

6th Dubai Health Authority Nursing and Midwifery Research Conference

Research in the Nursing Profession: Contributing towards improvement of health and wellness

September 30th, 2013

Prof. Tam Truong Donnelly, PhD



- What do we mean by “evidence-based practice” (EBP)
- What is research and why do we, nurses need to incorporate research into our professional practice which will ultimately lead to better care for our patients/clients.
- University of Calgary-Qatar (UCQ)

What is evidence-based practice?

- many definitions
- the experimental studies, randomized clinical trials only
- experimental studies, randomized clinical trials and **exploratory and descriptive studies**
- experimental studies, randomized clinical trials, exploratory and descriptive studies, and **case reports and expert opinions**

Alba DiCenso and her colleagues

EBP is “the integration of best research evidence with clinical expertise and patient values to facilitate clinical decision making”

Evidence-Based Nursing: A Guide to Clinical Practice

- [Alba DiCenso](#) (Author), [Gordon Guyatt](#) (Author), [Donna Ciliska](#) (Author)

Definitions of Research

Research:

- Systematic inquiry using disciplined methods to solve problems or answer questions

Nursing Research:

- Systematic inquiry to develop knowledge about issues of importance in the nursing profession

Why Nursing Research?

Evidence-based practice

- Use of the best clinical evidence in making patient care decisions

Cost containment

- Reduce cost, improve outcomes and find more efficient ways of patient care

Demonstrating value of nursing

- Does Nursing make a difference?
- Linking theory to education and practice

UCQ Research

Vision

UCQ Research Department will be the faculty and students center for research excellent and innovation.

UCQ Research

Mission Statement

To achieve our vision and contribute to the development and achievement of both Qatar National Research Strategy 2012 (QNRS 2012) and University of Calgary's vision we will:

- foster research culture, build, and increase capacity for research
- inspire and support faculty and students in developing and advancing their research potential for discovery of new knowledge
- transfer new knowledge into tangible and applied products and services
- disseminate new knowledge for the benefit of the society and for improving the health and social well-being of Qatar's population.

UCQ Research

University of Calgary – Qatar Strategic Research Plan 2013 – 2017

[http://www.qatar.ucalgary.ca/sites/default/files/
UCQ-Strategic-Research-Plan-2013-2017.pdf](http://www.qatar.ucalgary.ca/sites/default/files/UCQ-Strategic-Research-Plan-2013-2017.pdf)

UCQ Research Office

Core Team Members

- Associate Dean, Research
- Research Grants Officer
- Administrative Assistant
- Post-Doctoral Fellows

Additional Team Members

- Research Project Managers/Coordinators
- Research Project Assistants

Services offered by UCQ RO

- Funding Information
- Signatures for Letter of Support, documents, etc.
- Proposal review, vetting and suggestions via QNRF online submission system
- Academic support
 - Knowledge Translation
 - Knowledge Dissemination
- Liaison in pre- and post-award phases between investigators and QNRF
- Learning opportunities
- Others

Collaboration

- **Internal Collaboration**
 - Centre for Teaching and Learning
 - Other departments
- **External Collaboration**
 - Academic institutions in Education City, Qatar
 - Health Care Institutions and Providers in Qatar
 - University of Calgary (main campus)
 - International



QNRF

Established in 2006 to fund original, competitively selected research

Objectives:

- Build human capacity
- Create a research culture in Qatar
- Conserve vital national assets
- Foster improvement in the areas of health, environment, and security
- Expand the participation of women in the workplace
- Raise Qatar's international profile in research



4 Programs and more

- 1. Undergraduate Research Experience Program (UREP)**
- 2. National Priorities Research Program (NPRP)**
3. Junior Scientists Research Experience Program (JSREP)
4. Secondary School Research Experience Program (SSREP)



Undergraduate Research Experience Program (UREP)

- Lunched in 2006
- Open to all academic institution in Qatar
- More than 70 % of awarded students are women
- Internationally peer reviewed
- \$4 million awarded annually



Undergraduate Research Experience Program (UREP)

Objectives:

- Support students and faculty from all universities and colleges in Qatar
- Promote “learning by doing” through hands-on mentorship
- Teach students to collaborate with faculty, graduates, undergraduate, and research staff
- Contribute to the wider participation of women in the economy by improving workforce skills
- Develop student capabilities
- Foster the research culture in Qatar



Undergraduate Research Experience Program (UREP)

Policy

- Two UREP cycles per year (March and October)
- Grants of 10,000.00 are awarded for a period of one year
- Collaborative research is encouraged
- About 15% of successful proposals in each cycle
- Awarded proposals can be viewed at www.qnrf.org



Undergraduate Research Experience Program (UREP)

Eligibility of Primary Faculty Member (PFM=PI) and others

- holds a PhD or a terminal degree which is considered the highest degree in a field of study.
- if does not hold a terminal degree, then at least one collaborating faculty member or mentor must hold a PhD or a terminal degree.
- All members of the supervisory team, including mentors, must hold a university degree as a minimum.
- The PFM must only choose students participants from his/her own institution.



