

# Execute Literature Search

When the research question has been finalized, it's time to check the literature.

## 1. Select Nest

From the list on AutoLit, select your Nest.

WELCOME TO

**AutoLit**

Create or select a nest to search, screen, tag, and extract data from studies for a specific review.

Create a New Nest

Demo Nests

Improve AutoLit

Found a bug or have an idea for a new feature?

Make a Feature Request

Support

Search

My Nests

My Nests ▾

	Name ↕	Owner ↕	Records ↕	Accessed (Me) ↓	Accessed (Any) ↕
<input type="checkbox"/>	Femoral Neck Fractures	Kevin Kallmes	1678	Oct 12, 2022	Nov 18, 2022
<input type="checkbox"/>	Anterior vs. Posterior - Mechanical Thrombectomy	Kevin Kallmes	787	Oct 10, 2022	Nov 16, 2022
<input checked="" type="checkbox"/>	Acute Ischemic Stroke - RCTs	Kevin Kallmes	395	Oct 10, 2022	Nov 19, 2022
<input type="checkbox"/>	IIH CDE	Hassan Kobeissi	136	Oct 10, 2022	Nov 11, 2022
<input type="checkbox"/>	Thrombectomy alone vs. Thrombectomy plus thrombolysis	Kevin Kallmes	274	Oct 6, 2022	Nov 19, 2022
<input type="checkbox"/>	Nested Knowledge Publications	Kathryn Cowie	42	Oct 4, 2022	Nov 16, 2022
<input type="checkbox"/>	Tranexamic acid (TXA) in spine surgery	Erin Sheffels	509	Sep 27, 2022	Sep 27, 2022
<input type="checkbox"/>	COVID-19 Sterioids	Kevin Kallmes	441	Sep 27, 2022	Sep 27, 2022
<input type="checkbox"/>	cSDH Radiological Outcomes of ongoing trials	Kevin Kallmes	188	Sep 27, 2022	Nov 15, 2022
<input type="checkbox"/>	COVID-19 ARDS	Kevin Kallmes	1687	Sep 26, 2022	Sep 26, 2022
<input type="checkbox"/>	Convalescent Plasma	Kevin Kallmes	1823	Sep 26, 2022	Sep 29, 2022
<input type="checkbox"/>	Lopinavir ritonavir COVID-19	Kevin Kallmes	1604	Sep 26, 2022	Sep 29, 2022
<input type="checkbox"/>	Remdesivir COVID-19	Kevin Kallmes	3042	Sep 26, 2022	Sep 29, 2022
<input type="checkbox"/>	COVID-19 RCTs of Antivirals	Kevin Kallmes	2614	Sep 26, 2022	Nov 18, 2022
<input type="checkbox"/>	Tabular Outcomes Reporting	Karl Holub	100	Sep 26, 2022	Nov 11, 2022

## 2. Navigate to Literature Search

The Nest menu is the left-side column of buttons. Click on “Literature Search”.

Home: Acute Ischemic Stroke - RCTs

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Review Title:

Database of Randomized Controlled Trials related to Acute Ischemic Stroke clinical guidelines: A report from a living systematic review and network meta-analysis through Nested Knowledge

Authors:

Author Name	Author Role	Author Affiliation
Gautam Adusumilli	Screened, tagged, and extracted most of the data Wrote Protocol, Co-primary Collaborator	MGH
Jeremy Heit	Neurovascular Physician, Co-primary Collaborator	Stanford
Kevin Kallmes	Project oversight	NK
Kristen Hutchison	Will write manuscript and updated protocol	SME/NK
John Pederson	Contributed to protocol writing, performed statistical analysis, performed risk of bias/qualitative appraisal of evidence, and manuscript writing	SME/NK
Hassan Kobeissi	Collaborator	University of Michigan Medical School
Daniel Heiferman	Collaborator	Semmes-Murphey
Nicole Hardy	Project manager	NK

Funding Sources/Sponsors:

None that I am aware of.

Conflicts of Interest:

Members of the NK team were involved in this project that is in part evaluating the effectiveness of NK software. Our collaborators for this project are from the Stanford University Neurosurgery department — And the additional organizations that Daniel and Hassan are a part of\*\*

Notes

Your Mentions

All Mentions

Kristen Hutchison

2/14/22, 11:48 AM

QC completed on 2/11/22\*\*

Kristen Hutchison

2/14/22, 11:47 AM

Final Notes on the QC for this nest: 2/14/22

1. There is a gap-tooth associated with "Advanced imaging required for admission to trial?", because some of the trials didn't mention what type of imaging these used here.

