

**STUDENT LEARNING OUTCOME:** Applies knowledge to analysis of specific problems.

**TOOL:** EMS 154/Section 0330/Fall 2010 – Final Exam, Question #51

**RESULTS OF MEASURE:**

Total number of students measured (n=31)

Pass (n=26)

Fail (n=5)

The instrument is a scenario based question which requires that the student be knowledgeable about several disease processes, acceptable range of vital signs and treatment options.

This question was previously measured in Spring of 2009. At that time 50% of the students selected the correct answer and a detailed review of the distracters was conducted. The seventeen students who missed this questions were evenly distributed across the 3 wrong answers so the question was left unchanged in order to measure it again.

During this (2<sup>nd</sup>) measurement of the question, the percentage of students who answered correctly rose from 50% to 84% and again the students who missed this question were evenly distributed across the 3 wrong answers.

In discussing the question with the students who missed it, they stated that sense they could not “see” the patient, they felt they did not have sufficient information to make an appropriate decision in sequence and appropriateness of treatment. This is consistent with what we have seen in the other core classes and the medical director has agreed that the question as well as the treatment options are both appropriate and realistic.

These students will be evaluated again with the EMS 156 Clinical Final Examination. I anticipate that the pass rate on the question selected to measure their ability to “apply knowledge to analysis of specific problems” will improve much as it did with the previous class as they have now had exposure to live patients and are able to more effectively “visualize” the patients presented in these scenarios and make appropriate sequence and treatment decisions.