

Faculty of Health and Wellbeing

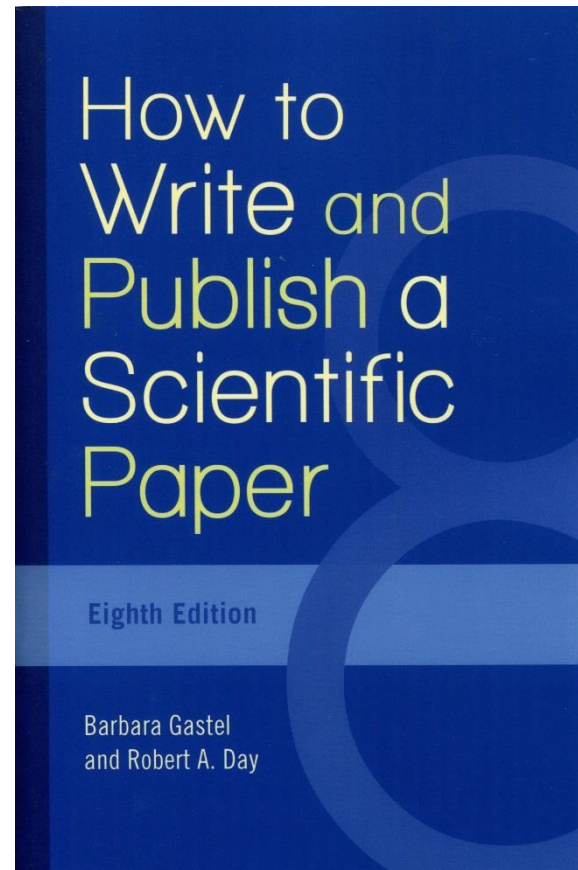
PhD Students' Training

Session 3/4 Wednesday December 07 2016: Titles and Abstracts

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Important . . .

Day and Gastel



Important . . .

Editorials



Important . . .

At every scientist's right hand . . .



IMRAD

- ◆ Introduction
- ◆ Methods
- ◆ Results
- ◆ Discussion
- ◆ **Outcome**

What drives the process of research?

- ◆ The research question
- ◆ Advance knowledge and understanding
- ◆ Change practice
- ◆ The most dangerous amount of knowledge . . .
- ◆ . . . a little

Purpose of an abstract

- ◆ Precis
- ◆ Conference
- ◆ Accompaniment to a manuscript
- ◆ For use in searches
- ◆ PhD

Authorship

If you have co-authors, problems about authorship can range from the trivial to the catastrophic.

O'Connor 1991, page 10

Authorship: Vancouver Protocol

Authorship credit should be based only on substantial contributions to:

- ◆ Conception and design, or analysis and interpretation of data; AND
- ◆ Drafting the article or revising it critically for important intellectual content; AND on
- ◆ Final approval of the version to be published.

1. Titles

- ◆ You get only one chance to make a first impression
- ◆ Concise – but not too concise . . .
- ◆ On the addition to the method of microscopic research by a new way of producing colour-contrast between an object and its background or between definite parts of the object itself
- ◆ Studies on *Brucella*
- ◆ Mechanism of suppression of nontransmissible pneumonia in mice induced by Newcastle Disease virus
- ◆ Preliminary canine and clinical evaluation of a new antitumor agent, streptovitacin
- ◆ Isolation of antigens from monkeys using complement-fixation techniques
- ◆ Model: "Effects of A on B"

2. Background

- ◆ Sets the scene
- ◆ It is well established that A beneficially influences B
- ◆ . . . but B can be affected by C although precise mechanisms are not fully understood.

