APPENDIX 1

STEPS IN DESIGNING A CLINICAL RESEARCH PROJECT

A. The Planning Steps:

1. Decide what the research question is.
2. Write out the objectives/specific aims.
3. Define the variables.
4. Define the study population.
5. Refine the objectives into written, testable hypotheses.
6. Anticipate error and bias.
7. Develop the study design/method.
8. Estimate sample size and power.
9. Write a protocol.
10. Plan the data collection process.

B. The Implementation Steps:

1. Manage and monitor data collection.
2. Manage the database.
3. Analyze the results by tables and graphs.
4. Test the hypotheses with statistical tests.
5. Generate additional tables and graphs to explain the findings.
6. Publish the results.

Steps from: © Research Manual for Faculty, Residents, and Medical Students. University of Tennessee College of Medicine Chattanooga.