



SDI Review Form 1.6

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
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none"> 1. The detail of the threshold values for I. Turbidimetric test & II. Turbidimetric test should be explained as these are the basis for the comparison. 2. The section 2.3 regarding the information based measures of diagnostic test performance should be more explanatory. Can refer to the paper:- "Evaluation and Comparison of Diagnostic Test Performance Based on Information Theory: by Özlem Ege Oruç , Armağan Kanca". 	<p>* Threshold values in Table 2 are selected with respect to the best sensitivity value, the best specificity value and the best efficiency value. Explanation can also be seen between line #182 and #193.</p> <p>* We added our own reference at the end of the sentence.</p>
<u>Minor</u> REVISION comments	<ol style="list-style-type: none"> 1. The ASO value: here the ASO needs a brief explanation. (Is it Anti-Streptolysin O?) 2. The first sentence at line 89 and at line 120 is same in the sections 2.2 & 2.3. As these sections explain the basic concepts of information theory and the performance of diagnostic test based on information theory, so it is better to have different statement. 	<p>* We added brief explanation for ASO.</p> <p>* We changed the sentence in the line #120.</p>
<u>Optional/General</u> comments	<ol style="list-style-type: none"> 1. It will be more justified if two or more diseases were considered. 	<p>* We implemented to the data that we obtained from public hospital. Researchers were working on rheumatic disorder. We can consider this subject (two or more diseases) in the future.</p>