3. Purpose

◆ Therefore the purpose of this study was to

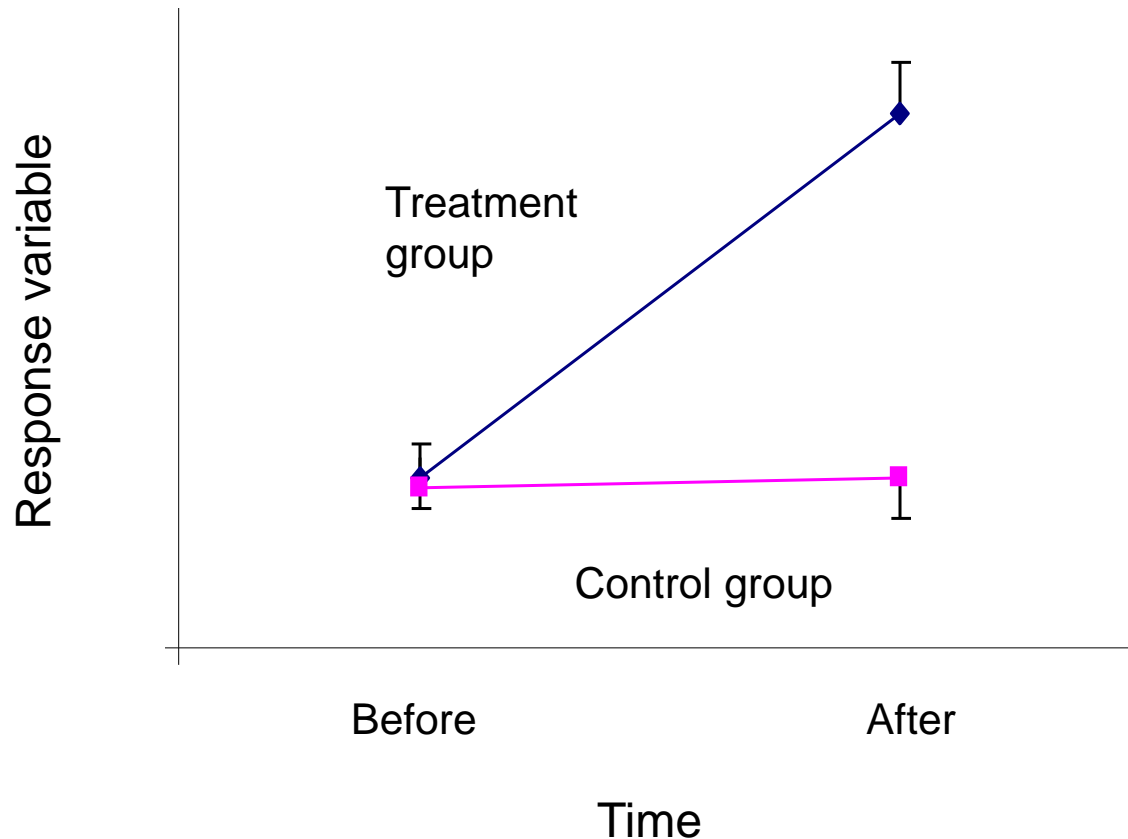
. . .

4. Methods

- ◆ With Institutional/Local Research Ethics Committee/Review Board approval . . .
- ◆ . . . n participants (details . . .) were recruited and $n - x$ completed the study.
- ◆ Participants performed . . .

Evidence-Based Practice

The Randomised Controlled Trial



4. Methods

- ◆ With Institutional/Local Research Ethics Committee/Review Board approval . . .
- ◆ . . . n participants (details . . .) were recruited and n – x completed the study.
- ◆ Participants performed . . .
- ◆ Analytical procedures – statistical or otherwise. Alpha, effect sizes (Cohen's *d*) confidence intervals . . .

5. Results

- ◆ x was greater/less than y ($d = \dots$, CI \dots , $P = \dots$)
 - ◆ x and y did not differ ($d = \dots$, CI \dots , $P = \dots$)
 - ◆ Mean and error term
 - ◆ Significant figures/decimal places
 - ◆ Table, text or figure . . .
-

6. Discussion/Conclusion

- ◆ Short
- ◆ Some will have been in the Results
- ◆ Some might be elaborated – but only slightly
- ◆ The results suggest that C
beneficially/adversely influences B, or
- ◆ C has no influence on B
- ◆ State implications for practice or the like

Points to ponder

- ◆ Use of "the"
- ◆ Six drafts
- ◆ Check requirements and adhere to them!
- ◆ Point size
- ◆ Leading
- ◆ Special symbols
- ◆ Permissions/approval