

MOHAMMAD HASAN M. ALJAWADI  
King Saud University, College of Pharmacy  
Clinical Pharmacy Department

E-mail: maljawadi@ksu.edu.sa

**PROFILE:**

- Pharmacoepidemiologist with extensive epidemiology training and research experience in critical care.
- Skilled in using both SAS and Stata for data building and statistical analyses.
- Productively participated in team projects with different research focus.
- Coursework in Econometrics I, Research Methods I & II, Microeconomic Theory, Survival Analysis, Regression Analysis, Advanced Quantitative Methods, Longitudinal Data Analysis, Observational Studies in Epidemiology, Infectious Disease Epidemiology, Cancer Epidemiology, Clinical Trials/Experimental Research, Statistical Methods I & II, Pharmaceutical Economics, Pharmacoepidemiology, Epidemiology, Health Behavior, Health Care Policy
- Research skills including manuscripts writing and publishing in peer-reviewed journals and statistical modelling.

**EDUCATION:**

***Doctor of Philosophy***

(Pharmaceutical Health Services Research)  
School of Pharmacy, University of Maryland 2014

***Master of Science***

(Epidemiology & Preventive Medicine)  
School of Medicine, University of Maryland 2014

***Doctor of Pharmacy***

School of Pharmacy, University of Maryland 2008

***Bachelor Degree of Pharmaceutical Sciences***

College of Pharmacy, King Saud University (KSU) 2001

### **Committees Participation:**

<b>Member of the Pharmacy Education Unit</b> College of Pharmacy, KSU	2016-2017
<b><i>Head of Experiential Learning Committee</i></b> College of Pharmacy, KSU	2015-2016
<b><i>Head of the Clinical Pharmacy Master Program</i></b> Clinical Pharmacy Department, College of Pharmacy, KSU	2015-2016
<b><i>Member of the PhD Program Initiation Committee</i></b> College of Pharmacy, KSU	2015-2016
<b><i>Member of the Pharmacy Education Committee</i></b> College of Pharmacy, KSU	2015-Present

### **RESEARCH EXPERIENCE**

#### ***Stress Ulcer Prophylaxis in Intensive care units: Use, Benefit and Risks***

Principle Investigator: Mohammad Aljawadi 2013-2014  
Sponsor: eICU Research Institute

Writing proposal, reviewing the literature, designing the study, analyzing data including checking data, constructing analytic files and conducting descriptive and hypothesis-testing analyses, preparing tables and writing manuscripts.

#### ***Beta Blockers Utilization in Intensive Care Units and Adherence to Best Practice Guidelines***

Principle Investigator: Craig Lilly 2012-2013  
Sponsor: eICU Research Institute

Contributed in analytic decisions and performed Descriptive and hypothesis-testing analyses as well as prepared study's tables.

#### ***Adherence to ICU Best Practice Guidelines in Older Adults***

Principle Investigator: Nicholas Capogna 2011-2012  
Sponsor: eICU Research Institute

Descriptive and hypothesis-testing analyses, tables preparation and manuscript writing.

***Elevated economic burden in obstructive lung disease patients with concomitant sleep apnea syndrome.***

Principle Investigator: Shaya FT 2008-2009

Sponsor: self-funded

Literature Review and manuscript writing.

