



Biostatistics

Archive

Lecture 18

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1. Which of the following statements is correct? Select one:

- A. A case control study is more expensive, in comparison to cohort study.
- B. A case control study needs a long period to yield the results, whereas cohort study yielding relatively quick results.
- C. A case control study is more appropriate when the disease under investigation is rare in comparison to cohort study.
- D. A case control study needs a large sample size in comparison to cohort study.
- E. A case control study starts with exposure to risk factor or suspected cause, while cohort study starts with a disease

Answer:C

2. False about cohort study is? Select one

- A. Proceeds from cause to effect
- B. More than one disease can be detected.
- C. Relative risk can be determined
- D. Helpful for evaluation of rare disease
- E. Cases have to be followed for a long time.

Answer:D

3. A case control study was conducted, to investigate relation of tobacco viewed with oral cancer it's observed that 35 out of 50 patients were tobacco chewers, as compared to 20 tobacco chewers out of 50 control subjects. The odds ratio of oral cancer associated with tobacco chewing will be? Select one:

- A. 6.0
- B. 35
- C. 3.5
- D. 1.75
- E. 3.5%

Answer:C

4. All the following are true about Case Series studies, EXCEPT? Select one

- A. Experience of a group of patients with a similar diagnosis.
- B. Cases may be identified from a single or multiple sources.
- C. Assesses incident disease.
- D. Generally report on new or unique condition.
- E. May be only realistic design for rare disorders.

Answer:C

5. The relation of lung cancer and cigarette smoking was studied, a group of patients with lung cancer was collected and compared with lung cancer free group the number and duration of cigarette smoking

was then compared in the groups of the following statements, one is correct? Select one:

- A. This study is a prospective cohort.
- B. Incidence of disease can be calculated.
- C. Prevalence of cigarette smoking can be calculated.
- D. Relative risk can be measured,
- E. Prevalence disease can be calculated.

Answer:C

6. Spreads rapidly across several countries or the world, that means:

- A. Pandemic,
- B. Epidemic.
- C. Endemic.
- D. Incidence study.

Answer:A

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Answer:A

7. Which of the following statements is Not true about cohort study? Select one:

- A. Provides incidence of disease.
- B. Indicated when there is good evidence of association between exposure and disease.
- C. Done when ample funds are available.
- D. Study starts with exposure to risk factor.
- E. Done when disease is very rare.

Answer:E

8. The value of an odd's ratio was studied for disease and cause and found as 1. It indicates?

Select one

- A. Protective factor
- B. No association
- C. Positive association
- D. Unsatisfactory data
- E. Incorrect calculation

Answer:B

9. The Temporal Sequence of exposure and effect may be difficult to determine in?

Select one:

- A. Case series studies
- B. Clinical trial
- C. Case control study
- D. Cross-sectional study
- E. Cohort study

Answer:C

10. Recall bias is most associated with which study design? Select one:

- A. Case control study.
- B. Cohort study.
- C. case report.
- D. Cross-sectional study.
- E. Case series study.

Answer:A

11. Regarding "Time is key" If the Exposure is in the present and the Diseases is in the future, So this expresses:

- A. Case report,
- B. Cross section.
- C. Case control.
- D. Descriptive Epidemiology study.
- E. Cohort.

Answer:E

12. All the following are advantages of Case Series studies, EXCEPT? Select one:

- A. Useful for hypothesis generation
- B. Informative for very rare disease with few established risk factors
- C. Characterizes averages for disorder
- D. Can study cause and effect relationships,
- E. Cannot assess disease frequency

Answer:D

13. Prevalence rate of a disease is calculated from?

Select one:

- A. Prospective cohort study.
- B. Case series study
- C. Case report study
- D. Cross Sectional study
- E. Case-control study

Answer:D

14. Permanent reduction to zero of the worldwide incidence of the infection as a result of deliberate efforts, known as:

- A. Control.
- B. Extinction,
- C. Eradication
- D. Epidemic

Answer: C

15. Odds ratio for bladder cancer and smoking is 2.4, this means; of controls is 2.4 times more than odds of exposure of cases.

- A. Odds exposure
- B. People with bladder cancer are 2.4 times more likely to be smokers.
- C. Smokers have 2.4% more risk of bladder cancer than non-smokers.
- D. Smokers have 24 times more risk than non-smokers.
- E. Smoking is a protective factor for bladder cancer

Answer: B

16. The false statement about case control study is:

- A. Can be used for rare outcome.
- B. Can be used for multiple exposures with one outcome.
- C. Exposure is retrospective.
- E. The sample must contain all cases in population.
- D. Usually used for rare exposure,

Answer: D

17. Which of the following is false about cross-sectional study?

- A. Disease etiology cannot be studied.
- B. No follow up.
- C. Give prevalence of disease.
- D. Is taken in one time frame.
- E. Unit of analysis is the group

Answer: E

18. Odds ratio for Heart attacks and sports is 0.4, this indicates:

- A. Exposure doesn't reduce Diseases risk.
- B. Protective factors,
- C. Risk factor
- D. No association.

Answer: B

19. Which of the following observational studies are related to the grouped data?

Select one:

- A. Ecological study.
- B. Cross-sectional study.
- C. Cohort study.
- D. Case control study.
- E. Clinical trial.

Answer:A

يقول شمس الدين ابن قيم الجوزية - رحمه الله - في كتابه "مفتاح دار السعادة":

مَنْ أَحْسَنَ عِبَادَةَ اللَّهِ فِي شِبَابِهِ، أَعْطَاهُ اللَّهُ الْحِكْمَةَ
عِنْدَ كِبَرِ بَيْنِهِ، تَأَمَّلْ قَوْلَهُ تَعَالَى
{وَلَمَّا بَلَغَ أَشُدَّهُ وَاسْتَوَىٰ آتَيْنَاهُ حُكْمًا وَعِلْمًا} وَكَذَلِكَ
نَجْزِي الْمُحْسِنِينَ{..

(فاقصد الله في دراستك وفي عملك وفي كلِّ
أمرك.. واجعل مذهبك كما قال الله تعالى:
{قُلْ إِنَّ صَلَاتِي وَنُسُكِي وَمَحْيَايَ وَمَمَاتِي لِلَّهِ رَبِّ
الْعَالَمِينَ * لَا شَرِيكَ لَهُ وَبِذَلِكَ أُمِرْتُ وَأَنَا أَوَّلُ
الْمُسْلِمِينَ}{...)

دعواتكم..!