Cincinnati Children's

Project/Topic of your Clinical	Question:										
Reviewer:	Today's Date:	Final Evidence Level:									
Year:	First Author:	Journal:									
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:											
When reading the bolded questi If you are uncertain of your skills CCHMC Evidence Experts: <u>http</u> Unfamiliar terms can be found in	ons, consider the bulleted questions to help s in evidence evaluation, please consult a loca <u>p://groups/ce/NewEBC/EBDMHelp.htm</u> n the LEGEND Glossary: <u>http://groups/ce/Ne</u>	answer the main question. al evidence expert for assistance: wEBC/EBCFiles/GLOSSARY-EBDM.pdf									
VALIDITY: ARE THE RESULT	s of the Systematic Review / Meta-An	ALYSIS VALID OR CREDIBLE?									
1. Did the overview address Comments:	s a focused clinical question?	🗌 Yes 🗌 No 📄 Unknown									
 Was the search for relevance of the selection Was it unlikely the Comments: 	ant studies detailed and exhaustive? on criteria clearly described? at important, relevant studies were miss	Yes No Unknown									
3. Was the quality of the in <i>Comments:</i>	cluded studies appraised?	🗌 Yes 🗌 No 📄 Unknown									
 Were the methods consists Did the sample in diagnostic test with Did the clinicians results (<i>i.e., diagnost</i>) Were the index to standard or currently Were withdrawal Comments: 	stent from study to study? Include an appropriate variety of patients ill be applied in clinical practice? know the participant diagnosis prior to r stic uncertainty)? Tests (e.g., test being studied) and reference st used test) described?	Yes No Unknown to whom the eviewing any test andards <i>(e.g., gold</i>									

	Cincinnati Children's	LEGEND: Evidence Systema	Appra Dia atic Rev	isal of ignosis view /	a Single Study / Assessment Meta-Analysis
5.	 Did studies use independent, blind comparisons with reference standards likely to correctly cl Did all studies include verification of diagnosis usin <i>Comments:</i> 	erence standard tests assify the target conditior ng a reference standard?	☐ Yes ₁?	🗌 No	Unknown
6.	 Was there freedom from conflict of interest? Sponsor/Funding Agency or Investigators Comments: 		U Yes	🗌 No	Unknown
RE	LIABILITY: ARE THESE VALID STUDY RESULTS IMPORTANT?				
7.	Were the same clinical data available when test results w would be available when the test is used in practice? <i>Comments:</i>	vere interpreted as	Yes 🗌	🗌 No	Unknown
8.	Were all test results reported, including uninterpretable results? Comments:	or intermediate test	🗌 Yes	🗌 No	Unknown
9.	What are the main results of the study? (e.g., Helpful data: Po	age #, Table #, Figures, Graphs)	1		
	 What was the effect size? (e.g., Diagnostic Accuracy – Sensitivity/Specificity, Likelihood Ra 	itios, Limits of Agreement, Patie	ent data to	calculate	these)
	• What were the measures of statistical uncertainty (e (Were the results presented with Confidence Intervals or Standa	.g., precision)? rd Deviations?)			
10	Were the results statistically significant? Comments:		Yes	🗌 No	Unknown
11.	 Were the results clinically significant? If potential confounders were identified, were they to the results? Comments: 	discussed in relationship	Yes	🗌 No	Unknown



APPLICABILITY:	CAN I APPLY THESE VALID, IMPORTANT STUDY RESULTS TO TREATING MY	PATIENTS?	
 12. Can the results Is the c Are the Were t Comments: 	be applied to my population of interest? liagnostic test feasible in my care setting? e likely benefits worth the potential harm and costs? he patients in this study similar to my population of interest?	Yes	🗌 No 🔄 Unknown
13. Are my patient diagnostic test Comments:	's and family's values and preferences satisfied by the use of the ?	Yes	🗌 No 🔄 Unknown
14. Would you inc <i>Comments:</i>	lude this study/article in development of a care recommendation?	Yes	🗌 No 🔄 Unknown

Additional Comments or Conclusions ("Take-Home Points"):



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 Systematic Review [1a]

Lesser Quality Systematic Review [1b]

Not Valid, Reliable, or Applicable

Table of Evidence Levels														
	TYPE OF STUDY / STUDY DESIGN													
DOMAIN OF CLINICAL QUESTION	Systematic Review Meta–Analysis	ככד⁺	Psychometric Study	Cohort – Prospective	Cohort – Retrospective	Cross – Sectional	Descriptive Study Epidemiology Case Series	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
Diagnosis / Assossment	1a	2a	2a	3a	4a	4a	4a	2/3/4	5a	5a	5a	5a	5a	5
Diagnosis / Assessment	1b	2b	2b	3b	4b	4b	4b	a/b	5b	5b	5b	5b	5b	5

⁺ 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 evidencebased 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. 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.
- 5. Fineout-Overholt and Johnston: Teaching EBP: asking searchable, answerable clinical questions. Worldviews Evid Based Nurs, 2(3): 157-60, 2005.