***Diabetic Retinopathy***

Principle Investigator: Shaya FT 2006-2007

Sponsor: self-funded

Literature Review and manuscript writing

**PROFESSIONAL SERVICE**

***Summer Health Research Boot Camp***

Jun 2016-Aug 2016

Research Center, College of Medicine,

Imam Mohammad Bin Saud University

Cofounder and Keynote speaker

***Member of the scientific Committee of the Riyadh International Pharmaceutical Science Conference and Workshops***

2014-2015

Member of Scientific Committee

Riyadh, Saudi Arabia

***International Society of Pharmacoepidemiology (ISPE)***

Student Chapter Secretary

2009-2010

Prepare meetings' agenda and organize chapter's events

**Academic Appointments**

***Chairman of the Clinical Pharmacy Department***

Nov 2015- Present

College of Pharmacy, King Saud University

***Supervisor of Experiential Learning***

Sep 2015-Sep 2016

College of Pharmacy, King Saud University

***Coordinator of Clinical Pharmacy Master Program***

Dec 2014-May 2016

College of Pharmacy, King Saud University

***Assistant Supervisor of Experiential Learning***

Nov 2014- Sep 2015

College of Pharmacy, King Saud University

### **AWARDS:**

#### ***Dean's List***

Fall 2004, 2005, 2006, 2007 Spring, 2005, 2006, 2007, 2008  
School of Pharmacy, University of Maryland

#### ***Rho Chi Pharmacy Honor Society***

2005-Present

I was chosen in both the Pharm.D. and Ph.D. programs to join the Rho Chi Pharmacy honor society.

#### ***First Class Honor***

January 2002

College of pharmacy, King Saud University

### **GRANTS AWARDED:**

**RAED:** The New Faculty sponsorship project

**Cost:** 70,000 SR

**Grant number:** R5-16-02-23

**Title of Project:** The Prevalence of Benzodiazepines Use and Risk of Falls Among Elderly in Saudi Arabia

### **PROFESSIONAL MEMBERSHIPS**

Society of Critical Care Medicine

International Society of Pharmacoeconomics and Outcomes Research

International Society of Pharmacoepidemiology

### **PUBLICATIONS:**

Abdullah T. Khoja, **Mohammad H. Aljawadi**, Sulaiman A. Al-Shammari, Ashry G. Mohamed, Hamad A. Al-Manaa, Laura Morlock, Saifuddin Ahmed, Tawfik A. Khoja. **The Health of Saudi Older Adults; results from The Saudi National Survey for Elderly Health (SNSEH) 2007-2015** (Submitted: EMHJ-D-17-00212.)

**Aljawadi M**, Gonzales J, Badawi O, Alhammad A. **Antipsychotic Utilization in The Critically Ill for The Treatment of ICU Delirium**. Crit Care Med. 2016 Dec;44(12 Suppl 1):210. No abstract available.

Shen X, Dutcher SK, Palmer J, Liu X, Kiptanui Z, Khokhar B, **Al-Jawadi MH**, Zhu Y, Zuckerman IH. **A Systematic Review of the Benefits and Risks of Anticoagulation Following Traumatic Brain Injury**. J Head Trauma Rehabil. 2015 Jul-Aug;30(4):E29-37. doi: 10.1097/HTR.000000000000077.

Shaya FT, Lin PJ, **Aljawadi MH**, Scharf SM. **Elevated economic burden in obstructive lung disease patients with concomitant sleep apnea syndrome.** Sleep Breath. 2009 Nov;13(4):317-23. Epub 2009 May 30.

Shaya FT, **AlJawadi M**. **Diabetic Retinopathy.** Clinical Ophthalmology, 2007, 1(3):1-7.

**In Progress:**

**Utilization of Colorectal Cancer Screening Among Saudi Older Adult- A study from The Saudi National Survey for Elderly Health**

**Mohammad Aljawadi**, Omar Badawi, Ebere Onukwugha, Laurence S Magder, Sarah Tom, Ilene Zuckerman “The Risk of Clostridium Difficile Infection between Proton Pump Inhibitors and Histamine-2 Receptors Blockers in Intensive Care Units “ (In progress)

**Mohammad Aljawadi**, Omar Badawi, Ebere Onukwugha, Laurence S Magder, Sarah Tom, Ilene Zuckerman “The Risk of Clinically Important Gastrointestinal Bleeding and Nosocomial Pneumonia between Proton Pump Inhibitors and Histamine-2 Receptors Blockers in Intensive Care Units” (In progress)

**Mohammad Aljawadi**, Omar Badawi, Ebere Onukwugha, Laurence S Magder, Sarah Tom, Ilene Zuckerman “Stress Ulcer Prophylaxis in Intensive Care Units Between 2008 and 2012” (In Progress)

