

Cohort Study – Prospective or Retrospective

Pro	oject/Topic of your Clinical Question:										
	viewer:	Today's Date: I	Final Evidence Level:								
	ticle Title:	First Anthony	In								
Yea	ar:	First Author: J	lournal:								
Do	Do the study aim/purpose/objectives and inclusion/exclusion criteria assist in answering your clinical question? Yes No Unknown • Study Aim/Purpose/Objectives:										
	• Inclusion Criteria:										
	• Exclusion Criteria:										
Is a	a cohort study congruent with the aut Comments:	thor's study aim/purpose/objectives above	? Yes No Unknown								
If y	e Study aim/purpose/objectives and inclusion/exclusion criteria assist in answering your clinical question? Yes										
V۸	ALIDITY: ARE THE RESULTS OF THE CO	PHORT STUDY VALID OR CREDIBLE?									
1.	Were the study methods cleWere the instruments clearlyWere the interventions clear	arly described (e.g., setting, sample population)? y described?	Yes No Unknown								
2.	Note: If no comparison group was studi		Yes No Unknown								
3.	Were the instruments tested		Yes No Unknown								
4.	Were all appropriate variables (e.g., interventions clearly described? Comments:	potential confounders, exposures, predictors) and	Yes No Unknown								



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5.	Were all appropriate outcomes clearly described? Comments:	Yes	☐ No	Unknown
6.	 Was the follow-up process described and complete? Was the follow-up long enough to fully study the effects of the intervention Was there a low rate of attrition? Note: If greater than 20% lost to follow up, bias may be of greater concern. Comments: 	☐ Yes n?	☐ No	Unknown
7.	Was there freedom from conflict of interest?	Yes	☐ No	Unknown
	 Sponsor/Funding Agency or Investigators Comments: 			
RE	LIABILITY: ARE THESE VALID STUDY RESULTS IMPORTANT?			
8.	 Were the statistical analysis methods appropriate? Were the statistical analysis methods clearly described? Comments: 	Yes	☐ No	Unknown
9.	Did the study have a sufficiently large sample size? • Was a power analysis described?	Yes	☐ No	Unknown
	 Did the sample size achieve or exceed that resulting from the power analysis 	is?		
	 Did each subgroup also have sufficient sample size (e.g., at least 6-12 participant Comments: 	rs)?		
10.	What are the main results of the study? (e.g., Helpful data: Page #, Table #, Figures, Graphs))		
	What is the effect size? (How large was the treatment effect?)			
	• What were the measures of statistical uncertainty (e.g., precision)? (Were the results presented with Confidence Intervals or Standard Deviations?)			
11.	Were the results statistically significant? Comments:	Yes	☐ No	Unknown



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 Were the results clinically significant? If potential confounders were identified, were they discussed in relationshing to the results? Comments: 	☐ Yes ☐ No ☐ Unknown p
13. Were adverse events assessed? Comments:	☐ Yes ☐ No ☐ Unknown
APPLICABILITY: CAN I APPLY THESE VALID, IMPORTANT STUDY RESULTS TO TREATING MY	PATIENTS?
 14. Can the results be applied to my population of interest? Is the treatment feasible in my care setting? Do the patient outcomes apply to my population or question of interest? Are the likely benefits worth the potential harm and costs? Were the patients in this study similar to my population of interest? Comments: 	Yes No Unknown
15. Are my patient's and family's values and preferences satisfied by the treatment and its consequences? Comments:	Yes No Unknown
16. Would you include this study/article in development of a care recommendation? Comments:	Yes No Unknown
Additional Comments or Conclusions ("Take-Home Points"):	



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QUALITY LEVEL / EVIDENCE LEVEL

- Consider each "No" answer and the degree to which this limitation is a threat to the validity of the results, then check the appropriate box to assign the level of quality for this study/article.
- Consider an "Unknown" answer to one or more questions as a similar limitation to answering "No," if the information is not available in the article

THE EVIDENCE LEVEL IS:	Good Quality Prospective Cohort Study Lesser Quality Prospective Cohort Study	[3a] [3b]	
	Good Quality Retrospective Cohort Study Lesser Quality Retrospective Cohort Study	[4a] [4b]	
	Not Valid, Reliable, or Applicable	[40]	

Table of Evidence Levels																		
	TYPE OF STUDY / STUDY DESIGN																	
DOMAIN OF CLINICAL QUESTION	Systematic Review Meta–Analysis	RCT ⁺	ככד⁺	Qualitative Study	Cohort – Prospective	Cohort – Retrospective	Case – Control	Longitudinal (Before/After, Time Series)	Cross – Sectional	Descriptive Study Epidemiology Case Series	Quality Improvement (PDSA)	Mixed Methods Study	Decision Analysis Economic Analysis Computer Simulation	Guidelines	Case Reports N-of-1 Study	Bench Study	Published Expert Opinion	Local Consensus Published Abstracts
Intervention																		
Treatment, Therapy,	1a	2a	3a	4a	3a	4a	4a	4a	4a	4a	4a	2/3/4	5a	5a	5a	5a	5a	5
Prevention, Harm,	1b	2b	3b	4b	3b	4b	4b	4b	4b	4b	4b	a/b	5b	5b	5b	5b	5b	3
Quality Improvement																		

^{*} RCT = Randomized Controlled Trial; CCT = Controlled Clinical Trial

Development for this appraisal form is based on:

- 1. Guyatt, G.; Rennie, D.; Evidence-Based Medicine Working Group; and American Medical Association.: Users' guides to the medical literature: a manual for evidence-based clinical practice. Users' guides to the medical literature: a manual for evidence-based clinical practice: "JAMA & archives journals." Chicago, IL, 2002
- 2. Melnyk, B. M. and E. Fineout-Overholt (2005). Evidence-based practice in nursing & healthcare: a guide to best practice. Philadelphia, Lippincott Williams & Wilkins.
- 3. Lohr, K. N. and T. S. Carey (1999). "Assessing "best evidence": issues in grading the quality of studies for systematic reviews." Joint Commission Journal on Quality Improvement 25(9): 470-9.
- 4. Fineout-Overholt, E. and L. Johnston (2005). "Teaching EBP: asking searchable, answerable clinical questions." Worldviews Evid Based Nurs 2(3): 157-60.
- 5. Jerosch-Herold, C. (2005). "An evidence-based approach to choosing outcome measures: a checklist for the critical appraisal of validity, reliability and responsiveness studies." British Journal of Occupational Therapy 68(8): 347-53.
- 6. Phillips, et al: Oxford Centre for Evidence-based Medicine Levels of Evidence, 2001. Last accessed Nov 14, 2007 from http://www.cebm.net/index.aspx?o=1025.
- 7. Fineout-Overholt and Johnston: Teaching EBP: asking searchable, answerable clinical questions. Worldviews Evid Based Nurs, 2(3): 157-60, 2005.