

*A guide to the path less traveled*

# ***TABLE OF CONTENTS***

# INTRODUCTION



## *I. Why conduct clinical research?*

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## *II. TYPES OF CLINICAL RESEARCH*

**cohort**

**case-controlled study**

**cross-sectional**





## References

*Designing Clinical Research, 2<sup>nd</sup> ed.*

*Manual of Basic Tools for Osteopathic Manipulative Research, revised 2007.*

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### ***III. NITTY-GRITTY TERMINOLOGY***

**Alternative hypothesis:**

**Categorical variables:**

**Cluster sample:**

**Continuous variable:**

**Confidence interval (CI):**

**Independent variable:**

**Intervention:**

**Measurement scales:**

**Methods:**

**Null hypothesis:**

**Odds ratio:**

**Sample size:**

**Significance:**

**Simple random sample:**

**Stratified random sample:**

**Study sample:**

**Target population:**

**Type I error:**

*alpha*

**Type II error:**

\_\_\_\_\_ *beta* \_\_\_\_\_  
*power.*

**Validity:**

## **References**

*Designing Clinical Research, 2<sup>nd</sup> ed.*

*Manual of Basic Tools for Osteopathic Manipulative Research, revised 2007.*

## *IV. TIMELINE*

*PGY-1*

**TOPIC SELECTION**

**IRB REQUIREMENTS**

**BOTTOM LINE**

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- 
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***PGY-2***

**STUDY DESIGN**

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*Osteopath Assoc.*

- 

*Assoc.*

*J Am*

*J Am Osteopath*

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*J Am Osteopath Assoc.*

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*J Am Osteopath Assoc.*

**REVIEW, REVIEW, REVIEW**

**STUDY IMPLEMENTATION**

**latter half**

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***PGY-3***

**POSTER PRESENTATION**

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**PUBLISHING DATA**

**References**

## *V. DESIGNING YOUR PROJECT*

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**AND THE QUESTION IS...**

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## **BACKGROUND**

**METHODS - SUBJECT PARTICIPATION – WHO, WHERE, HOW LONG?**

**PRELIMINARY DESIGN PHASE**

**DO THIS IN THE**

*Who?*

*Where?*

*How long?*

## **METHODS - DATA ANALYSIS**

## *VI. Institutional Review Board (IRB)*

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<http://www.mehaf.org/>

## *Grant Writing*

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*Annals of Internal Medicine*

*JAMA The New England Journal of Medicine The Lancet*

## *IX. RESOURCES*

### **PEOPLE**

<http://www.une.edu/research/directory/>

**NEW ENGLAND RESEARCH CLUB**

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**DIRECTOR, GERIATRIC EDUCATION AND RESEARCH**

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**TUDOR, GAIL, PHD ASSOCIATE PROFESSOR**

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Research interests:

**NICHOLAS GERE, MBA**

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Expertise:

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Phone:

## PLACES

### UNIVERSITY OF NORTH TEXAS BIOMEDICAL RESEARCH INSTITUTE – Osteopathic Research Center

Contact here is Cathleen Kearns, Administrative Director.

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E-mail: \_\_\_\_\_

<http://www.cpb.org/grants/grantwriting.html>

*Grant Proposal Writing Tips*

<http://www.hsrmethods.org/>

<http://stattrek.com/>

<http://research.mlanet.org/resbib.html>

<http://www.research.umich.edu/proposals/pwg/pwgcontents/html>

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<http://www.umass.edu/research/ogca/proceeds/dev.htm>

[http://www.umdj.edu/idsweb/gsc/research\\_design.htm](http://www.umdj.edu/idsweb/gsc/research_design.htm)

<http://rf.osu.edu>





## *X. LESSONS LEARNED*

### **FINDING A MENTOR**

**Research experience**

**Work ethic**

**Time**

### **RECRUITING SUBJECTS**

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**Presence –**

*reminding*

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**Time**

**MULTIPLE (YES, MULTIPLE) PROJECT REVIEWS**

**START SMALL**



## Appendix B - Table of Project Timeline

<u>PGY-1</u>	<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li></ul>
<u>PGY-2</u>	<ul style="list-style-type: none"><li>•</li></ul>

## **APPENDIX C - POSTER TEMPLATE**

## **APPENDIX D – HARD COPY OF BIOSKETCH**

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