



Manuscript Writing Workshop

iNSPIRe Initiative

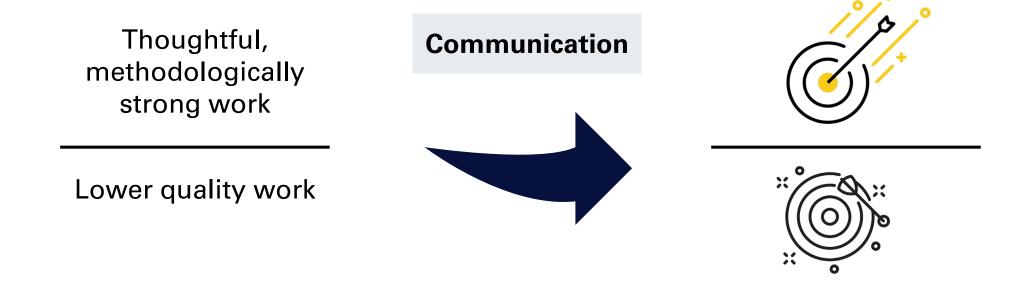
Department of Surgery

11/08/2022



Scientific writing

Study impact heavily dependent on ability to orient and describe findings





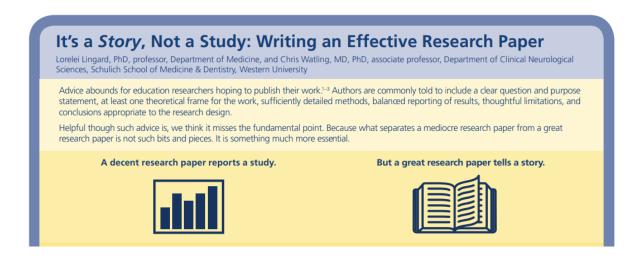


Introduction

Methods

Results

Discussion



Association for Academic Surgery

The Art and Science of Publishing: Reflections from Editors of Surgery Journals.

Association for Academic Surgery 2013 Presidential Session

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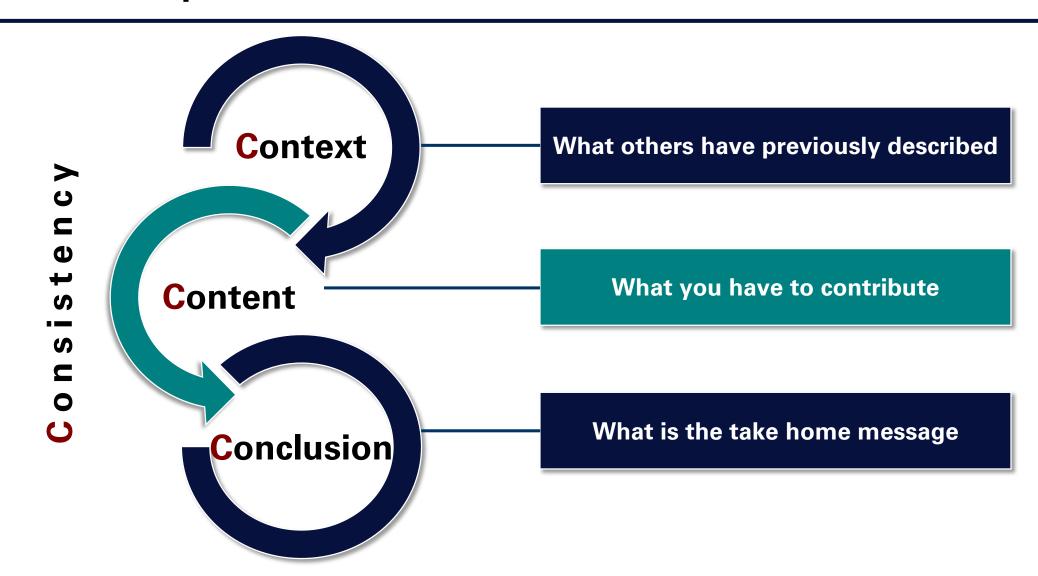


In practice

Tables/Figures Methods Report the study Results Introduction Tell the story **Discussion**



Development





Housekeeping

- Create one folder for manuscript related items
- Separate files in the folder for:
 - Manuscript
 - Tables (cite in order of appearance)
 - Figures (cite in order of appearance)
 - Supplement

Software recommendations

Manuscript writing: Scrivener Reference manager: Endnote



Tables/Figures

Dependent on study and story

- Key points:
 - Do not replicate information in tables/figures
 - Unless explaining or highlighting important facts
 - Table 1 is essential
 - Describe cohort and identify between-group differences



Methods

- Study design, data source, regulatory approvals (1st paragraph)
 - Eligibility criteria, sample size, power analysis

- Outcomes/exposures (2nd/3rd paragraphs)
 - Definitions are critical

- Statistical methods (4th paragraph)
 - Include software information



Results

Descriptive data (1st paragraph)

Primary outcome/model data (2nd/3rd paragraph)

Sensitivity/bias analysis; effect modifiers (4th/5th paragraphs)



Introduction

- Current state of affairs (1st paragraph)
 - Why does the problem matter?

Set a more focused stage for objective (2nd paragraph)

- What is the gap in knowledge?

Objective/hypothesis (3rd paragraph)

Attention grabber

Build anticipation

Call to action



Discussion

Summarize findings while restating objectives (1st paragraph)

Orient findings in context of intro (2nd/3rd/4th paragraphs)

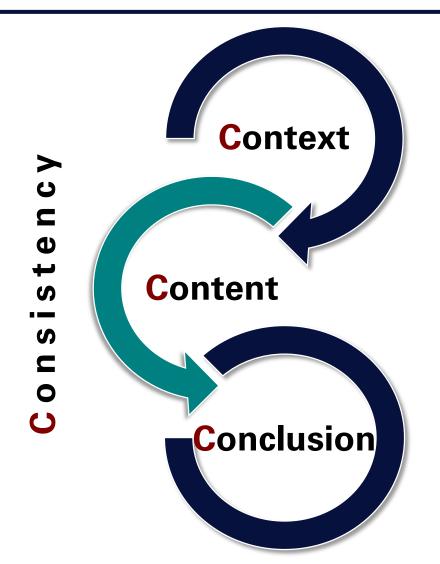
Limitations (5th paragraph)

- Conclusions (6th paragraph)
 - Future directions





Final notes



- If difficult to understand writing, readers will like content less
- Nifty composition tricks:
 - 2-3-1 rule
 - 1 idea for 1 sentence
 - Eliminate clutter
 - Read aloud
- Apply to daily writing
 - Practice refines and makes permanent



References

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