

Tariq M. Alhawassi

King Saud University-College of Pharmacy

Department of Clinical Pharmacy

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EDUCATION

Doctor of Philosophy in Pharmacy (PhD) June 2015

The University of Sydney

Thesis title: "Improving the quality use of prescribed antihypertensive medications in the hospital setting"

Master of Clinical Pharmacy (MClinPharm) Aug 2009

University of South Australia

Thesis title: "Is screening hospitalized adult patients with random glucose and HbA1C an effective method for detecting undiagnosed diabetes"

Medicine Management Clerkship July-Dec 2008

Repatriation General Hospital (RGH), Adelaide, South Australia.

Areas of emphasis included:

- Develop skills in the different therapeutic monitoring techniques used in general medicine older patients.
- Build knowledge in aetiology, pathophysiology and treatment of common disease states found in RGH wards including: Gastroenterology, Respiratory medicine, Psychogeriatric, Rheumatology, Cardiology, Endocrinology, Rehabilitation and Aged and Extended Care (General medicine).
- Demonstrate the ability to provide a complete clinical pharmacy service to older patients and medical staff in hospital setting.

Bachelor Degree of Pharmaceutical Sciences (BScPharm) Feb 2005

King Saud University

With honour

Pharmacy Clerkship Sep 2004-Jan 2005

King Faisal Specialist Hospital & Research Centre and King Fahd hospital for Children Cancer Centre (KFH&RC, KFHCCC)

Responsibilities and areas of emphasis:

- Good understanding of outpatient and inpatient pharmacy work
- Clinical rounds and journal clubs attendance
- Successful completion of Biostatistics and Study design introductory course
- Oncology pharmacy rotation (principles of dealing with cytotoxic medications)

TEACHING, ADVISING & WORK EXPERIENCE

Assistant professor of clinical pharmacy 2015-Present
Department of Clinical Pharmacy-College of Pharmacy; King Saud University

International Society for Pharmacoepidemiology 2015-Present
Gulf Region Chapter Secretary

Researcher 2015-Present
Medication Safety Research Chair-College of Pharmacy; King Saud University

Lecturer 2014-2015
Department of Clinical Pharmacy-College of Pharmacy; King Saud University

Teaching Assistant 2005-2014
Department of Clinical Pharmacy-College of Pharmacy; King Saud University

Teaching interests

- Pharmacotherapy
- Pharmacovigilance
- Pharmacy practice
- Geriatric pharmacy

Teaching courses:

BScPharm:

- PHCL 311 "Pharmacy Practice"
- PHCL 416 "Pharmacotherapy-1"
- PHCL 442 "Pathophysiology and Pharmacotherapeutics-2"

PharmD:

- PHCL 412 "Pathophysiology and Pharmacotherapeutics 1"
- PHCL 435 "Research Design and Pharmacoepidemiology"
- PHCL 436 "Medication Therapy Management-1"
- PHCL 490 "Research Project"
- PHCL 492 "Medication Therapy Management-2"
- PHCL 495 "Academic Rotation"
- PHCL 497 "Medical Research"

MClinPharm:

- PHCL 520 "Research Design"

Ambulatory care and ER pharmacist Feb 2005-Jan 2006
King Abdulaziz Medical City-Saudi National Guard Hospital; Riyadh

RESEARCH INTERESTS

Current research interest focuses on pharmacovigilance and pharmacoepidemiology research including medication safety and drug use evaluation in geriatrics, pharmacy practice research and the use of smartphone applications and technology in disease management and drug safety.

PEER-REVIEWED PUBLICATIONS

Alhawassi, T.M., Krass, I., Bajorek B.V., Pont, L.G. (2015). Management and control of hypertension in older persons on admission to hospital. *BMJ Open*. [submitted]

Alhawassi, T.M., Krass, I., Bajorek, B.V., Pont, L.G. (2015). Are antihypertensive medications associated with an increased risk of adverse drug reactions among older persons? *Cardiovasc Drugs Ther*. [submitted]

Gregory, W. R., Quinn, S. J., Valentine, N., Alhawassi, T., O'Dea, H., Stranks, S. N., Burt, M. G., Doogue, M. P. (2015). Relative hyperglycemia, a marker of critical illness: introducing the stress hyperglycemia ratio. *J Clin Endocrinol Metab*. DOI: 10.1210/jc.2015-2660.

Alhawassi, T. M., Krass, I., Pont, L. G. (2015). Prevalence, prescribing and barriers to effective management of hypertension in older populations: a narrative review. *Journal of Pharmaceutical Policy and Practice*, 8(1), 1-6.

Alhawassi, T. M., Krass, I., Pont, L. G. (2015). Impact of hospitalization on antihypertensive pharmacotherapy among older persons. *Drugs-Real World Outcomes*, 2(3), 239-247.

