennessee Society of Health-systems Pharmacists (TSHP)  
Past member of ASHP New Practitioner Communications Committee

## **REFERENCES AVAILABLE UPON REQUEST**