LEGEND: Evidence Appraisal of a Single Study
All Domains
Case Report*

Project/Topic of your Clinical Question:

Reviewer: ____________________________ Today’s Date: ____________________________ Final Evidence Level: _______

Article Title: ____________________________ Year: ____________________________ First Author: ____________________________ Journal: ____________________________

* Note: Although an N-of-1 or single subject study is best evidence for that individual patient, a published report of an N-of-1 or single subject study is a case report.

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 case report congruent with the author’s study aim/purpose/objectives above?

☐ Yes ☐ No ☐ Unknown

Comments:

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: http://groups/ce/NewEBC/EBDMHelp.htm

Unfamiliar terms can be found in the LEGEND Glossary: http://groups/ce/NewEBC/EBCFiles/GLOSSARY-EBDM.pdf

BASIC ELEMENTS OF A CASE REPORT

1. Does the case report fit into one of the categories expected?

☐ Yes ☐ No ☐ Unknown

Check the category that applies:

☐ New associations or variations in disease processes
☐ Innovative approaches/interventions for treatment in disease processes
☐ Findings that shed light on the possible pathogenesis of a disease or an adverse event
☐ Presentations, diagnoses, or management of new and emerging diseases
☐ Unreported or unusual side effects or adverse interactions involving medications or treatment
☐ Unexpected or unusual presentations of a disease
☐ Unexpected association between diseases and symptoms
☐ Unexpected event in the course of observing or treating a patient
☐ Does not fit one of the categories expected for case reports

Comments:

2. Does the case report include a background of the issue on which the case report focuses?

☐ Yes ☐ No ☐ Unknown

Comments:
3. Does the case report include an up-to-date review of the previous cases in the field?  
☐ Yes ☐ No ☐ Unknown  
Comments:

4. Does the case report include details relevant to the case?  
☐ Yes ☐ No ☐ Unknown  

Check the details that apply for each patient or for all patients *(if >1 patient reported)*:  
☐ A description of the patient’s demographic information  
☐ Any relevant medical history of the patient or their family  
☐ The patient’s signs and symptoms  
☐ Any tests that were carried out  
☐ A description of pertinent details *(e.g., disorder, medication, interventions/treatments, adverse events)*  
☐ The outcome of the case  
Comments:

5. Is the importance of the case explained?  
☐ Yes ☐ No ☐ Unknown  

• What can be learned from the case report?  
• How will the case report advance our clinical knowledge?  
• Other?  
Comments:

6. Was there freedom from conflict of interest?  
☐ Yes ☐ No ☐ Unknown  

• Sponsor/Funding Agency or Investigators/Authors  
Comments:

**APPLICABILITY: CAN I APPLY THIS CASE REPORT INFORMATION?**

7. Can the results be applied to my population of interest?  
☐ Yes ☐ No ☐ Unknown  

• Is the setting of the case(s) applicable to my population of interest?  
• Do the patient outcomes apply to my population or question of interest?  
• Was the patient *(or were the patients)* in this report similar to my population of interest?  
Comments:

8. Are my patient’s and family’s values and preferences satisfied by the knowledge gained from this report *(such as outcomes considered)*?  
☐ Yes ☐ No ☐ Unknown  
Comments:
9. Would you include this report in development of a care recommendation?  
☐ Yes  ☐ No  ☐ Unknown

Comments:

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 Case Report [5a]  
☐ Lesser Quality Case Report [5b]  
☐ Not Applicable

Table of Evidence Levels

<table>
<thead>
<tr>
<th>TYPE OF STUDY / STUDY DESIGN</th>
<th>GOOD QUALITY</th>
<th>LESSER QUALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systematic Review</td>
<td>1a</td>
<td>1b</td>
</tr>
<tr>
<td>Meta-Analysis</td>
<td>RCT</td>
<td>CTT</td>
</tr>
<tr>
<td>Psychometric Study</td>
<td>Qualitative Study</td>
<td>Cohort – Prospective</td>
</tr>
<tr>
<td>All Domains</td>
<td>4a</td>
<td>4b</td>
</tr>
<tr>
<td>[2/3/4 a/b]</td>
<td>5a</td>
<td>5b</td>
</tr>
</tbody>
</table>

* RCT = Randomized Controlled Trial; CCT = Controlled Clinical Trial

Development for this appraisal form is based on:
5. http://www.jmedicalcasereports.com/jmedicalcasereports/about/submissions