Name:	_ Stu	dei	nt	II	D:										
Clinical Research															•
INSTRUCTIONS: The following items are tasks related to perform task by selecting a single number from one to ten that best deare that you can successfully perform these tasks today.	orming clinical res	searc	h.	Ple	eas	e in	dic	ate	yo	ur a	abili	ty to			
Conceptualizing a Study															
 (1) Select a suitable topic area for study. (2) Refine a problem so it can be investigated. (3) Develop a logical rationale for a particular research idea. (4) Organize your proposed research ideas in writing. (5) Articulate a clear purpose for the research. (6) Place one's study in the context of existing research and justify how it contributes to important questions in the 	No Confidence No Confidence No Confidence No Confidence	0 0 0 0	1 1 1 1	2 2 2 2	3 3 3	4 4 4 4	5 5 5 5	6 6 6	7 7 7 7	8 8 8	9 9 9	10 10 10 10 10	Total Total Total Total	Confide Confide Confide Confide	ence ence ence ence
area	No Confidence	U	1	2	3	4	5	Ь	1	8	9	10	lotai	Confide	ence
 (7) Compare major types of studies (such as case reports, case controls, cross-sectional, longitudinal and epidemiological studies, clinical trials, etc.). (8) Recognize important threats to internal and external validity applicable to each research design. (9) Choose an appropriate research design that will answer 	No Confidence											10 10		Confide Confide	
a set of research questions and/or test a set of hypotheses. (10) State the purpose, strengths and limitations of each study design.	No Confidence				3						9	10 10		Confide	
 (11) Design a study using qualitative methods, e.g. focus groups or interviews. (12) Design a study using quantitative methods, e.g. experimental, quasi-experimental designs or clinical 	No Confidence											10		Confide	
trials	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total	Confide	ence
(13) Determine an adequate number of subjects for your research project.(14) Select methods of data collection appropriate to the	No Confidence											10		Confide	
study population and variable(s) of interest	No Confidence No Confidence											10 10		Confide Confide	
assess variables	No Confidence No Confidence	0			3						9	10 10		Confide Confide	
(18) Identify experts in your area of interest.(19) Consult senior researchers for ideas.(20) Identify faculty collaborators from within and outside the	No Confidence No Confidence	0			3		5	6	7	8	-	10 10	Total	Confide Confide	ence
discipline who can offer guidance to the project (21) Initiate research collaborations with colleagues (22) Participate in generating collaborative research ideas	No Confidence No Confidence No Confidence	0 0 0	1	2	3 3 3		5 5 5	6		8		10 10 10	Total	Confide Confide Confide	ence

No Confidence

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

2 3 4 5 6 7

Total Confidence

Total Confidence Total Confidence

Total Confidence

Total Confidence

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(24) Terminate a collaboration that isn't working.....

(25) Work independently in a research group.

national) to support a study.....

(28) Establish a sufficient timeline for a grant application. . . .

(29) Locate appropriate forms for a grant application.

(30) Prepare a project budget for a grant application.

(31) Establish collaborator and consultant agreements for a

(26) Identify appropriate funding sources (local, state,

Funding a Study

Clinical Research Appraisal Inventory Evaluation grant application..... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** Planning and Managing Your Research Study (33) Maintain an organized system for ideas and references. No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (34) Develop plans for implementing a study, including timeline, budget and requirements for personnel, **Total Confidence** No Confidence 0 1 2 3 4 5 6 7 8 9 10 (35) Maintain a log of your research process (experiments conducted, major decisions, analyses performed, etc.). No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (36) Prepare and submit required reports, budget requests, and other documents to institutional administrators and No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** Protecting Research Subjects and Responsible Conduct of Research (37) Identify the responsibilities of research institutions and regulatory agencies in conducting research. No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (38) Describe appropriate recruitment and retention No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (39) Apply the appropriate process for obtaining informed No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (40) Write a human subjects consent form containing the appropriate elements..... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (41) Design a process utilizing special considerations for obtaining consent from vulnerable subjects. No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (42) Describe ethical concerns with the use of placebos in clinical research..... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (43) Discuss ethical issues involved in conducting genetic research..... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (44) Explain the potential risks and other special 0 1 2 3 4 5 6 7 8 9 10 considerations associated with behavioral research. . . . No Confidence **Total Confidence** (45) Be knowledgeable and respectful of ethical challenges associated with conducting research with vulnerable or No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (46) Describe circumstances when the HIPAA Privacy Rule applies to research...... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** Collecting, Recording and Analyzing Data (47) State the relationship between the chosen research design, the type of data collected, and the necessary statistical techniques..... **Total Confidence** No Confidence 0 1 2 3 4 5 6 7 8 9 10 (48) Evaluate the reliability and validity of a given measurement..... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (49) Ensure data collection is reliable across trials, raters, or No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** equipment....... 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** No Confidence (51) Organize data to store and analyze in a computer system....... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (52) Analyze data according to their level of measurement No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (53) Avoid the violation of statistical assumptions. No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (54) Consult/collaborate with computer specialists or statisticians on how to handle missing data. No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (55) Perform commonly used statistical tests, such as chisquare, t-test, analysis of variance, correlations, and multiple regression..... No Confidence 0 1 2 3 4 5 6 7 8 9 10 **Total Confidence** (56) Perform more advanced statistical tests used in one's research area, such as discriminant analysis, principal components analysis, multiple logistic analysis, survival 0 1 2 3 4 5 6 7 8 9 10 No Confidence Total Confidence

Student ID:

Name:

Name:	Student ID:												
Clinical Research Appraisal Inventory Evaluation													
analysis, or time series analysis	rr				•	,							
(57) Use computer software to generate graphic images, such as flow charts or theoretical models Interpreting Data	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(58) Explain the outcome of given analysis in terms of the originally stated hypothesis or research questions(59) Express appropriate methodological and theoretical	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
cautions in interpreting results	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(60) Identify limitations of a study	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
what requires further study	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(62) Effectively edit your writing to make it logical and													
succinct	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
data	No Confidence	0	-	2	_	4	-	-	7	-	9	10	Total Confidence
(64) Select a journal for a manuscript submission(65) Organize a research report for a journal article according to an appropriate professional format and	No Confidence	0	1	2	3	4	5	6	1	8	9	10	Total Confidence
standards	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(66) Write a literature review that critically synthesizes the literature relevant to your own research question(67) Write a methods section that conveys sufficient	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
methodological detail to permit subsequent replication													
of your work by others	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
interpretative comments	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(69) Report results in both narrative and graphic form(70) Write a discussion section for a research paper that articulates the importance of your findings relative to	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
other studies in the field	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(71) Prevent authorship disputes	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
(72) Describe the stages of a manuscript review	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
manuscript review	No Confidence	0	1	2	3	4	5	6	7	8	9	10	Total Confidence
Presenting Your Study													
(74) Design visual presentations (posters, slides, graphs,													
pictures)	No Confidence	0	1	2	3	4			7			10	Total Confidence
(75) Orally present results at a regional or national meeting. (76) Defend results to a critical audience	No Confidence No Confidence	0	1		_	4			7 7			10 10	Total Confidence Total Confidence

(77) Overall, how confident are you to successfully perform the various tasks related to clinical research?

Not Confident Somewhat Confident Confident Very Confident Totally Confident

Thank you for your participation.