Alhawassi, T., Krass, I., Pont, L. (2015). Hypertension in Older Persons: A Systematic Review of National and International Treatment Guidelines. *J Clin Hypertens (Greenwich)*. 2015:1–7. DOI: 10.1111/jch.12536.17(6), 486-492.

Bin Dhim, N., Shaman, A., Trevena, L., Basyouni, M., Pont, L., Alhawassi, T. (2015). Depression screening via a smartphone app: cross-country user characteristics and feasibility. *J Am Med Inform Assoc*, 22(1):29-34.

Alhawassi, T., Krass, I., Bajorek, B., Pont, L. (2014). A systematic review of the prevalence and risk factors for adverse drug reactions in the elderly in the acute care setting. *Clin Interv Aging*, 9, 2079-2086.

Alhawassi, T., Beata, B., Krass, I., Fois R., Pont, L. (2013). Antihypertensive medication utilisation and adverse drug reactions in the elderly: study design and baseline characteristics. The 12th National Conference of Emerging Researchers in Ageing, Sydney: University of Sydney.

Alhawassi, T., Bajorek, B., Krass, I., Pont, L. (2013). Adverse drug reactions prevalence and hospitalization rate in elderly inpatients: a systematic review. PROSPERO; 2013:CRD42013006827. Available from:http://www.crd.york.ac.uk/PROSPERO/display_record.asp?ID=CRD42013006827.

BinDhim, N. F., Shaman, A. M., Alhawassi, T. M. (2013). Confirming the one-item question Likert Scale to measure anxiety. The Internet Journal of Epidemiology, 11(2). Available from: <http://ispub.com/IJE/11/2/14525>.

Valentine, N. A., Alhawassi, T. M., Roberts, G. W., Vora, P. P., Stranks, S. N., & Doogue, M. P. (2011). Detecting undiagnosed diabetes using glycated haemoglobin: an automated screening test in hospitalised patients. Med J Aust, 194(4), 160-164.

SELECTED CONFERENCES

Tariq M Alhawassi. Adverse drug reactions: the role of causality assessment in pharmacovigilance. 11th Middle East Regulatory Conference (MERC) 2015. Regulatory science and best-practice bringing innovative medicines to patients; 2015 November 17; Riyadh, Saudi Arabia.

Tariq M Alhawassi. Adverse drug reactions: the role of causality assessment in pharmacovigilance. 3rd Riyadh Care Hospital (RCH) Pharmacy Symposium. Patient Care: Improve the Efficiency; 2015 November 17; Riyadh, Saudi Arabia.

Alhawassi TM, Krass I, Pont LG. Effect of hospitalization on antihypertensive medication utilization among older persons. American College of Clinical Pharmacy (ACCP) Global Conference; 2015 October 17-21; San Francisco, USA.

Alhawassi TM, Krass I, Pont LG. Hypertension management and control in older persons on admission to an acute care setting. ISPE's 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE); 2015 August 22-26; Boston, USA.

Alhawassi TM, Krass I, Pont LG. Prevalence and risk factors for adverse drug reactions in older adults in the acute care setting. ISPE's 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE); 2015 August 22-26; Boston, USA.

Alhawassi TM, Krass I, Pont LG. Effect of hospital admission on antihypertensive medication utilization among older persons. ISPE's 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE); 2015 August 22-26; Boston, USA.

Roberts GW, Quinn SJ, Valentine N, Alhawassi TM, O'Dea H, Stranks SN, Doogue MP, Burt MG. A prospective cohort study investigating relative hyperglycaemia as a determinant of mortality or Intensive Care Unit admission: Introducing the stress hyperglycaemia ratio. The Annual Scientific Meeting of the Endocrine Society of Australia and the Society for Reproductive Biology; 2014 August 24-27; Melbourne, Australia.

Alhawassi T, BinDhim N, Shaman A. Who use depression screening apps? Cross-countries comparison. E-Health and m-Health showcase and round table; 2013 November 4; The University of Sydney, Australia.

Alhawassi TM, Bajorek B, Fois R, Krass I, Pont LG. Prevalence and risk factors for adverse drug reactions with antihypertensive medications in elderly hospitalized patients: A study design. In: O'Loughlin K, Clemson L, Groves J, Lohrengel S, Carroll M, Hunt S, editors. Proceedings of the 12th National Conference of Emerging Researchers in Ageing; 2013 Nov 25-26; Sydney, Australia: The University of Sydney; 2013. P. 53.

Alhawassi TM, Bajorek B, Fois R, Krass I, Pont LG. Issues with hypertension management in the elderly. In: O'Loughlin K, Clemson L, Groves J, Lohrengel S, Carroll M, Hunt S, editors. Proceedings of the 12th National Conference of Emerging Researchers in Ageing; 2013 Nov 25-26; Sydney, Australia: The University of Sydney; 2013. P. 51.

