

**Yazed Sulaiman H Al-Ruthia**  
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## EDUCATION

**PhD**, Health Outcomes & Policy Research, May 2015  
Major: Pharmacoeconomics.  
The University of Tennessee Health Science Center, Memphis, TN.  
**PharmD (accelerated)**, May 2011.  
Massachusetts College of Pharmacy and Health Sciences.  
**BSc**, Pharmacy, May 2007.  
King Saud University, Riyadh, Saudi Arabia.

## DISSERTATION TOPIC

### **“The Value of Online Patients’ Evaluations of Medications and its Association with Patient-Reported Outcomes among Elderly: A Cross-Sectional Study”**

In an era of empowered consumers, many websites provide the feedback of consumers about different products and services. Therefore, healthcare providers, medications, and other medical services’ ratings, and evaluations are accessible online for patients and healthcare providers alike. Since the elderly patients are more likely to have chronic medical conditions such as hypertension and diabetes, they are more likely to be on medications. Further, the elderly patients are more likely to experience medications’ adverse effects due to their physical frailty as well as their higher likelihood of being on multiple medications compared to young people. Therefore, we sought to explore the value of such online websites to the elderly by surveying seniors in multiple senior centers in and around Memphis, TN using a newly developed questionnaire. Patients’ reported outcomes (PROs) such as medication adherence, quality of life, patients’ satisfaction with their healthcare providers’ communication and interpersonal skills, and beliefs about medications were measured using validated questionnaires. We sought to examine if the value of such online websites to elderly patients varies with their beliefs, level of medication adherence, as well as with the other aforementioned attributes.

*Research Adviser: Song Hee Hong, PhD*

*(Committee: Drs. Song Hee Hong, Robert Nolly, Carolyn Graff, Mehmet Kocak, & David Solomon)*

## PUBLICATIONS & PRESENTATIONS

### Articles Published/Submitted

**Al-Ruthia, Y.**, & Hong, S. H. (2014). Time-release versus immediate-release formulations of venlafaxine, paroxetine and bupropion: a comparative study of a nationally representative sample of the US working population. *Journal of Pharmaceutical Health Services Research*, 5(2), 119-126.

Hong, S. H., **Al-Ruthia, Y.**, & Tak, S. (2014). Medication Complexity and Affordability in Use of Time Release Antidepressants. *Clinical and Translational Science* (Published).

**Al-Ruthia, Y. S.**, Hong, S. H., & Solomon, D. K. (2014). Do depressed patients on adjunctive atypical antipsychotics demonstrate a better quality of life compared to those on antidepressants only? (A comparative cross-sectional study of a nationally representative sample of the United States population). *Research in Social and Administrative Pharmacy*, (Published).

### Peer-reviewed Abstracts & Presentations:

**Al-Ruthia, Y. S.** (2013). Off-patent brand antidepressants utilization: a nationally representative sample analysis. *Value in Health*, 16(3), A66. (Poster presented at ISPOR 18th Annual Int'l Meeting, May 2013, New Orleans, LA).

**Al-Ruthia, Y. S.**, Hong, S. H., & Varadarajan, R. (2013). Health Related Quality of Life and Work Absenteeism among Time-Release and Immediate Release Users of Antidepressants. (Poster presented at the ASHP 2013 Summer Meeting, May 2013, Minneapolis, MN).

**Al-Ruthia, Y. S.**, Hong, S. H., & Solomon, D. K. (2014). Do depressed patients on adjunctive atypical antipsychotics demonstrate a better quality of life compared to those on antidepressants only? (A comparative cross-sectional study of a nationally representative sample of the United States population). *Value in Health*, 17(3), A220. (Poster presented at ISPOR 19th Annual Int'l Meeting, May 2014, Montreal, QC, Canada).

## **ANALYTICAL SKILLS & LANGUAGES**

*Software:* Proficient: SAS; Intermediate: SPSS, TreeAge.

*Analytical Techniques:*

*Proficient:*

Epidemiology, Survey Data Analysis, Generalized Linear Models, Logistic Regression, Survival Analysis, Principal Components/Factor Analysis, and Structural Equation Modelling.

*Qualitative Research:*

Grounded Theory, Phenomenology/Thematic Content Analysis.

*Experience with Datasets:* MEPS, NHIS, NAMCS/NHAMCS.

*Languages:* English (Very good), Arabic (native).

## **REVIEWING EXPERIENCE**

*Reviewer,*

Journal of Pharmaceutical Health Services Research (JPHSR).

*Reviewer,*

Journal of Social and Administrative Pharmacy (RSAP).

## **TEACHING EXPERIENCE**

*University of Tennessee Health Science Center College of Pharmacy, Memphis, TN.*

Teaching Assistant (to Prof. David Solomon, PharmD), August 2011-present.

- Pharmacoeconomics & Practice Management, Fall 2011, 2012 and Spring 2014.

