

**Prince Abdulrahman Advanced Dental Institute
Literature Review Analysis Guidelines Check List**

Article Title, Journal and Abstract Section			Yes	No
1	Journal	Recent article ¹		
2		Classis article ¹⁵		
3		Peer review journal ¹		
4		Commercial Journal ¹		
5		High Impact Factor ¹		
6	Author	Qualifications, credentials, experience and publications ¹⁵		
7		Bias ¹⁵		
8		Institutional association ¹⁵		
9		Professional or educational organization ¹⁵		
10	Title	Is it representative of the article? ¹⁵		
11		Is the title specific, concise & clear? ¹⁵		
12		110-120 characters ¹⁵		
13	Abstract	Specific, representative of the article and in the correct form ²		
14		Intrigue the reader to continue reading of the article		
15		High Clinical Importance		
16		Answers the: Who, What, Where, When, Why, and How		
Introduction Section				
17	Text	State the relevancy & importance of the research ³		
18		Motivate the reader to continue reading ³		
19		Literature review Sufficient ⁴		
20		Trends ¹⁵		
21		Pros and Cons ¹⁵		
22		Include classical and current literatures ¹⁵		
23		The literature organized & summarized ¹⁵		
24		State the purpose, hypothesis or the research question clearly ⁴		
25		State the methodology and material clearly ³		
26		State the main results clearly ³		
Material and Methods Section				
27	Sample	Described in details ⁶		
28		The research conditions were well described and appropriate for research purpose ⁸		
29	Design	Can the design, material and methods be duplicated ⁶		
30		Described in detail ⁷		
31		Was the criteria of Inclusion, exclusion listed? ⁶		
32		Were the data-gathering instruments appropriate? ⁷		
33	Variable	The independent variables identified ⁸		
34		The dependent variables identified ⁸		
35		The extraneous variables identified ⁸		
36		The variables controlled ⁸		
37	Statistic	The Statistical analysis was well described ⁸		
Results Section				
38	The results answer main hypothesis or research question(s) in clear concise, simple way, logically sequenced and summarized in text ⁹			
39	The adverse effects and omissions were reported ¹⁰			
40	The context of the results was well described ⁹			
41	Percentages were used to disguise small sample sizes ¹⁰			
42	The results were consistent with the data collected ¹⁰			
43	The statistical test were appropriate to test the research question ⁹			
44	The results of statistical analysis presented ⁹			
45	The reviewer retrieve the raw data ¹⁵			
46	The data analyzed and illustrated in the form of a figure (graph), table, or in text form ⁹			
47	The figures and tables sufficiently complete and could it stand on its own ⁹			
Discussion Section				
48	The discussion include the major findings ¹²			
49	The meaning and importance of the findings has been clearly explained ¹³			
50	Critical assessment of his & others ¹⁵			
51	The findings have clinical relevance ¹³			
52	The study's limitation and weakness have been listed ¹³			
53	Alternative explanations have been presented ¹³			
54	Are the implications of the study valid? ¹¹			
Summary And Conclusion Section				
55	The results and conclusions answer the original question ¹⁴			
56	A summary of the findings provided ¹⁴			
57	The conclusions were supported by the results ¹⁴			
58	The conclusions were justified, given the methodological quality of the studies ¹⁴			
Reference Section				
59	The article was well referenced ¹⁵			

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References:

Title:

- 1) Ibidun Fakoya. Part 9: How to critique a paper. NAHIP Toolkit.2009
- 2) UIS. Center for Teaching and Learning. How to Critique a Journal Article

Introduction:

- 3) Robert A. Day (5th Edition) HOW TO WRITE AND PUBLISH A SCIENTIFIC PAPER. pp 33-35
- 4) Paul T. P. Wong, Ph.D., C.Psych." How to Write a Research Proposal" available online: http://www.meaning.ca/archives/archive/art_how_to_write_P_Wong.htm (accessed on 2ed January 2010)
- 5) Guidelines to Appraising a Research Paper (Parry, 1987 p. 377)

Material and Method:

- 6) Carter,K((2006). How to critique research (online,course material).available at http://www.runet.edu/kcarter/course_info/nurs442/chapter12.htm.accessed January 6,2006.
- 7) www.abacus.bates.edu/~ganderso/biology/resources/writing/HTWsections.html#subjects, The Structure, Format, Content, and Style of a Journal-Style Scientific Paper.
- 8) <http://www.hull.ac.uk/php/abspjl/Micro/WM-MatMeths.html>, An initiative of Alistair Anderson and Peter Large. Tips and help on how to write scientific papers, reports and theses, A.J. Anderson and P.J. Large 1995

Results:

- 9) Michael P. Dosch. How to write the results and discussion:CRNA MS.June 2009.
- 10) MarshallG,Critiquing a research article.Radiography (2005) 11, 55e59.

Discussion:

- 11) How to write the Results and Discussion:Michael P. Dosch CRNA MS University of Detroit Mercy Graduate Program in Nurse Anesthesiology This page is <http://www.udmercy.edu/crna/agm/htresult.htm>. How to write the results and discussion Michael P. Dosch CRNA MS June 2009.
- 12) REVIEW ARTICLE Critiquing a research article Gill Marshall) Division of Medical Imaging Sciences, St. Martin's College, Lancaster LA1 3JD, UK Accepted 16 September 2004 Available online 1 December 2004.
- 13) How to Write an Effective Discussion Dean R Hess PhD RRT FAARC, RESPIRATORY CARE • OCTOBER 2004 VOL 49 NO 10.

Summary & Conclusion:

- 14) Blevins. Checklist for evaluating for a research report.
- 15) AbouRass Marwan. Lectures-PAADI. Dec. 2009

Titles

Dr. Mohammed Bakkar, AEGD R2
Dr. Khalid Abahussain, AEGD R2
Dr. Mohammed Faraj, SBARD R1
Dr. Fouad AlGhamdi, AEGD R2
Dr. Ahmad AlShehri, SBARD R2

Introduction

Dr. Majid AlJadeed, AEGD R2
Dr. Loay AlBawardi, AEGD R2
Dr. Hadi AlQahtani, SBARD R2
Dr. Hussain AlQahtani, AEGD R2
Dr. Nasser AlBort, SBARD R1

Methods

Dr. Mohammed AlMalki, AEGD R2
Dr. Rayyan AlFirdous, AEGD R2
Dr. Hashem AlGhamdi, AEGD R2
Dr. Haitham AlKhalifah, AEGD R2
Dr. Mohammed AlQarni, SBARD R2

Results

Dr. Ghada AlAgla, AEGD R2
Dr. Reem AlMoslem, AEGD R2
Dr. Amal AlJowid, SBARD R2
Dr. Reem AlKhalil, SBARD R1
Dr. Nasser AlMutairi, AEGD R2

Discussion

Dr. Faleh AlQahtani, AEGD R2
Dr. Majed AlMoneef, AEGD R2
Dr. Albandari AlOwid, SBARD R2
Dr. Reem AlEdrisi, SBARD R1
Dr. Hawazen Radwan, AEGD R2
Dr. Sarah AlSudairy, AEGD R2

References

Dr. Sami AlQahtani, AEGD R2
Dr. Ohoud AlHarthi, SBARD R2
Dr. Fatema AlQudaihi, AEGD R2
Dr. Mona AlWakeel, AEGD R2
Dr. Fahad AlYami, AEGD R2