2. Campbell, 2015, and Saver, 2015, have pretty consistent outlying data in relation to the other articles.

4. Distal emboli is an outlier for ivTPA/Medical Therapy intervention group, in comparison to other arms. But, we did break this tag into "distal emboli" and "ENT", so this note may be irrelevant.

5. There is a possible sub-population bias for the Khoury, 2017 article, because of the small inclusion/exclusion criterion.

John Pederson

12/29/21, 5:09 PM

@Gautam Adusumilli which outcome would be

B I U

Comment

### 3. Add Search

Click on the “Add Search” button.

Literature Search: Acute Ischemic Stroke - RCTs

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Add Search +

Searches

Intersections

Term	Search Engine	Schedule	Search Now	History and Details	Delete
(solitaire OR trevo OR penumbra) AND (RCT OR "Randomize...	PubMed	Never	Last Run: 2022-09-22	Method: api Results: 162	
("acute ischemic stroke" OR AIS) AND (thrombectomy OR en...	PubMed	Never	Last Run: 2022-09-22	Method: api Results: 279	

You will be able to see any previous searches performed

### 4. Select Search Engine

From the drop-down, select the Search Engine or database you would like to set up automatic API-

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based search on. Nested Knowledge supports PubMed, EuropePMC, and ClinicalTrials.gov.

For any other search engine or database, you will need to import using [File Import](#) rather than running directly via API.

Each of these search engines use Boolean queries, so you can use AND, OR, NOT, and parentheses to connect different terms. For specific guidance on constructing queries, use the search-engine-specific links here:

- [PubMed](#)
- [EuropePMC](#)
- [ClinicalTrials.gov](#)
- [Directory of Open Access Journals \(DOAJ\)](#)

## 5. Type in your Search Terms

Type your search terms into the “Query” box, type the same as you would in a search engine. **Use parentheses and terms such as AND, OR, NOT, in between your phrases. Click [HERE](#) for tips on how to create a great literature search.**

## 5. Select Search Engine & Schedule

Below the “Query” box, there is a drop-down list of search engines you can choose from. A second drop-down list is below, where you can choose to run the search only once or have it repeatedly run over time (ex: monthly, etc).

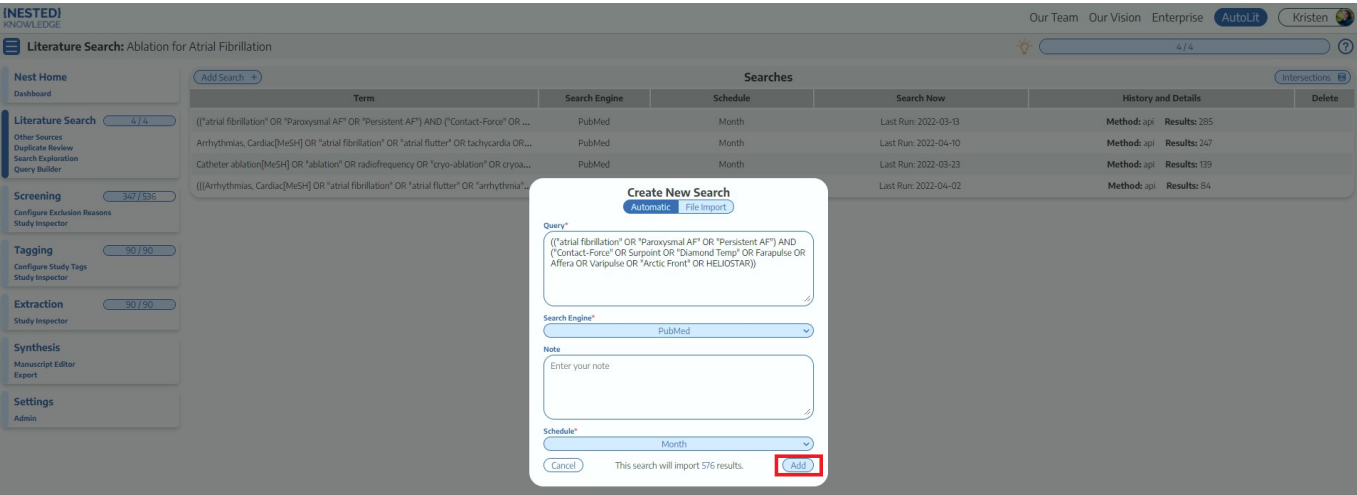
The screenshot displays the 'Create New Search' dialog box in the Nested Knowledge application. The dialog box is overlaid on the 'Literature Search: Acute Ischemic Stroke - RCTs' dashboard. The dashboard includes a sidebar with navigation options like 'Nest Home', 'Literature Search', 'Dual Screening', 'Tagging', 'Extraction', 'Risk of Bias', 'Study Inspector', and 'Synthesis'. The main area shows a table of searches with columns for Term, Search Engine, Schedule, Search Now, and History and Details. The 'Create New Search' dialog box has the following fields:

