

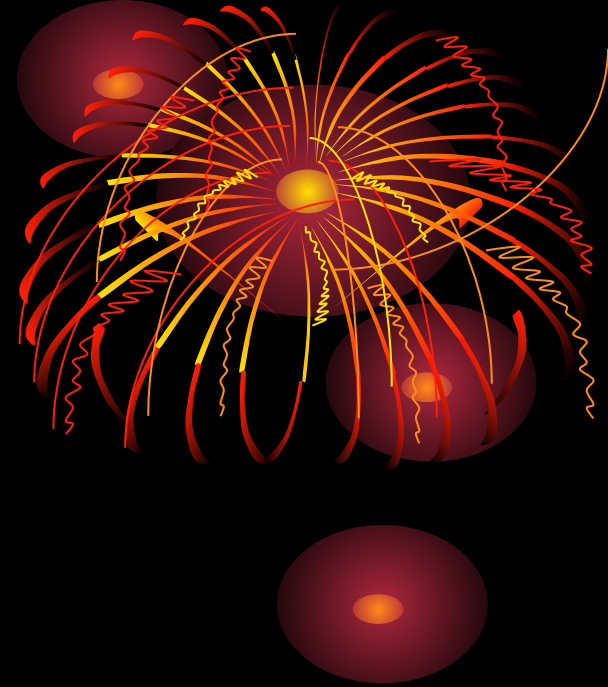


Introduction to research Methodology

**Dr Horace Fletcher
Department of Obstetrics
and Gynaecology**

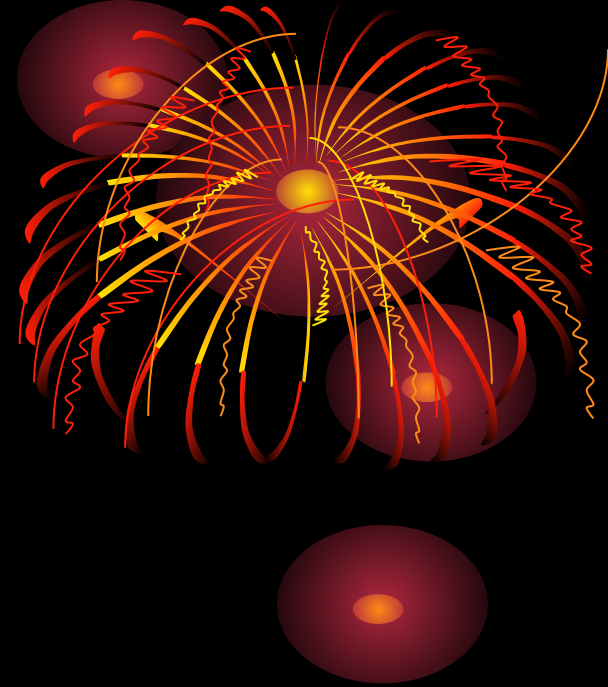
Why do research?

- **Validate intuition**
- **Improve methods**
- **Demands of the Job**
- **For publication**



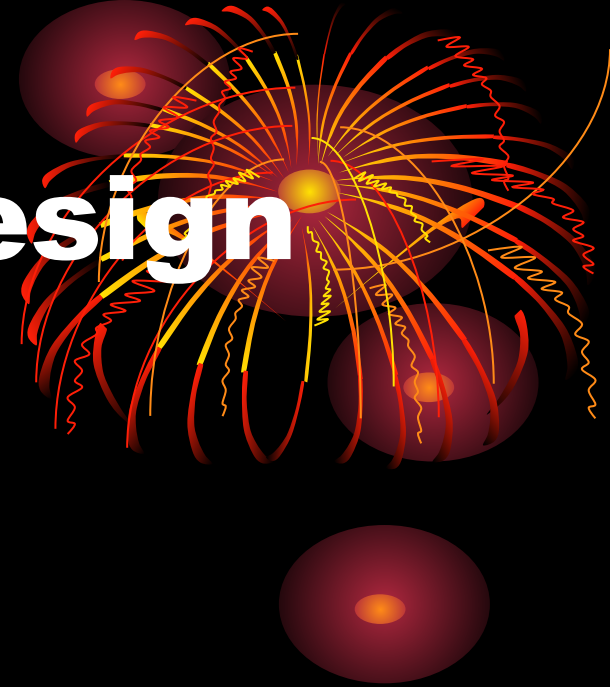
Choose a subject

- **Based on an idea**
- **Based on your experience**
- **Based on your reading**
- **Originality**



Choose a study design

- **Case report**
- **Case series**
- **Case controlled study**
- **Cross sectional**
- **Cohort**
- **Retrospective comparison**
- **Prospective Comparison**



A Case report

- **Description of one interesting and unusual case**
- **This is anecdotal and may form the basis for further study**
- **This may be the only way to report on something very rare**



Case series

- **Description of several cases in which no attempt is made to answer specific hypotheses or compare results with another group of cases.**



Cross sectional study

- **A survey of the frequency of disease, risk factors or other characteristics in a defined population at one particular point in time.**



Cohort study



- **An observational study of a group of people with a specific characteristic or disease who are followed over a period of time to detect change**
- **Comparison with control group is allowed**

Case control study

- **An observational study where characteristics of people with a disease (cases) are compared with selected people without the disease (controls)**



Controlled Trials



- **An experimental study in which an intervention is applied to one group and the outcome compared with that in a similar group (controls) not receiving the intervention**

If your hubby wasn't able to get you pregnant, would you allow another man to do so?

