LEGEND: Evidence Appraisal of a Single Study
All Domains
Expert Opinion / General Review Article

Reviewer: **Today's Date:**   **Final Evidence Level:**

Project/Topic of your Clinical Question:

Article Title:

Year: **First Author:**   **Journal:**

Do the aim/purpose/objectives assist in answering your clinical question? ☐ **Yes**   ☐ **No**   ☐ **Unknown**
- Aim/Purpose/Objectives:

When reading the bolded questions, consider the bulleted questions to help answer the main question.

If you are uncertain of your skills in evidence evaluation, please consult a local evidence expert for assistance:
- [CCHMC Evidence Experts](#)

Unfamiliar terms can be found in the [LEGEND Glossary](#).

Basic Elements of an Expert Opinion / Review Article

1.	**Is the author a known expert in the field being studied?** • What are the author's credentials?	☐ **Yes**	☐ **No**	☐ **Unknown**
2.	**Does the author have a known bias?**	☐ **Yes**	☐ **No**	☐ **Unknown**
3.	**Is the patient population, problem, or issue clearly described?**	☐ **Yes**	☐ **No**	☐ **Unknown**
4.	**Is the literature search clearly described?**	☐ **Yes**	☐ **No**	☐ **Unknown**
5.	**Is the date range of the cited literature appropriate and current?**	☐ **Yes**	☐ **No**	☐ **Unknown**
6.	**What types of research are cited** *(e.g., animal model, basic science, clinical studies)***?**			
7.	**Is there more than one point of view explained, reported, or referenced?**	☐ **Yes**	☐ **No**	☐ **Unknown**
8.	**Were any conclusions clearly presented in the article?** • If applicable, were any adverse events clearly described?	☐ **Yes**	☐ **No**	☐ **Unknown**
9.	**Was there freedom from conflict of interest?** • Sponsors, Funding Agency, Investigators	☐ **Yes**	☐ **No**	☐ **Unknown**

Comments:

Applicability   *Can I apply this Expert Opinion / General Review Information?*

10.	**Can the results be applied to my population of interest?** • Is the setting described in the article appliable to my population of interest? • Do the patient outcomes apply to my population or question of interest? • Were the patients in this article similar to my population of interest?	☐ **Yes**	☐ **No**	☐ **Unknown**
11.	**Are my patient's and family's values and preferences satisfied by the knowledge gained from this article** *(such as outcomes considered)***?**	☐ **Yes**	☐ **No**	☐ **Unknown**
12.	**Would you include this article in development of a care recommendation?**	☐ **Yes**	☐ **No**	☐ **Unknown**

Comments on Applicability:

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 Expert Opinion/General Review**   **[5a]**

☐ **Lesser Quality Expert Opinion/General Review**   **[5b]**

☐ **Not Valid, Reliable, or Applicable**

Table of Evidence Levels

DOMAIN OF CLINICAL QUESTION	Systematic Review Meta–Analysis	Meta-Synthesis	RCT*	CCT*	Qualitative Study	Psychometric Study	Cohort – Prospective	Cohort – Retrospective	Case – Control	Longitudinal (Before/After, Time Series)	Cross – Sectional	Descriptive Study Epidemiologic Study Case Series	Quality Improvement	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
All Domains	1a 1b											4a 4b		2/3/4 a/b	5a 5b	5a 5b	5a 5b	5a 5b	5a 5b	5

⁺ 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. 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.
4. Fineout-Overholt and Johnston: Teaching EBP: asking searchable, answerable clinical questions. *Worldviews Evid Based Nurs,* 2(3): 157-60, 2005.
5. Clark, E., Burkett, K., & Stanko-Lopp, D. (2009, Dec). Let Evidence Guide Every New Decision (LEGEND): an evidence evaluation system for point-of-care clinicians and guideline development teams [CCHMC LEGEND development]. J Eval Clin Pract, 15(6), 1054-1060.
6. Local Consensus.