National Priorities Research Program (NPRP)

- Lunched in 2007
- NPRP is QNRF's flagship funding program
- More than 50 Qatari submitting institutions
- Involves 239 collaborative institutions from 49 countries in the world
- Awarded 411 projects for the values of 346 million USD
- Internationally peer reviewed



National Priorities Research Program (NPRP)

Objectives:

- Support projects relevant to Qatar national goals
- Encourage multi-institution and multidiscipline collaboration
- Support the natural sciences, engineering and technology, medical and health sciences, agricultural sciences, social sciences and humanities
- Give special status to extra-meritorious proposals



National Priorities Research Program (NPRP)

Policy

- One NPRP cycle per year
- Grants between 20,000 to 300,000 USD per year up to 3 years
- Researchers working abroad can apply, but they must collaborate with a Qatar submitting institution
- Approximately half of all submissions are in collaboration with international organizations
- Give special support to extra-meritorious proposals that require more fund. The NPRP-Exceptional Proposal program offers a maximum of 5 millions USD with project duration of up to 5 years.



National Priorities Research Program (NPRP)

Eligibility of Lead Principal Investigators (LPIs)

- must hold a research oriented doctorate or any of the approved listed terminal degree .
- should have at least five peer reviewed publications .
- must have a good track record in research and particularly good research skills and experience in the field of the proposed project.
- should be affiliated with a well-recognized academic institute, research institute, research oriented company, or research organization from the public or private sector.



National Priorities Research Program (NPRP)

Funding Eligibility

- Grants will range from US\$20,000 up to a maximum of US\$300,000 per proposal, per year.
- QNRF reserves the right to reduce the total budget requested by the LPI, based on the recommendations of the PRs.
- Funds will then be made available to the successful LPI's submitting institution inside the State of Qatar for awarded proposals
- The total annual budget (direct and indirect) must be expended at least sixty-five percent (65%) of the total annual award inside Qatar.
- Proposals which were submitted but were not funded in a previous NPRP cycle may only be resubmitted one time in the subsequent cycle.

UCQ Research and Scholarship Activities

Undergraduate Research Experience Program (UREP)

- **Funded UREP projects since Jan, 2010 to date: 11**
- **Total UREP Funding to date: 516,000.00 USD**

| Title | Year | Principal Investigator | Co-investigators |
|--------------------------------------------------------------------------------------------------------|-------------|-------------------------------|--------------------------|
| A retrospective study examining climatic influence on the respiratory health of Qatar residents | 2013 | Dr. Kevin Teather | Dr. Kim Critchley |
| Developing a corpus of verbal clinical Nursing instruction | 2013 | Mr. Jason Hickey | Dr. Ken Ryba |

| Title | Year | Principal Investigator | Co-investigators |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Exploring Professional Intervention and Support for Breastfeeding Practices in the Primary Health Care Centers in Qatar: A Mixed-Method Study</p> | <p>2012</p> | <p>Behi Nikaiin T. Donnelly</p> | <p>Sadriya Al-Kohji Aisha Yousif Areej Abu Joundi Asmaa Hassan Eman AlNaimi Fatima Al-Obaidan Yassmin Hussein</p> |
| <p>The Design, Delivery & Evaluation of a Global Health Education-Research Program Focused on Maternal-Child Health</p> | <p>2011</p> | <p>Mary Lou King</p> | <p>Sajjad ur Rahman Amna Aden, Reem Jumah, Salma Khan, Stephany Tappa Daya, Asmaa Hassan, Jamilla Hassan</p> |
| <p>Assessing English Language Placement Tests for Use in Qatari Post-Secondary Institutions</p> | <p>2010</p> | <p>Virginia Christopher Karen Brooke Brad Johnson</p> | <p>Nouf Al Kuwari Mona Ali Aden Mihad Ibrahim umaima Souyah</p> |