SOME weeks ago Jamaican men responded to the question, if you could not get your wife pregnant, would you allow another man to do so? This week we asked women, if your husband was unable to get you pregnant, would you allow another man to do so?

One woman's response was that she would allow another man to get her pregnant. "Fi real mi would do it, but a can't give my name. And no picture. My man will beat me up. So don't bother with the camera business." Here are the views of the other women.

Jullan Hermitt, unemployed.
"I wouldn't do it. That would be unfaithful. I would rather adopt child."



Jullan Hermitt

Antoinette Brown, 21, hairdresser.
"No way would I allow another man to get me pregnant. My husband may find out some day and then I would have nothing to say if he treats me badly."



Antoinette Brown



THE PUBLIC SAYS

Niomi Broderick, 22, Bartender.

"No, before I allow another man to get me pregnant, I would leave him. Strictly no jacket for my husband. He is bound to find out."



Niomi Broderick

Natalya James, 22, unemployed.

"Instead of allowing another man to get me pregnant, I would pray hard to the Lord that my husband will be able to get me pregnant. Faith in the Lord is strong."



Natalya James

Janel Peters, 17 student.

"No, I would have to discuss that with my husband. He would need to know my decision in finding another man to get me pregnant. I would want

my husband to lose confidence in me."



Janel Peters

Sandy, 21.

"No. I wouldn't do it. I love my boyfriend and he loves me too. Cheating on my husband could mash up the marriage and what if I cannot get another man like him."



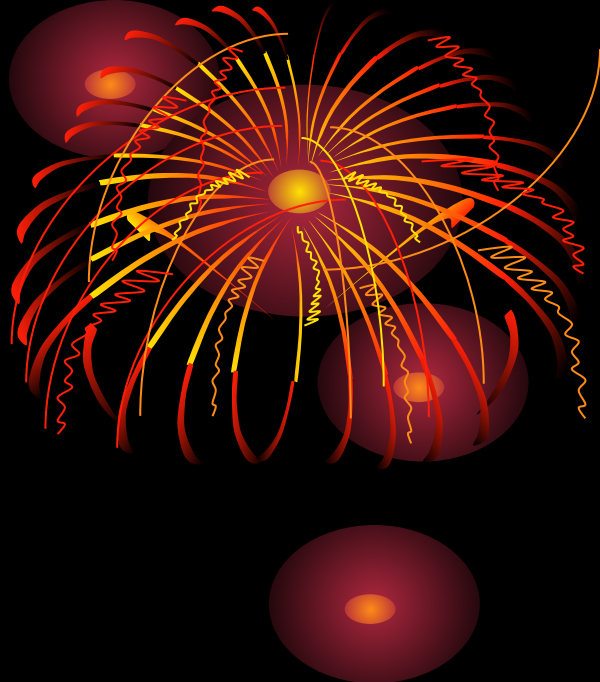
Sandy

Alecia, 22.

"I wouldn't allow another man to get me pregnant behind my husband's back. It would men that I didn't really love my husband and he may want to hurt me when he finds out."



Alecia

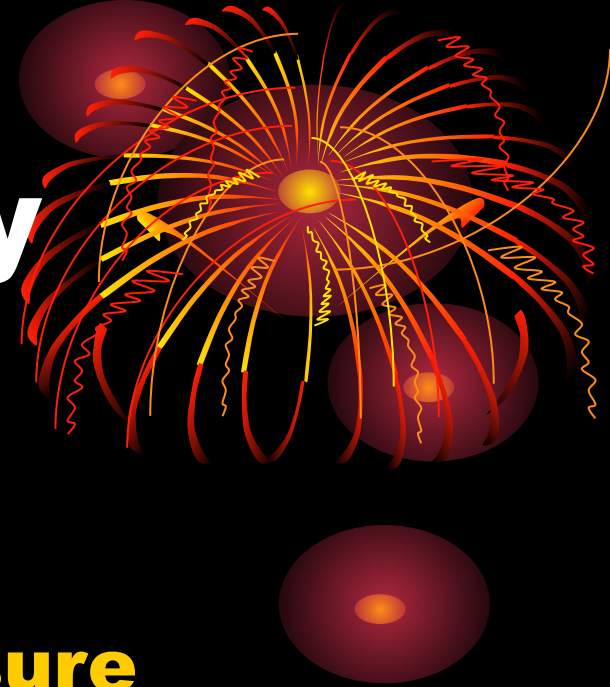


Adequacy of design

- **Best study is a randomised controlled double blind**
- **Not possible in all cases**
- **May be unethical to treat or withhold treatment**



