

In the name of God



## Lesson Plan – English for PhD students in midwifery

Tabriz University of Medical Sciences-  
Nursing & Midwifery Faculty- Midwifery Department

**Designer & Instructor:** Dr. Sakineh Mohammad-Alizadeh, Associate Professor,  
PhD in Reproductive health

**Course duration:** 17 hours, Eight 2-hour sessions + 1 hour final exam

### Aim

To enable midwifery PhD Students to enhance their English academic reading and writing skills, emphasizing on research literature.

### Students are expected:

- Before each session: to read and try to understand the identified text
- During each session: to discuss about important scientific points and notable grammatical issues of the identified text

### First Session: Opening/Framing the Lesson/Introduction

### Second Session

1. Sedgwick P. Sample size and power. *BMJ*. 2011;343. doi: 10.1136/bmj.d5579.
2. Sedgwick P. Sample size: how many participants are needed in a trial? *BMJ*. 2013;346:f1041. doi: 10.1136/bmj.f1041. PubMed PMID: 23418280.
3. Sedgwick P. Cluster randomised controlled trials: sample size calculations. *BMJ*. 2013 2013-05-03 10:39:21.
4. Sedgwick P. Sample size: how many participants are needed in a cohort study? *BMJ*. 2014;349:g6557. doi: 10.1136/bmj.g6557. PubMed PMID: 25361576.
5. Sedgwick P. Randomised controlled trials: understanding effect sizes. *BMJ*. 2015;350:h1690. doi: 10.1136/bmj.h1690. PubMed PMID: 25820302.
6. Sedgwick P. Randomised controlled trials: the importance of sample size. *BMJ*. 2015;350:h1586. doi: 10.1136/bmj.h1586. PubMed PMID: 25801454.

### Third session

1. Sedgwick P. Prospective cohort studies: advantages and disadvantages 2013 2013-11-08 11:37:03.
2. Sedgwick P. Case-control studies: measures of risk 2013 2013-02-22 11:29:28.
3. Sedgwick P. What is a factorial study design? *BMJ*. 2014;349:g5455. doi: 10.1136/bmj.g5455. PubMed PMID: 25193939.
4. Sedgwick P. Ecological studies: advantages and disadvantages. *BMJ*. 2014;348:g2979. doi: 10.1136/bmj.g2979. PubMed PMID: 25134102.

5. Sedgwick P. Before and after study designs. *BMJ*. 2014;349:g5074. doi: 10.1136/bmj.g5074. PubMed PMID: 25106742.

#### Fourth session

1. Sedgwick P. Controlled trials. *BMJ*. 2013 2013-09-25 10:52:48.
2. Sedgwick P. Open label crossover trials. *BMJ*. 2013 2013-06-28 10:54:12.
3. Sedgwick P. Cluster randomised controlled trials: sample size calculations 2013 2013-05-03 10:39:21.
4. Sedgwick P. Explanatory trials versus pragmatic trials. *BMJ*. 2014;349:g6694. doi: 10.1136/bmj.g6694. PubMed PMID: 25395503.
5. Sedgwick P. Randomised controlled trials: balance in baseline characteristics. *BMJ*. 2014;349:g5721. doi: 10.1136/bmj.g5721. PubMed PMID: 25238747.
6. Sedgwick P. What is a crossover trial? *BMJ*. 2014;348:g3191. doi: 10.1136/bmj.g3191. PubMed PMID: 25134118.
7. Sedgwick P. What is an open label trial? *BMJ*. 2014;348:g3434. doi: 10.1136/bmj.g3434. PubMed PMID: 24859904.
8. Sedgwick P, Hoop C. Placebo controlled trials. *BMJ*. 2014;348:g1635. doi: 10.1136/bmj.g1635. PubMed PMID: 24563452.

#### Fifth session

1. Sedgwick P. What is a non-inferiority trial? *BMJ*. 2013 2013-11-15 11:31:07.
2. Sedgwick P. What is a superiority trial? *BMJ*. 2013 2013-09-09 12:38:03.
3. Sedgwick P. Equivalence trials. *BMJ*. 2013 2013-01-11 12:00:11.

