

# Bibliomine

When you are performing your literature review, it is often useful to be able to quickly grab references from other papers on your subject of interest. Bibliomining, or citation mining, refers to the act of identifying relevant studies by reviewing and importing the citation list of a study with high relevance to your research question.

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Research Question:

Create clinical guidelines for treatment of Acute Ischemic Stroke based on current literature.

Background:

Based on a previous meta-analysis in 2014, the sooner intravenous alteplase is administered, the higher the functional outcome was noted for the patients. IVT has been recognized as a mainstay treatment for known time of symptom onset and eligible patients.  
([https://www.uptodate.com/contents/approach-to-reperfusion-therapy-for-acute-ischemic-stroke?topicRef=16134&source=see\\_link](https://www.uptodate.com/contents/approach-to-reperfusion-therapy-for-acute-ischemic-stroke?topicRef=16134&source=see_link))

The bridging therapy which is IVT followed by Mechanical Thrombectomy is recommended for patients who qualify for both therapies. This approach may lead to better functional outcomes.  
([https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5863300/#\\_\\_ffn\\_sectitle](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5863300/#__ffn_sectitle))

As the first line of treatment, IVT should be considered for patients who are also eligible for MT. Bleeding complications are a risk for the AIS patients who undergo IVT and should be watched for.  
(<https://www.ahajournals.org/doi/10.1161/STR.0000000000000211>)

A relevant, published meta-analysis making a similar comparison can be found here:  
<https://www.ahajournals.org/doi/10.1161/STR.0000000000000211>.

Search Strategy:

Our search strategy was not based on any previous papers. We used a search strategy to find papers that had some combination of "solitaire", "trevo", "penumbra" and "RCT", "Randomized controlled trial". We ran a second search that included key words as "acute ischemic stroke", "AIS", "thrombectomy", "endovascular" and "RCT", "randomized controlled trial". We only included RCTs and ran our search through pubmed

## 2. Switch to the biblio-mine tab

Add Individual References

Bibliomine

| Title                               | Author       | Source | Date Added | Added By      |   |
|-------------------------------------|--------------|--------|------------|---------------|---|
| Effectiveness and cost of olanza... | Robert Ro... | JAMA   | 1/21/2022  | Kathryn Cowie | X |

## 3. Upload file

Upload a PDF of the study containing the reference you want to bibliomine. Generally, you should bibliomine from existing Systematic Reviews and Meta-Analyses on your topic of interest. It may take

a few minutes to run.

Bibliomine

Upload an article

Its bibliography will be automatically mined and complete bibliographic data will be retrieved from PubMed and CrossRef. You may then select and promote the mined references for import into your nest.

Upload a .pdf

Bibliomine

4. View Bibliomined References

When finished, your references will still Require Review! In this step, you should examine the bibliographic data (Title, author information, PMID/DOI if present); since this process involves pulling text from PDFs, there is a chance that the bibliographic data are incorrect.

NESTED KNOWLEDGE

Docs Support AutoLit Kevin

Other Sources: Demo of Bibliomine and Nest Initialization list

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| File             | Date Bibliomined | User          | Status          | View | Delete |
|------------------|------------------|---------------|-----------------|------|--------|
| nihms-721762.pdf | Feb 17, 2022     | Kevin Kallmes | In Screening    |      |        |
| 210171.full.pdf  | Apr 7, 2022      | Kevin Kallmes | Requires Review |      |        |

Bibliomine

Upload an article

Its bibliography will be automatically mined and complete bibliographic data will be retrieved from PubMed and CrossRef. You may then select and promote the mined references for import into your nest.

Upload a .pdf

Bibliomine

Select the eye icon to view the references pulled from the uploaded study.

5. Review Reference Information

https://wiki.nested-knowledge.com/

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| Bibliomined Studies  |                       |                  |        |
|--|-----------------------|------------------|--------|
| Title  | Author                | Link             | Delete |
| Comparative efficacy and tolerability of 15 antipsychotic drugs in schizophrenia: a multiple-treatments meta-analysis.   | Leucht, Stefan        | PubMed: 23810019 |        |
| Aripiprazole versus placebo for schizophrenia.   | Belgamwar, Ravindra B | PubMed: 21833956 |        |
| Checking consistency in mixed treatment comparison meta-analysis.  | Dias, S               | PubMed: 20213715 |        |
| A randomized, double-blind, placebo-controlled, study of the efficacy and safety of aripiprazole 10, 15 or 20 mg/day for the treatment of patients with acute exacerbations of schizophrenia.                              | McEvoy, Joseph P      | PubMed: 17631314 |        |
| The efficacy and safety of lower doses of aripiprazole for the treatment of patients with acute exacerbation of schizophrenia.   | Cutler, Andrew J      | PubMed: 16946694 |        |
| Efficacy and safety of aripiprazole and haloperidol versus placebo in patients with schizophrenia and schizoaffective disorder.  | Kane, John M          | PubMed: 12363115 |        |
| The positive and negative syndrome scale (PANSS) for schizophrenia.  | Kay, S R              | PubMed: 3616518  |        |
| Comparative effects of 18 antipsychotics on metabolic function in patients with schizophrenia, predictors of metabolic dysregulation, and association with psychopathology: a systematic review and network meta-analysis. | Pillinger, Toby       | PubMed: 31860457 |        |
| Automating network meta-analysis.  | van Valkenhoef, Gert  | PubMed: 26053422 |        |

For any reference that is incomplete or incorrectly recognized in the underlying PDF, select the “x” to delete. You can still add any of these references [manually](#), but ensure that you have removed any incorrect citation information before selecting “Send to Screening.”

## Bibliographic Data

For records with a PMID or DOI, the bibliographic data will be automatically imported. Otherwise, you **will likely need to edit the record's bibliographic data during the Screening process**; we provide a Google Scholar link where possible to help you find the record, but the bibliographic data in AutoLit are based on what was reported in the underlying PDF.

## Send to Screening

When you have finished viewing and editing the references from a PDF, select “Send to Screening” from the main Biblio-mine page to queue all studies for [Screening](#). **This step is irreversible**, so do not press Send to Screening until you have finalized the references you would like to import!



Q. What if the uploaded Systematic Review reports the included trials in a supplementary appendix or a table only? A. The biblio-mining tool depends on being able to recognize a consistent format for references in the uploaded article's bibliography. Materials found only in tables or supplementary resources will not be identified, and formats not supported by the biblio-mining tool may need to be manually removed before finalizing your list of studies to be queued.

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