Sensitivity and Specificity of a Single Emergency Department Measurement of Urinary Gelatinase – Associated Lipocalin for Diagnosing Acute Kidney Injury
Annals of Internal Medicine 2008; 148:810-819

1. **Provide a summary of this paper** (max 200 words, short bullet points are acceptable) **(5)**

2. **What is meant by the term 'prospective cohort study'? (1)**

3. **How did the authors attempt to reduce bias when recruiting the study population? (2)**

4. **What reference standard was used in this study? How did the authors attempt to reduce bias in the application of this standard? Was this an appropriate standard to use?(4)**

5. **What key features should a diagnostic test possess to be of use in the emergency department? Why is the NGAL test problematic?(3)**

6. **What is meant by the terms continuous and categorical variables? (Give an example of each type) (2)**

7. **What is meant by the term spectrum bias? How might its presence affect the test's performance in your own ED population? (2)**

8. **Define the following terms (4)**

    a. **Sensitivity**
    b. **Specificity**

9. **Draw the axes of a Receiver Operator curve (1)**

10. **What is a Likelihood Ratio and how would you calculate? (2)**

Total (24)
Pass mark 15