Online Tools for Clinical Reasoning through Case-based Instruction

BEFORE THE SESSION

Step 1
Frame the Problem

Step 2
Formulate Hypotheses with Rationales

Step 3
Strategize Assessment

Step 4
Narrow Diagnoses and Generate Plan

Facilitated Group Session
Resolve case collaboratively and debrief. Facilitator controls Release C.

Step 5
Reflect

Release A
Complete History

Release B
Physical Exam

Release C
Labs, Imaging

We will use the new version of ThinkShare® (thinkshareapp.com) for...

2-Session cases
- Review Initial History
- Submit ideas for Step 1 and Step 2 in a single entry BEFORE Session 1
- Group Session 1!
- Obtain/Discuss Releases A & B
- Identify learning issues at close of Session 1
- Group Session 2!
- Share what you learned in between sessions
- Obtain/Discuss Release C and resolve the case
- Debrief as a group after resolving case
- Submit post-case reflection at the close of Session 2

Single Session Cases
- Review Initial History
- Submit Step 1 and Step 2 in separate entries
- Review complete history (Release A)
- Submit Step 3
- Review findings on physical exam (Release B)
- Submit Step 4 - Identify questions for discussion
- GROUP SESSION!
- Obtain/Discuss Release C and resolve the case
- Debrief as a group after resolving case
- Submit post-case reflection (Step 5) at end of session

Brainstorm the new case if there’s time!

More about Clinical Reasoning Course methods and tools: fid.medicine.arizona.edu

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Inquiry Strategies for a Reflective Approach to Medical Problem-solving

<table>
<thead>
<tr>
<th>Question the Process</th>
<th>Question the Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>• How do I know that?</td>
<td>• Are these problems due to a single cause? Multiple causes? Multiple related causes?</td>
</tr>
<tr>
<td>• What else do I need to know?</td>
<td>• Which facts support my conclusions?</td>
</tr>
<tr>
<td>• How could/should I find out?</td>
<td>• Which facts do not support my conclusions? Should this cause me to continue investigating? Why? Why not?</td>
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<tr>
<td>• How will it help me to differentiate from among the possible diagnoses?</td>
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<tr>
<td>• Is there another approach I/we can take?</td>
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<tr>
<td>• Are these problems due to a single cause? Multiple causes? Multiple related causes?</td>
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<tr>
<td>• How can I/we narrow POSSIBLE causes to highly PLAUSIBLE or PROBABLE causes?</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Question Perspectives</th>
<th>Question How to Approach Future Cases</th>
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</thead>
<tbody>
<tr>
<td>• Have I/we framed the inquiry in a way that helps or hinders us from reaching a conclusion supported by evidence?</td>
<td>• What have I learned from my approach in past cases?</td>
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<tr>
<td>• How could I/we (re)frame the problem?</td>
<td>• How can problem-solving in past cases help me take an effective approach to the current case?</td>
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<tr>
<td>• How could I/we reframe the question?</td>
<td>• Have I/we made any cognitive errors? What are they?</td>
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<tr>
<td>• Am I/are we biased in some way?</td>
<td>• How/why did I/we make those errors?</td>
</tr>
<tr>
<td>• What assumptions am I/are we making?</td>
<td>• How/why could I/we avoid these in future cases?</td>
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<tr>
<td>• What kind of questions should I/we be asking?</td>
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