

## Rubric for grading Basic Science Research Studies

	Section or Item Description	
<b>Title and Abstract</b>		<b>Does the manuscript have this component? (Yes/No)</b>
<b>1. Abstract</b>	a. Does the abstract summarize all key information from various sections of the text using the abstract format of the intended publication such as: background/introduction, methods, results, conclusions?	
<b>Introduction</b>	<i>Why did you start?</i>	
<b>2. Available knowledge</b>	Is there a summary of what is currently known about the problem, including relevant previous studies?	
<b>3. Objectives/Hypothesis</b>	Does the manuscript describe the questions the study was designed to answer? Does the manuscript have a pre-specified question (hypothesis) that is being tested?	
<b>Methods</b>	<i>What did you do?</i>	
<b>4. Study Design</b>	a. Are the methods clearly described? b. Is the analysis of the data clearly described? c. How was the sample size determined?	
<b>5. Analysis</b>	a. Were the standard methods of analysis performed?	
<b>Results</b>	<i>What did you find?</i>	
<b>13. Results</b>	a. Were the findings of the study clearly described and presented? b. Is the interpretation of the results consistent with published data in the field?	
<b>Discussion</b>	<i>What does it mean?</i>	

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<b>17. Conclusions</b>	Are the following included in the discussion/conclusion section?  a. Are the conclusions consistent with the data presented?  b. Is the interpretation of the results consistent with published data in the field?  c. Implications for further study in the field	
Reviewers Comments:		