#### Sixth session

1. Marston L, Sedgwick P. Randomised controlled trials: missing data. *BMJ*. 2014;349:g4656. doi: 10.1136/bmj.g4656. PubMed PMID: 25038075.
2. Sedgwick P. Allocation concealment versus blinding in randomised controlled trials. *BMJ*. 2013 2013-09-13 10:37:36.
3. Sedgwick P. Randomised controlled trials: subgroup analyses. *BMJ*. 2014;349:g7513. doi: 10.1136/bmj.g7513. PubMed PMID: 25500585.
4. Sedgwick P. Randomised controlled trials: tests of interaction. *BMJ*. 2014;349:g6820. doi: 10.1136/bmj.g6820. PubMed PMID: 25398492.
5. Sedgwick P. Explanatory trials versus pragmatic trials. *BMJ*. 2014;349:g6694. doi: 10.1136/bmj.g6694. PubMed PMID: 25395503.
6. Sedgwick P. Randomised controlled trials: understanding confounding. *BMJ*. 2015;351:h5119. doi: 10.1136/bmj.h5119. PubMed PMID: 26408098.
7. Sedgwick P. Treatment allocation in trials: stratified randomisation. *BMJ*. 2015;350:h978. doi: 10.1136/bmj.h978. PubMed PMID: 25722098.
8. Sedgwick P. Intention to treat analysis versus per protocol analysis of trial data. *BMJ*. 2015;350:h681. doi: 10.1136/bmj.h681. PubMed PMID: 25663096.

#### Seventh session

1. Moher D, Hopewell S, Schulz KF, Montori V, Gotzsche PC, Devereaux PJ, et al. CONSORT 2010 explanation and elaboration: updated guidelines for reporting parallel group randomised trials. *BMJ*. 2010;340:c869. doi: 10.1136/bmj.c869. PubMed PMID: 20332511; PubMed Central PMCID: PMC2844943.

## **Eighth session**

1. Chan AW, Tetzlaff JM, Gøtzsche PC, Altman DG, Mann H, Berlin JA, et al. SPIRIT 2013 explanation and elaboration: guidance for protocols of clinical trials. *BMJ*. 2013;346:e7586. doi: 10.1136/bmj.e7586. PubMed PMID: 23303884; PubMed Central PMCID: PMC3541470.
2. Liberati A, Altman DG, Tetzlaff J, Mulrow C, Gøtzsche PC, Ioannidis JP, et al. The PRISMA statement for reporting systematic reviews and meta-analyses of studies that evaluate health care interventions: explanation and elaboration. *Ann Intern Med*. 2009;151(4):W65-94. PubMed PMID: 19622512.

## **Course Scoring**

- 10 points for the activities during the course
- 10 points for final Exam at the end of course: students will be asked about the texts presented during the course including
  - ✓ Filling blanks in English texts (3 points)
  - ✓ Translation the English text into Persian (3-4 points)
  - ✓ English witting (3-4 points)

## **Suggested further resources for improving English language skills**

1. English for Nurses and Medical Professionals.  
<http://www.englishclub.com/english-for-work/medical.htm>
2. Glossary of Cochrane terms. <http://community-archive.cochrane.org/glossary>
3. Essay and report writing skills.  
<http://www.open.edu/openlearn/education/essay-and-report-writing-skills/content-section-0>
4. Norris CB. Academic Writing in English. Language Services. University of Helsinki. 2015. [www.helsinki.fi/kksc/language.services/AcadWrit.pdf](http://www.helsinki.fi/kksc/language.services/AcadWrit.pdf)
5. Grrusedrof M. English for presentation, oxford England oxford university press. 2007
6. Walters DE, Walters GC. (2002). Scientists Must Speak. 2nd ed. Boca Raton, FL: CRC Press.
7. Oshima A and Hogue A. (2006). Writing Academic English. 4<sup>th</sup> ed, New York: Longman.