



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Advances in Research
Manuscript Number:	2014_AIR_13219
Title of the Manuscript:	Investigation of Diagnostic Test Performance Using Receiver Operating Characteristic And Fundamental Concepts Of Information Theory
	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<ul style="list-style-type: none"> Authors compared two AUC curves (Fig. 2) for I. Turbidimetric and II. Turbidimetric test but do not see supporting info to establish the following statement: "I. Turbidimetric test is more likely to show the similarity to Nefelometric test" It would be better to have a short explanation for this. Authors should rephrase those exact statements if those are in authors' published paper/article. Did not see any reference for line # 158. Reference was requested for AUC's description. Reference was requested for Table -1. 	<p>This explanation "Because of this reason, AUC of Nefelometric test is equal to 1. The Turbidimetric tests' performances are examined using ROC and information theory. With regard to AUC values, it is concluded that I. Turbidimetric test is more likely to show the similarity to Nefelometric test in comparison with II. Turbidimetric test." is added in Lines 243-246.</p> <p>Reference #12 is added in Line 163.</p> <p>This sentence "The most commonly used global index of diagnostic accuracy is the area under the ROC curve (AUC) " and Reference #10 are added in Line 85.</p> <p>Reference #8 is added for Table 1.</p>