

Dr. Rimal Mousa

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Department of Biopharmaceutics and Clinical Pharmacy

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Dr. Rimal Mousa

Education

September 2013 – August 2017 Doctor of Philosophy (PhD), University of Nottingham

Investigating the cost-effectiveness of using different treatment strategies in older women with primary breast cancer

Sept 2009 – July 2011 MSc degree in clinical pharmacy with G.P.A: 3.78 , The first rank. Excellent

(The evaluation of the development of anti-insulin neutralizing antibodies in diabetic patients treated with exogenous insulin)

Sept 2004 – Jul 2009 BSc University of Jordan /Faculty of pharmacy- with G.P.A: 3.78 , The third rank. Excellent

Employment History

August 2017– To date Assistant professor of Health economics, University of

Jordan

Oct 2012 – July 2013 Teaching assistant, University of Jordan/ School of Pharmacy

Professional Experiences

One year training at the Hospital of the University of Jordan, including administration and prescription of drugs in all departments of the hospital

Three months On-The-Job-Training in “Pharmacy One” in Amman/ Jordan

5 month training in JU hospital as clinical pharmacist in outpatient and inpatient setting, make clinical Rotation with physicians in different department (infection, pediatric, surgery, GI, dialysis) discuss with them drug related problem In term of safety and efficacy (based on guidelines and evidence based medicine) and Make patient education about his/her medications(in both knowledge and adherence)

Research Experience/Skills

September 2013-July 2014. Conducting a systematic review of economic evaluation using different treatment strategies in postmenopausal women with primary breast

Skills: systematic literature review using a large number of database, including NHS Economic Evaluation Database, Cochrane Library, Ovid Medline, PubMed, and EMBASE, evidence based medicine, quality and modelling methodology assessment of studies, critical appraisal, screening the literature and summarize the key parameters using Microsoft access

July 2014- March 2015. Data analysis of a large longitudinal database of older women, who were diagnosed with primary breast cancer at age over 70 years, identifying treatment pathways, clinical effectiveness, and resource use.

Skills: Regression analysis including survival analysis for time to event data, multinomial logistic regression and generalized linear model for imputing missing data

March 2015-Dec 2015. Conducting an economic evaluation alongside an observational studies

Skills: Effectiveness and cost analysis, bootstrapping, utility mapping using multinomial logistic regression, propensity score matching to minimize the selection bias

December 2015-March 2016. Conducting an economic evaluation based on a decision analytical model combining data from different sources

Skills: designing a Markov model based on literature, Monto Carlo simulation, bootstrapping, conducting a decision analytical model using excel, regression analysis such as Weibull regression, costing analysis

Publications

Published Conference Abstracts

Conference presentations

Mousa R, Chen LC, Cheung KL. An evidence-based model design to inform the cost-effectiveness evaluation of primary endocrine therapy and surgery for older women with primary breast cancer. Value in Health. 2014;17(7):A638.

Mousa R, Chen LC, Cheung KL. An evidence-based model design to inform the cost-effectiveness evaluation of primary endocrine therapy and surgery for older women with primary breast cancer. Poster Presentation. Primary breast cancer symposium 15 March 2015

Mousa R, Chen LC, Cheung KL. Cost-effectiveness of primary endocrine therapy against surgery for older women with primary breast cancer. Poster Presentation. ISPOR 2016. Annual international congress 24 May 2016, Washington DC.

Prizes and awards

Academic

Full scholarship that involve tuition fees and live expenses for MSc degree from Ministry of Higher education and scientific research in Jordan

Best winner of poster (*The evaluation of the development of anti-insulin neutralizing antibodies in diabetic patients treated with exogenous insulin*) in 2012

Research interest

- Evaluating the cost effectiveness of different health care intervention
- Conducting systematic review and critical appraisal studies
- Developing and evaluating health interventions aiming to improve Health care and patient outcomes
- Conducting regression to analyze long-term database

References

Available upon request