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 **cross-sectional**

case-controlled study

References

Designing Clinical Research, 2nd ed.

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

III. NITTY-GRITTY TERMINOLOGY

Alternative hypothesis:

Categorical variables:

Cluster sample:

Continuous variable:

Confidence interval (CI):

Independent variable:

Intervention:

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, 2nd ed.

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

IV. TIMELINE

PGY-1

TOPIC SELECTION

IRB REQUIREMENTS

BOTTOM LINE

-
-
-
-

PGY-2

STUDY DESIGN

- *J Am Osteopath Assoc.*
- *J Am Osteopath Assoc.*

- *J Am Osteopath Assoc.*
- *J Am Osteopath Assoc.*

REVIEW, REVIEW, REVIEW

STUDY IMPLEMENTATION

latter half

PGY-3

POSTER PRESENTATION

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-
-
-
-
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PUBLISHING DATA

References

V. DESIGNING YOUR PROJECT

-
-
-

AND THE QUESTION IS…

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BACKGROUND

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

DO THIS IN THE PRELIMINARY DESIGN PHASE

Who?

Where?

How long?

METHODS - DATA ANALYSIS

VI. Institutional Review Board (IRB)

http://www.mehaf.org/

Grant Writing

JAMA *The New England Journal of Medicine* *The Lancet* *Annals of Internal Medicine*

IX. RESOURCES

PEOPLE

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

NEW ENGLAND RESEARCH CLUB

MARILYN R. GUGLIUCCI, PHD
DIRECTOR, GERIATRIC EDUCATION AND RESEARCH

TUDOR, GAIL, PHD ASSOCIATE PROFESSOR
Research expertise:

Research interests:

NICHOLAS GERE, MBA
E-mail:
Expertise:

JACK GINTY, EXECUTIVE DIRECTOR OF MAINE OSTEOPATHIC ASSOCIATION
Phone:

AMY DAVIDOFF, PHD, PROFESSOR, DEPARTMENT OF PHARMACOLOGY, UNECOM
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Research interests:

Expertise:

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

SOUTHERN MAINE OSTEOPATHIC GROUP (S.M.O.G)
Ira Stockwell, D.O., President
Phone:

PLACES

UNIVERSITY OF NORTH TEXAS BIOMEDICAL RESEARCH INSTITUTE – Osteopathic Research Center

Contact here is Cathleen Kearns, Administrative Director.
Phone:
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

http://www.umass.edu/research/ogca/proceds/dev.htm

http://www.umdnj.edu/idsweb/gsc/research_design.htm

http://rf.osu.edu

X. LESSONS LEARNED

FINDING A MENTOR

Research experience

Work ethic

Time

RECRUITING SUBJECTS

___ ___

Presence –

reminding

Time

MULTIPLE (YES, MULTIPLE) PROJECT REVIEWS

START SMALL

Appendix B - Table of Project Timeline

PGY-1	• • • •
PGY-2	•

APPENDIX C - POSTER TEMPLATE

APPENDIX D – HARD COPY OF BIOSKETCH