Lecture "Drug Expenditure Trends and Drug Cost Management", in P2 classes (approximately 175 students) synchronously via distance learning on the two campuses (Memphis & Knoxville), developed exam questions, assisted with project evaluations, grading, and e-learning platform.

*King Saud University College of Pharmacy, Riyadh, Saudi Arabia.*

Teaching Assistant (to Prof. Mohammad J. Al-Yamani, PhD).

- Therapeutics I&II, Fall 2007 & Spring 2008.

Teaching the Cardiovascular and endocrinology modules in the lab sessions to the Third and Fourth years pharmacy students, Attended & participated in the journal clubs, developed & graded exam questions, evaluated students' presentations, and proctored the therapeutics' exams.

## **EXPERIENTIAL LEARNING ROTATIONS**

Pharmacy Administration Elective at Walgreens District Office, Bedford, New Hampshire.  
Preceptor: Susan DeLeo BSc. Pharm (3/28/2011 - 5/6/2011).

Research Elective about Pharmacy Literacy and Cultural Competency at Massachusetts College of Pharmacy and Health Sciences, Manchester Campus, New Hampshire.  
Preceptor: Cheryl Abel, PharmD and Carolyn Goldsmith, DSc (2/14/2011 - 3/25/2011).

Community Pharmacy Rotation at CVS Pharmacy, Mammoth Road, Manchester, New Hampshire.  
Preceptor: Erica Jones, PharmD (1/4/2011 - 2/11/2011).

Institutional Pharmacy Rotation at Elliot Hospital, Manchester, New Hampshire.  
Preceptor: Cheryl Durand, PharmD (11/8/2010 - 12/17/2010).

Ambulatory Care Rotation at Exeter Hospital, Exeter, New Hampshire.  
Preceptor: Mary Ellis, PharmD (9/27/2010 - 11/5/2010).

Surgical Trauma and Internal Medicine, Acute Care at Parkland Medical Center, Derry, New Hampshire.  
Preceptor: Linda Carboni, BSc. Pharm (8/16/2010 - 9/24/2010).

Intermediate Pharmacy practice rotation at Walgreens Pharmacy, 550 Amherst Street, Nashua, New Hampshire.  
Preceptor: John Carver, BSc. Pharm (8/31/2009 - 10/23/2009).

Community Pharmacy shadowing at Rite Aid Pharmacy, Allenstown, New Hampshire.  
Preceptor: Todd Sklencar, BSc. Pharm (1/12/2009 - 4/24/2009).

Shadowing with the Clinical Pharmacists at King Khalid University Hospital covering the Surgical Intensive Care Unit (SICU) in Riyadh, Saudi Arabia.  
Preceptor: Randa Jarodi, PharmD (04/01/2007- 03/28/ 2008).

Pharmacy intern at King Faisal Specialist Hospital & Research center in Riyadh, Saudi Arabia.

- Areas Covered:
  - Oncology outpatient.
  - Preparation of IVs and TPNs.
  - Unit dose.
  - Drug information.
  - Clinical rotation in SICU.

Preceptor: Ahmed Al-Jedai, PharmD (09/05/2006 - 01/17/2007).

## **CERTIFICATIONS**

Basic Life Support; American Heart Association (04/2010).

## **PROFESSIONAL AFFILIATIONS**

Saudi Pharmaceutical Society.  
Saudi clinical pharmacy club.  
American Society of Health System Pharmacist (ASHP).  
American Pharmacists Association (APhA).

International Society for Pharmacoeconomics and Outcomes Research (ISPOR).

## REFERENCES

*Song Hee Hong, PhD.*

Associate Professor of Health Outcomes and Policy Research,  
Department of Clinical Pharmacy, UTHSC College of Pharmacy, Memphis, TN.

*Lawrence M. Brown, PharmD, PhD, FAPhA.*

President-elect, American Pharmacists Association  
Professor & Associate Dean,  
Chapman University, School of Pharmacy, Irvine, CA.  
Former Director of Graduate Studies in Health Outcomes & Policy Research.  
Department of Clinical Pharmacy, UTHSC College of Pharmacy, Memphis, TN.

*David K. Solomon, PharmD, FASHP.*

Professor of Health Outcomes and Policy Research,  
Department of Clinical Pharmacy, UTHSC College of Pharmacy, Memphis, TN.

*Carolyn Graff, PhD, M.N., B.S.N.*

Professor & Director of the PhD Program in Nursing Science,  
Department of Advanced Practice and Doctoral Study, UTHSC Boling Center for Developmental  
Disabilities, Memphis, TN.

*Mehmet Kocak, PhD.*

Assistant Professor of Epidemiology,  
Department of Preventive Medicine, UTHSC College of Medicine, Memphis, TN.

*Robert J. Nolly, M.S., D. Ph.*

Professor of Pharmaceutical Sciences,  
Department of Pharmaceutical Sciences, UTHSC College of Pharmacy, Memphis, TN.