- Query\*:** (solitaire OR trevo OR penumbra) AND (RCT OR "Randomized controlled trial")
- Search Engine\*:** PubMed
- Note:** Enter your note
- Schedule\*:** Monthly
- Buttons:** Cancel, Add
- Preview:** This search will import 168 results.

## 6.Run Your Search

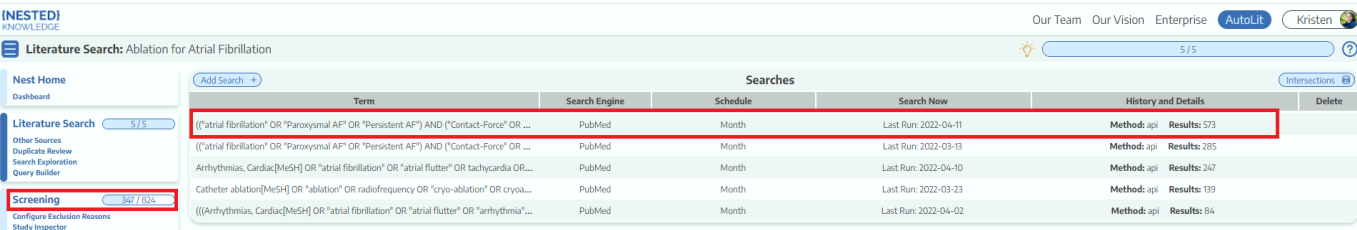
Once you've completed entering all terms, chosen the search engine and schedule of running the

search. Click “Add” in the bottom right corner of the window.



## 7. New Studies will be Added to Screening

Once you add the new search, it will run and be listed at the top of your searches. The added studies will be ready to be screened in the Nest menu.



## Next Steps

When you have confirmed that your final search(es) represent all records you would like to review in your nest, proceed to [Screening](#).

## Useful Information

- **Viewing Search History**
  - To see the full term that was searched on the search engine and the dates on which it was searched, as well as the number of studies retrieved, you can hover over a study and click “Full History”.

**Literature Search: COVID-19 RCTs for Antivirals - Lauren** 5/5 ?

Below are all searches in the nest. Searches may be executed via API (depending on search engine) or RIS file upload.

[+ Add Search](#)

Searches					
Term	Search Engine	Schedule	Search Now	History and Details	Delete
covid-19 and antivirals and randomized controlled trials NOT ...	pubmed	Month	Run <a href="#">↻</a> File <a href="#">↓</a>	<a href="#">Full History</a> <a href="#">ⓘ</a>	<a href="#">🗑️</a>
covid-19 and antivirals and randomized controlled trials NOT ...	pubmed	Month	Last Run: 2021-04-15	Method: api Results: 224	
COVID-19 AND RCTs AND antivirals AND cohort study	pubmed	Month	Last Run: 2021-04-14	Method: api Results: 15	
COVID-19 AND RCTs AND antivirals NOT systematic review ...	pubmed	Month	Last Run: 2021-04-14	Method: api Results: 16	
COVID-19 AND RCTs AND antivirals	pubmed	Month	Last Run: 2021-04-14	Method: api Results: 49	

- **Deletion Warning**

- If you delete a search, you will delete all studies found through that search term, all screening, tagging, extraction data, and any live/updatable export from those studies. Do not delete a search unless you want to remove all results related to it.

- **No Editing**

- To ensure a consistent search record, you cannot edit a search term once executed. You can delete it (see above warning) and replace it, but you cannot edit a search once it is added.

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