

# Critical Appraisal (previously named Risk of Bias)

## Objective

Evaluate the quality of evidence of included cohort studies or controlled trials.

We are currently in the process of transitioning our module names with the goal of making the AutoLit workflow easier to understand for first-time users.



**Extraction** is now **Meta-Analytical Extraction**, and **Risk of Bias** is now **Critical Appraisal**.

Bear with us as we edit our documentation (don't worry, no feature functionality has changed!) and, as always, contact us at [support@nested-knowledge.com](mailto:support@nested-knowledge.com) if you have any questions.

## Configure Critical Appraisal

From administrative settings, select the Critical Appraisal system of choice.

### Critical Appraisal

Critical Appraisal allows you to grade the quality & trustworthiness of evidence in your Nest. A Critical Appraisal system (also called a tool) is comprised of a series of questions that are answered for each included study. Select a system to enable Critical Appraisal in your Nest.

### Choose a System:

No Selection

- None
- System: SIGN 50, Version: 2011
- System: Cochrane RoB, Version: 2
- System: JBI, Version: 2020
- System: Newcastle-Ottawa Scale, Version: 1
- System: ROBINS-I, Version: 19 September 2016

### Choose Scope

Perform Critical Appraisal the study level:

### Critical Appraisal

Critical Appraisal allows you to grade the quality & trustworthiness of evidence in your Nest. A Critical Appraisal system (also called a tool) is comprised of a series of questions that are answered for each included study. Select a system to enable Critical Appraisal in your Nest.

Some systems allow you to perform critical appraisal on entire studies or individual outcomes.

#### Choose a System:

System: Newcastle-Ottawa Scale, Version: 1

#### Choose a scope:

- Entire Study
- Individual Outcomes

OR

choose individual outcomes:

### Critical Appraisal

Critical Appraisal allows you to grade the quality & trustworthiness of evidence in your Nest. A Critical Appraisal system (also called a tool) is comprised of a series of questions that are answered for each included study. Select a system to enable Critical Appraisal in your Nest.

Some systems allow you to perform critical appraisal on entire studies or individual outcomes.

#### Choose a System:

System: Newcastle-Ottawa Scale, Version: 1

#### Choose a scope:

- Entire Study
- Individual Outcomes

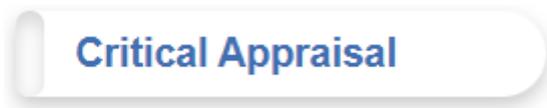
Select Outcomes:		
Data Element	Timepoint	Appraise
ALT	Outcome	<input checked="" type="checkbox"/>
Anemia	Outcome	<input type="checkbox"/>
CRP	Outcome	<input checked="" type="checkbox"/>
Cardiac Arrest	Outcome	<input checked="" type="checkbox"/>
Cardiooumonary Failure	Outcome	<input type="checkbox"/>

Note: outcomes have to configured as Data Elements in MA Extraction before Critical Appraisal.

## Start Critical Appraisal

### Navigate to Critical Appraisal Module

After selecting the system and scope, reviewers can begin performing critical appraisal. You may need to refresh. Once the page reloads, Critical Appraisal will appear in the navigation menu above Study Inspector.



### Read study and select study type

Depending on the selected Critical Appraisal system, select the study type to begin assessment. Depending on the selection, the assessment will change accordingly.

**Critical Appraisal: Standard Modes: COVID-19** 1 / 21

Abstract Full Text Supplements Related Reports 228 4 301 0 PMC

# Med

## Clinical Advances

### Efficacy and Safety of Lopinavir/Ritonavir and Arbidol in Adult Patients with Mild/Moderate COVID-19: An Exploratory Randomized Controlled Trial

```
graph TD; A[105 patients with mild/moderate COVID-19 were screened] --> B[92 eligible patients]; A --> C[13 did not meet eligibility criteria]; B --> D[86 patients were randomized]; B --> E[6 did not consent]; D --> F[34 randomized to LPV/r]; D --> G[35 randomized to arbidol]; D --> H[17 randomized to no antiviral therapy];
```

Yueping Li, Zhenlin Lin, ..., Fuchun Deng, Linghui Deng

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**HIGHLIGHTS**  
Effective therapies for COVID-19 are needed. Lopinavir/ritonavir were tested in moderate COVID-19. Neither treatment showed significant additional supportive care.

**Navigation**  
Back Skip Complete

**Critical Appraisal**  
Study Type  
Cohort  
Cohort  
Case Control  
Comment

Selection of the non-exposed cohort  
No Selection  
Comment

Ascertainment of exposure  
No Selection  
Comment

Demonstration that the outcome of interest was not present at start of study  
No Selection  
Comment

Comments (0)  
History

### Assess study bias

Fill out the questions as you read through the uploaded study.

**Critical Appraisal**

**Study Type**

Study Type: Cohort

**Selection**

**Representativeness of the exposed cohort**

No description of the derivation of the cohort (Red dot)

Comment

**Selection of the non-exposed cohort**

Drawn from a different source (Yellow dot)

Comment

**Ascertainment of exposure**

Secure record (e.g. surgical records) (Green dot)

Comment

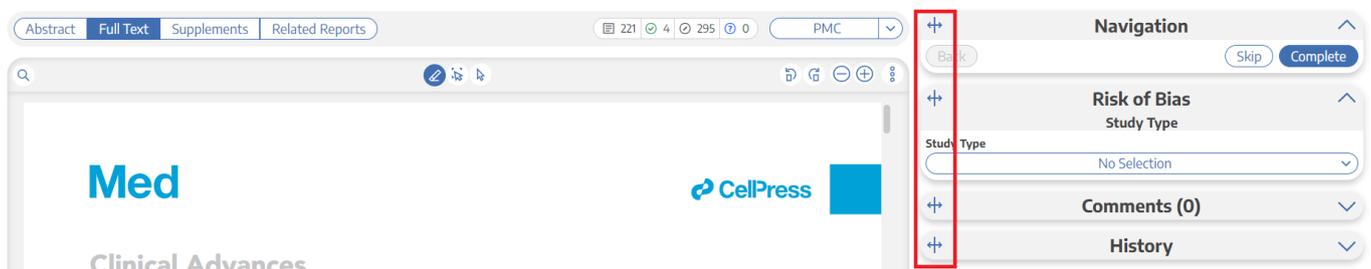
**Demonstration that the outcome of interest was not present at start of study**

No (Red dot)

Comment

You can monitor your progress, skip studies (and return to them later), and leave comments!

**Note:** Anytime there is a module box with the adjustable icon, you can drag to adjust the width of the box depending on your preference.



## Critical Appraisal Visuals

By completing Critical Appraisal, you automatically generate [Critical Appraisal visuals](#): Domain Distribution and Spotlight diagrams on Synthesis.

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