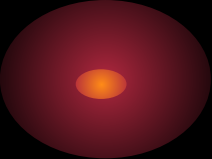
Adequacy of study



- **Study sample**
 - **must be representative**
 - **large enough size to ensure sufficient power**
- **Quality control**
 - **Accurate measurements**
 - **Compliance of cases and controls**

Define Your objectives



- **Try to keep these simple**
 - **The more variables the more difficult**
 - **However use the opportunity**
 - **Get help at this stage**
 - **Senior colleagues**
 - **Experienced researchers**
- 

Literature search



- **Check to see if your idea is original**
- **Look for a new slant to present**
- **Try to get the full article**
- **Read all the references**
- **Most of these will be vital when writing up**

The protocol

- **Write out introduction and methodology in detail**
- **Give it to people to read to check for major flaws**
- **Get help at this stage**



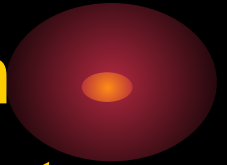
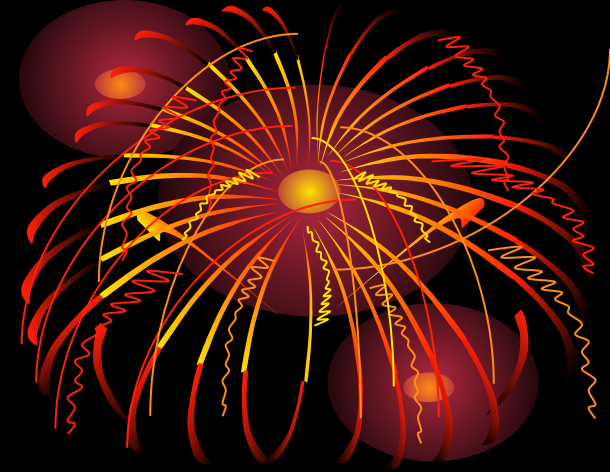
Basics of the protocol



- **This where you start writing the paper**
- **Write intro, methods in detail**
- **Ethical considerations**
- **Analytical methods in detail**
- **Budget**

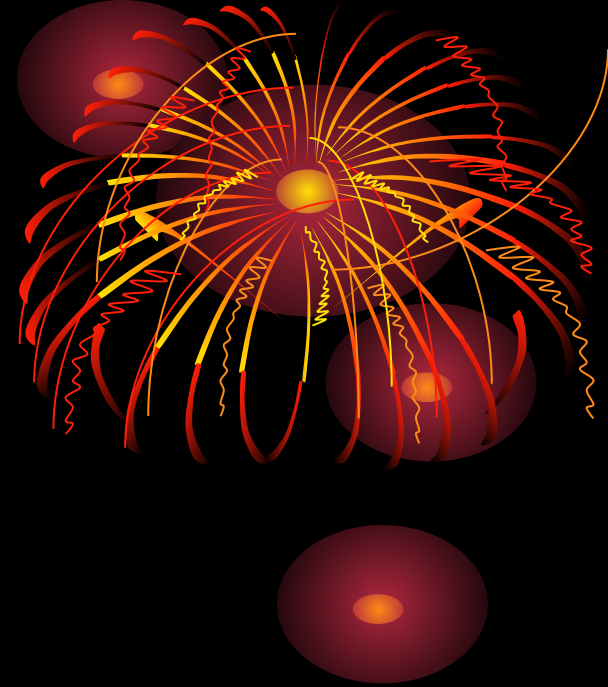
The study

- **Assignment of roles**
- **Projected time to completion**
- **Get all equipment before start**
- **Get ethical approval**
- **Get funding**



The study

- **Responsibility**
- **Data collection**
- **Accurate testing and measurements**
- **Stick to the protocol**
- **Sample size**



Writing the paper



- **Two reasons your papers are rejected**
- **Content**
- **Format**
- **Get a copy of the Journal you wish to publish in similar article or detailed instructions**

Writing up

- **Your paper is reviewed by experts**
- **Get help before sending it away**
- **Reading a protocol or a paper or offering advice does not entitle one to become an author on a paper**



Authorship



- **Should be directly involved at the**
- **Idea stage**
- **Protocol development**
- **Actual performance of the study**
- **Interpretation of results**
- **Writing up**

Term delivery after intrauterine relocation of an ectopic pregnancy



- **Pearce, Mayonde and Chamberlain. British Journal of Obstetrics and Gynaecology 1984 101:746**

Authorship

- **All authors must take full responsibility for the study**
- **That is why it is important to be involved fully**

