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## MEMORANDUM

To: James Smith, M.D., Course Director for MD 999

From: Amy Murphy-Spencer, Ed.S., Coordinator of Medical Student Assessment

Date: November 3, 2---

Subject: Revised Test Report for MD 999 Exam 4 (11/01/XX)

The Item Quality Graph and other test reports are enclosed with this memo, while the scan sheets have already been returned. Thank you for using the College of Medicine Testing Service.

### Summary of Revised Test Report for MD 999 Exam 4

# of examinees: 92	Minimum score: 63%
# of items: 78	Mean score: 83%
Reliability: 0.67	Maximum score: 96%

Standard deviation: 6.31%  
Standard error of measurement: 3.62%  
95% confidence interval for examinee score: +/- 7.25%

The 95% Confidence Interval means that an examinee's true score will fall within the indicated interval 95% of the time. In other words, due to error in your exam as shown by the Standard Error of Measurement, any given examinee's score could fall within +/- 7.25% points of their reported score.

Of the 78 items on this exam, there were 7 items that all examinees missed or got correct. These items neither add to nor detract from exam reliability since they do not differentiate between examinees. For the remaining 71 items, 9 were negatively correlated with the overall examination. Negatively correlated items decrease the exam reliability in that either low scoring examinees are achieving the item and/or high scoring examinees are missing the item. The item-analysis report should provide further information.

Please let me know if you have any questions regarding these reports, as well as any revisions you'd like to make to any of the items. I am happy to meet with you at your convenience. Please contact me at 3-1196, or send e-mail to [amspenc@uky.edu](mailto:amspenc@uky.edu).