**CONFERENCES AND SYMPOSIA:**

**Mohammad H. Aljawadi**, Abdullah T. Khoja, Maha Al-Enizi, Sulaiman A. Al-Shammari, Ashry G. Tawfik A. Khoja. **Prevalence of Sleep Apnea, Risk Factors and its Association with Mortality among Saudi Elder Population.** Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT, 7-9 March 2017)

**Aljawadi M**, Gonzales J, Badawi O, Alhammad A. **Antipsychotic Utilization in The Critically Ill for The Treatment of ICU Delirium.** 46th Critical Care Congress. January 21-25, 2017. Honolulu, Hawaii, USA

Shaya FT, **Aljawadi MH**, Mullins CD, Pandya N, Seal B, Hanna N. **Determinants of TACE treatment assignment in HCC patients in SEER-Medicare** (Accepted poster at the American Association for the Study of Liver Diseases meeting, Nov 4-8, 2011 San Francisco, California)

## **EXPERIENTIAL ROTATIONS**

### **Patient Care I (Sep 2005 – May 2006) and Patient Care II (Sep 2006 – May 2007):**

- Interviewed, evaluated, and made recommendations on the drug and non-drug therapy for two patients.
- Monitored each patient for approximately 9 months.

### **Carroll Hospital Center, Feb-Apr 2008**

In this anticoagulation clinic I had the opportunity to interview, evaluate, and made recommendations regarding anticoagulant therapy.

### **The Medicine Shoppe Pharmacy; Oct 2004**

- Processed and filled prescriptions
- Counseled patients about prescription and OTC medications
- Prepared for inventory

### **The Medicine Shoppe Pharmacy; June-July 2007**

Processed and filled prescriptions

Counseled patients about prescription and OTC medications

Participate in a small project aimed to reduce medications errors inside a community pharmacy.

Raise public awareness regarding smoking cessation and the available resources such as 1-800 quit-now.

### **University of Maryland Medical Center Pharmacy, Jan – 2007**

Filled Prescriptions.

Prepared Intravenous medications.

Participated in journal club meetings.

Shadowed clinical pharmacist during medical rounds.

Participated in a project aimed to assess the adherence of pharmacists, nurses, and pharmacy technicians to handling procedures of Narcotics as well as modifying the existing IV narcotic form to more user-friendly form.

### **Mercy Medical Center; Mar 2005**

Filled Prescriptions., Prepared Intravenous medications, Participated in journal club meetings, Shadowed clinical pharmacist during medical rounds, Participated in a project aimed to distinguish look alike medications.

### **Kaiser Permanente, Aug- Sep 2007**

In this diabetes and cholesterol clinic. I followed up, counseled patient regarding their drug use.

I made drug and non-drug recommendations. I also educated patients on the proper use of glucose meters.

I participated in Medicare's medication therapy management program.

### **Howard County General Hospital; Oct- Nov 2007**

Attended medical rounds

Interviewed patients to obtain their medical history and evaluated the appropriateness of their drug therapy

Made recommendations for alternative drug therapy when appropriate

### **VA Medical Center, Jan- Feb 2008**

This rotation was in the cardiac intensive care unit where I participated in medical rounds and made drug therapy changes.

**NeighborCare Pharmacy, Inc. Dec-Jan 2007/2008**

Interviewed, evaluated, and made recommendations on the drug and non-drug therapy for patients.

Counseled patients about prescription and OTC medications

Participated in medication therapy management (MTM) program where I did many comprehensive reviews for patient's medications.

**Howard County Substance Abuse Services; Jan 2005**

One-day rotation that exposed me to pharmacist's role in drug abuse prevention and treatment.

**Drug Information, MedImmune, Inc. July – August 2007**

In this specialized drug information center, I was able to perform many literature review to and prepare response letters to public inquires as well as health care professionals.

**University of Maryland Drug Treatment Center; Sep – Oct 2007**

This rotation focused on drug addiction and the available modalities for treatment. I rounded with the substance abuse team at the hospital for two weeks. I also worked on my paper that was about prenatal alcohol exposure and its effect on cognitive functions in children.