| | | | |
|-------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| International learning styles of post-secondary students in Qatar | 2010 | T. Lemke- Westcott B. Johnson, | B. Al Naqeeb, Y. Al Egami, S. Nouh, N. Khan |
| Strengthening Primary Health Care Nursing in Qatar: Preliminary Pilot Studies | 2010 | Johnson, B., Malo, D | Al Hebabi, J., Al Jasmi, L., Pervez, S., Syed, G., Yadegari, F., Whitehead, C |
| Exploring ways to assist patients in Qatar dealing/cope with chronic illness. | 2010 | J.M. Graham D. Duff | Elyssa Warkentin |
| Neuroscience Nursing in Qatar: Descriptive Exploratory Study of Practice and Educational Needs | 2010 | -I. Kelly L. Moralejo | Duff, D., Gaudine, A., Kelly, I., & Moralejo, L., Young, E., Yousif, A., Karib, A, Hassan, A., Bouafif, M., Bob-Ume, M., Caleja, S, Ahmed, T., & Hussein, Y. |

**Exploring Factors Influence
Lifestyle Risk Behaviours
Associated with Cardiovascular
Diseases Amongst Qatari
Women**

2010

**- T. Donnelly
- Jassim Al
Suwaidi**

**Undergraduate Students:
Noora Rashid Al Enazi
Asmaa Hassan Abu Hassan
Asma Mohammad Rehman
Abdul Rahman
Zeinab Idris
Khadra Yassin
Asma Mohammad Albulushi**

**Contextual Factors Influence
Breast Feeding Practices in the
State of Qatar**

2010

**- Behi Nikaiin
- T. Donnelly**

**Nishith Patel
Jessy Shibu
Undergraduate Students:
Roqaia Ahmad Dorri
Ambreen Saleh Muhammad
Nahrida Nazir Band Khiyal
Meer
Afrah Moosa Saleh**

UCQ Research and Scholarly Activities

National Priorities Research Program (NPRP)

- **Funded NPRP projects since June, 2010 to date: 4**
- **Total NPRP Funding to date: 3,339,609.78 USD**

| Title | Year | Principal Investigator | Co-investigators |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fostering Active Living and Healthy Eating Through Understanding of the Physical Activity and Dietary Behaviours of Arabic-Speaking Adults Living in Qatar | 2013-2016 | T. Donnelly | Kathleen Benjamin Sheikha Al-Anoud bint Mohammad Al-Thani Al-Hareth Al-Khater Kim Critchley Mohamed Ahmedna Tak Shing Fung Kevin Teather Ailsa Welch |
| Exploring Depression Amongst Cardiovascular Patients Living in the State of Qatar | 2012-2015 | T. Donnelly | Jassim Mohd Al Suwaidi Awad Al-Qahtani Nidal Asaad Najla Abdul Qader Carolyn Byrne Rajvir Singh Tak Fung |

| Title | Year | Principal Investigator | Co-investigators |
|-----------------------------------------------------------------------------------------------------------|-----------|------------------------|---------------------------------------------------------------------------------------------------------------|
| Implementing Inter-Professional Undergraduate Health Professional programs Health Care Education in Qatar | 2011-2014 | B. Johnson | Pyburn R, Bolan C, Byrne C, Jewesson P, Robertson-Malt S, El-Tawil M, Verjee M. |
| Factors Influence Breast Cancer Screening Practices Amongst Arabic Women Living in the State of Qatar | 2010-2013 | T. Donnelly | Al-Hareth Al-Khater Mohamed Al-Kuwari. Nabila Al-Meer Salha Bojusoom Mariam Malik Rajvir Singh |

**Total Research Funding received since Jan
2010 to date for both NPRP and UREP
projects: 3,855,609.78 USD**

Peer Reviewed Articles Publications

- Johnson B, Pyburn R, Bolan C, Byrne C, Jewesson P, Robertson-Malt S, El-Tawil M, Verjee M. Qatar Interprofessional Health Council: IPE for Qatar, *Avicenna*. 2011:2
- Jamila Hassan Asmaa Hassan Mary Lou King. (JULY 2012). Nursing Image in Qatar: Past, Present and Future. *Middle East Journal of Nursing*, 6 (4), 26-28
- Karen Brooke, Mona Aden, Noof Al-Kuwari, Virginia Christopher, Mihad Ibrahim, Brad Johnson, and Oumaima Souyah (June 2012). Placement Testing in an EFL Context. *TESOL Arabia Perspectives*, 19 (2). 13-20.
- Lemke-Westcott, T. & Johnson, B. (2012). When culture and learning styles matter: A Canadian university with Middle Eastern students. *Journal of Research in International Education, In process: December 2012: 11(3)*.
- Lemke-Westcott, T. & Johnson, B. (2012). Different Cultures and Learning Styles Matter in a Canadian University with Middle Eastern students. *LICEJ (Literacy Information and Computer Education Journal), In process for 2012*.

