

Introduction to Research Methodology

Dr Afif EL-Khaffash and Colin Kirkham are running a six week course every Tuesday from 5.30pm – 7.00pm from the 30th September 2014 until the 4th November 2014 in the Pillar Room, Rotunda Hospital.

Introduction to Research Methodology has been awarded 12 External CPD Credits. We are offering this course free of charge to Rotunda Staff. €250 for non staff. All proceeds go to the Friends of the Rotunda charity. Should you wish to register onto this course please email Sheila Thompson at friends@rotunda.ie with the following contact details: Name, Position, Mobile/Telephone Number.



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RESEARCH

The concept of causality and Experimental Design

This class will focus on exploring causality and discussing Hill's criteria of causality. Experimental study design (Randomised Trials) will be discussed and the steps taken to design and implement an experimental trial will be explored.

Non-Experimental Study Design and Data Sampling Methods

Non-experimental study designs will be discussed including planning considerations, sampling methods (including those for qualitative research).

Quantitative Data Types

Measures of central tendency, confidence intervals and dispersion, normal and skewed distributions will be described. In addition, effect size, sample size and outliers will be explored. An introduction to data entry and data protection will also be provided.

Bias and Confounding

The main types of bias will be explained and examples of bias will also be provided. Confounding and how to deal with it in studies will also be explored. The concept of effect modification and the difference between it and confounding will be explained.

Measurement, Correlation and Regression

The concept of measurement and reliability/validity, including methods of testing for them will be described. Correlation coefficients and introduction to regression models will be described.

Introduction to Biostatistics

This session will provide a basic introduction to statistical analysis in addition to testing for differences between two or more groups and the different parametric and non-parametric tests.

Fundraising

Fundraisers are the catalysts of change



L - R: Bernadette Loughran, Edna Woolhead, Mary Hannon and Dr Adrienne Foran

Mary Hannon presented the neonatal unit with a cheque for €2,320 in memory of her son, Lorcan, who was born prematurely on 5th of May 2013 at 26 weeks and 6 days.

Lorcan sadly passed away on 22nd July 2013. Mary, along with her husband David Regan and their many family and friends, have donated over €4,000 to the neonatal unit through various charitable events including the 2014 mini marathon.

Dr Adrienne Foran, Director of Paediatrics accepted the cheque from Mary on behalf of the Neonatal Unit on 19th of August. Also present were Bernadette Loughran, CNM1, and Edna Woolhead, ANP.