Epidemiological-Statistical Consulting for Medical Research

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What will be discussed in the consulting meeting?

- What do you want to study and Why?
- General objective and Specific objectives
- Study design (Cohort, Case-control, Cross-Sectional ...)
- Subjects (Inclusion/exclusion criteria, Sampling)
- Data collection
 - Variables: outcomes, predictors, confounders
 - Measures/instruments
 - Procedures
 - Database
- Intervention / Observation
- Statistical considerations (Sample size, Data analysis)

How to schedule a meeting?

- E-mail: <u>ziv.bar.cons@gmail.com</u>
- Phone: 052-2521747

When?

- Sunday to Wednesday 19:00 24:00
- Thursday to Saturday 08:00 24:00

Where?

- Sheba Medical Center
- Hamerkaz district

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Experiments conducted in a laboratory setting

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Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Studies conducted using animal subjects

Case Reper

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Animal Research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research

- A summary of one individual's experience with the disease or outcome
- A summary of a small group of individuals' experience with a similar disease or outcome

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Animal Research

Invitro "test tube" research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

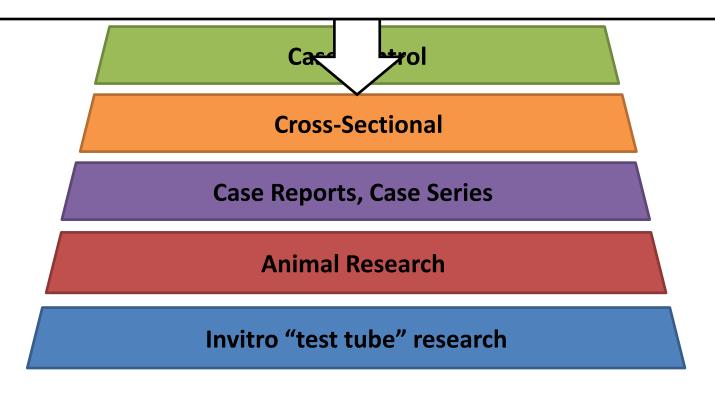
Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research

Study that observes the relationship between a characteristic/risk factor (the exposure) and the prevalence of the disease or outcome of interest in a specific population at a single point in time



Systematic Review, Meta-Analysis

Randomized Controlled Trial

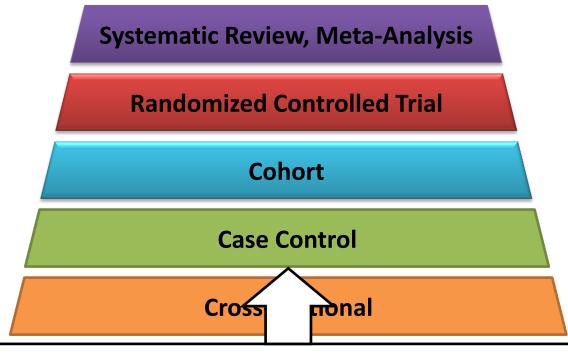
Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research



Study that compares individuals who have a disease or outcome of interest (cases) with those who do not (controls). Researchers look retrospectively to evaluate how frequently exposure to a risk factor is present in each group to identify the relationship between the risk factor and the disease or outcome of interest

Systematic Review, Meta-Analysis

Randomized Controlled Trial

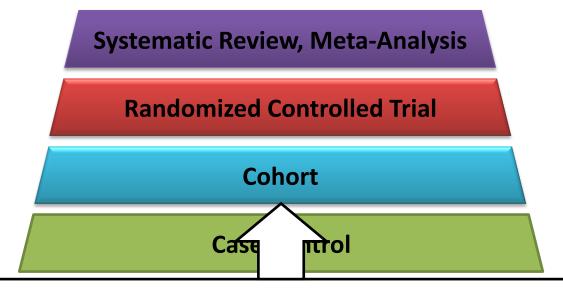
Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research



Study design where the population are classified according to their level of exposure to a given risk factor and followed over time to determine if this exposure is related to the occurrence of a disease or outcome of interest.

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

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Study where participants are randomly assigned to receive a given exposure and then followed to examine the effects of the exposure on outcomes.

Animal Research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research

Systematic Review, Meta-Analysis

Randomizeu

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- A comprehensive summary of high-quality studies examining a given topic
- The results from systematic review are statistically combined to compute a overall effect

Case Reports, Case Series

Animal Research

Systematic Review, Meta-Analysis

Randomized Controlled Trial

Cohort

Case Control

Cross-Sectional

Case Reports, Case Series

Animal Research