Peer Reviewed Articles Publications

- Donnelly, T. T., Al Suwaidi, J., Albulushi, A., Al Enazi, N., Yassin, K., Rehman, A., Hassan, A., & Idris, Z. (In press 2012). Opportunities and challenges to engage in healthy lifestyle among Arabic women living with cardiovascular diseases in Qatar. *Health Care for Women International*.
- Donnelly, T.T; Al-Khater, A.; Al-Kuwari, M.; Singh, R.; Bujassoum Al-Bader, S.; Malik, M.; Al-Meer, N.; Chaudhry, S.; Dorri, R. (2012). Breast Cancer Screening amongst Arabic Women living in the State of Qatar: Awareness, Knowledge, and Participation in Screening Activities. *Avicenna*.
<http://www.qscience.com/doi/abs/10.5339/avi.2012.2>
- Donnelly, T. T., Al Suwaidi, J., Albulushi, A., Al Enazi, N., Yassin, K., Rehman, A., Hassan, A., & Idris, Z. (2011). The Influence of Cultural and Social Factors on Healthy Lifestyle of Arabic Women. *Avicenna*.
<http://www.qscience.com/doi/full/10.5339/avi.2011.3>
- Donnelly, T. T; Al-Khater, A.; Al-Kuwari, M.; Al-Meer, N.; Bujassoum Al-Bader, S.; Malik, M.; Singh, R.; Christie, F. (2011). Study exploring breast cancer screening practices amongst Arabic women living in the State of Qatar. *Avicenna*. <http://www.qscience.com/toc/avi//2011>

Peer Reviewed Articles Publications

- Thomas, C., Clyde, J., (2013). Game as Book: Selecting Video Games for Academic Libraries Based on Discipline Specific Knowledge, *Journal of Academic Librarianship*.
- Nikaiin, B., Donnelly, T. T., Nazir, N., Dorri, R. A., Mohammad, A., & Petal, N. (2013 in press). Contextual factors influencing breast feeding practices among Arabic women in the state of Qatar. *Qualitative Sociology Review*.
http://www.qualitativesociologyreview.org/ENG/Volume26/QSR_9_3_Nikaiin_Donnelly_Nazir_Dorri_Mohammad_Petal.pdf
- Benjamin, K., & Donnelly, T. T. (2013). Barriers and Facilitators Influencing the Physical Activity of Arabic Adults: A Literature Review. *Avicenna*. June, 2013. <http://www.qscience.com/doi/pdfplus/10.5339/avi.2013.8>
- Donnelly, T.T., Al Suwaidi, J., Alqahtani, A., Assad, N., Abdul Qader, N., Byrne, C., Singh, R., & Fung, T.S. (2012). Study exploring depression and cardiovascular diseases amongst Arabic speaking patients living in the State of Qatar: Rationale and methodology. [Global Cardiology Science & Practice](http://www.qscience.com/doi/pdfplus/10.5339/qcsp.2012.24). 17 Dec 2012.
<http://www.qscience.com/doi/pdfplus/10.5339/qcsp.2012.24>

Peer Reviewed Articles Publications

- Donnelly, T.T., Al Suwaidi, J., Alqahtani, A., Assad, N., Abdul Qader, N., Singh, R., Fung, T.S., Mueed, M., El Banna, N., & Sharara, S. (2013). Depression in Cardiovascular Patients in the Middle Eastern Populations. *International Journal of Cardiology*. Published ahead online at <http://authors.elsevier.com/sd/article/S0167527313014678>
- Kevin Teather, Natacha Hogan, Kim Critchley, Mark Gibson, Susanne Craig, Janet Hill. (2013). Examining the links between air quality, climate change and respiratory health in Qatar. *Avicenna*. <http://www.qscience.com/doi/pdfplus/10.5339/avi.2013.9>
- Sadia Munir (2013). Role of growth factors in preeclampsia: Early detection and treatment. *Avicenna*. <http://www.qscience.com/doi/pdf/10.5339/avi.2013.4>
- Donnelly, T.T., & Hwang, J. (2013). Breast Cancer Screening Interventions for Arabic Women: A Literature Review. *Journal of Immigrant and Minority Health*. Online First <http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s10903-013-9902-9>

Presentations at National and International Conferences

- In total, our faculty had representation at international and national conferences in more than 17 countries, totaling more than 40 presentations.
- Some of the countries include: Qatar, UK, USA, Italy, Turkey, Canada, Thailand, Belgium, Portugal, Ireland, Dubai, Saudi Arabia, Mauritius, Malta, Japan, Indonesia, Switzerland, South Africa, and more.

Questions?

Thank you