Alhawassi TM, Bajorek B, Fois R, Krass I, Pont LG. Changes to antihypertensive regimens in elderly inpatients. Australasian Pharmaceutical Science Association (APSA) Conference; 2013 December 8-11; Dunedin, New Zealand.

Bajorek B, Alhawassi TM, Fois R, Krass I, Pont LG. Changes to antihypertensive regimens in elderly inpatients. New Horizons 2013, the 30th Combined Health Science Conference; 2013 December 18-20; Sydney, Australia.

Alhawassi TM, Bajorek B, Pont LG. Changes to antihypertensive medicines during hospital admission for the elderly. In: Zanchetti A, Mancina G, Chalmers J, Hamet P, Kaplan N, Laurent S, et al, editors. Proceedings of the 24th Meeting of the International Society of Hypertension; 2012 Sep-Oct 30-4; Sydney, Australia.

Alhawassi TM, Bajorek B, Fois R, Krass I, Pont LG. Antihypertensive medications use among elderly hospital patients. Action and Influence - MM2012, the 38th SHPA National Conference; 2012 November 1-4; Canberra, Australia.

Alhawassi TM, Bajorek B, Fois R, Pont LG. Utilization of antihypertensive medication in elderly hospitalized patients. The Joint Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists (ASCEPT) - Australasian Pharmaceutical Science Association (APSA) 2012 Conference; 2012 December 2-5; Sydney, Australia.

Alhawassi TM, Bajorek B, Pont LG. Hospital setting as a determinant of adverse drug reactions prevalence in elderly patients. 2011 Canadian hypertension congress; 2011 October 2-5; Ontario, Canada.

Alhawassi TM, Bajorek B, Pont LG. Adverse drug reactions prevalence and risk factors in elderly hospitalized patients: A review. The Australasian Pharmaceutical Science Association (APSA) 2011 Conference; 2011 December 11-14; Adelaide, Australia.

Valentine N, Roberts G, Alhawassi T, Vora P, Stranks S, Doogue M. Detecting undiagnosed diabetes using A1C, an automated screening test in hospitalised patients. Primary health care research and health reform: Improving care 2010 Primary Health Care Research Conference: Program & Abstracts; 2010 June-July 30-2; Darwin, Australia.

Alhawassi TM, Roberts GW. Development of a diabetes diagnostic screening process linked to hospital admissions – a pilot study. Australian Diabetes Society & Australian Diabetes Educators Association Annual Scientific Meeting; 2009 August 26-28; Adelaide, Australia.

Valentine NA, Alhawassi TM, Roberts GW, Vora PP, Stranks SN, Doogue MP. Is screening hospitalized adult patients with random glucose and HbA1C an effective method for detecting undiagnosed diabetes. Australian Diabetes Society & Australian Diabetes Educators Association Annual Scientific Meeting; 2009 August 26-28; Adelaide, Australia.

SELECTED GRANTS

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| 2013 | <i>Management and control of hypertension in older persons on admission to hospital</i> , Tariq Alhawassi, Ines Krass, Lisa Pont; King Saud University |
| 2009 | <i>Screening Hospitalized adult patients with random glucose and HbA1C: an effective method for detecting undiagnosed diabetes</i> , Tariq Alhawassi, Gregory Roberts, Matthew Doogue, Nyoli Valentine, Stephen Stranks; King Saud University. |

PROFESSIONAL MEMBERSHIPS

- Saudi Pharmaceutical Society (SPS)
- International Society for Pharmacoepidemiology (ISPE)
- The Society of Hospital Pharmacists of Australia (SHPA)
- Australasian Pharmaceutical Science Association (APSA)

CERTIFICATIONS

- Introduction to IBM SPSS Statistics and Statistical Analysis Using IBM SPSS Statistics Customized
- Comprehensive Systematic Review Training Program (CS RTP)
- Basic Life Support BLS (King Khalid University Hospital)
- Protecting Human Research Participants (The National Institutes of Health (NIH) Office of Extramural Research)
- National Inpatient Medication Chart (Australian National Prescribing Services)
- Australian Pharmacy Preceptor Education Program (A collaborated program between academic staff at Charles Sturt University, Monash University, the University of Sydney and the University of Tasmania Accredited by the Pharmaceutical society of Australia)

HONORS AND AWARDS

King Saud University Scholarship, Ministry of Higher Education, Saudi Arabia to study Master and Doctor of Philosophy (Ph.D.) degrees from Australia

Recipient of The University of Sydney Postgraduate Research Support Scheme (PRSS) for three consecutive years 2010, 2011 and 2013