

**Episode 2: Nutritional support in the critically ill patient
Multiple Choice Quiz**

Paper

Zusman O et al. Resting energy expenditure, calorie and protein consumption in critically ill patients: a retrospective cohort study. *Critical Care* 2016;20:367

1. In the paper, what did %AdCal/REE refer to?
 - a) Percent of absorbed calories divided by resting energy expenditure
 - b) Percent of adjusted calories divided by resting energy expenditure
 - c) Percent of assumed calories divided by resting energy expenditure
 - d) Percent of administered calories divided by resting energy expenditure

2. What is a hazard ratio?
 - a) A measure of an effect of an intervention on an outcome of interest over time
 - b) Another term for relative risk
 - c) A measure of the difference in outcomes between 3 or more groups
 - d) Another term for odds ratio

3. Which of these would be the most accurate measure of REE in an ICU patient?
 - a) Harris-Benedict equation
 - b) Indirect calorimetry
 - c) Schofield equation
 - d) 25 kcal/kg

4. What is the purpose of sensitivity analysis?
 - a) To normalise a data set to baseline values
 - b) To use a variety of statistical tests to see how the p values vary
 - c) To determine how different values of an independent variable impact a particular dependent
 - d) To test if a data set follows a normal distribution

5. What were the variables assessed in the sensitivity analysis?
 - a) Using data only after the second day and evaluable nutrition days
 - b) Patients under the age of 65 years
 - c) Patients with a REE below 1600 kcal
 - d) Using data only from the median tertile of admission

6. When % AdCal/REE was expressed as a continuous variable in relation to 60-day mortality, what type of relationship was seen?
 - a) A negative association

- b) A positive association
- c) A U-shaped curve
- d) A S-shaped curve

Answers:

1. D
2. A
3. B
4. C
5. A
6. C