

MCQs Epidemiology

1. The best way to examine possible cause-effect relationships in human populations is

- a) Cross-sectional study
- b) Case-control study
- c) Cohort study
- d) Randomized controlled trial

2. Acoustic outputs have increased the last two decades

- a) 2-5 fold
- b) 5-10 fold
- c) 10-15 fold
- d) 15-20 fold

3. Most epidemiological evidence derives from

- a) B-mode ultrasound
- b) Colour flow imaging
- c) Pulsed Doppler
- d) All of the above

4. The association between prenatal ultrasound exposure and non-right handedness is

- a) A causal effect
- b) An association, but not a causal effect
- c) A type 1 statistical error
- d) A type 2 statistical error

5. Epidemiological studies have demonstrated associations between prenatal ultrasound and

- a) Autism
- b) Dyslexia
- c) Childhood malignancies
- d) None of the above

Correct answers:

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| 1d: Randomized controlled trial |
| 2c: 10-15 fold |
| 3a: B-mode ultrasound |
| 4b: An association, but not a causal effect |
| 5d: None of the above |