Qualitative Synthesis

Qualitative Synthesis presents the results of your Tagging in an interactive visual. You can use it to drill down on the qualitative content of underlying studies, and it should be used in combination with the screening outputs on the PRISMA diagram and the meta-analytical results displayed in Quantitative Synthesis.



Video

1. Navigate to Synthesis

From the Nest menu, click on "Synthesis" in the left hand menu.

Home: Basilar Artery - thrombe	ctomy vs. thrombolysis			2 🖻 🔁
Nest Home Dashboard Settings	Show Table of Contents Objective	Protocol	Edit 🖉 🔋	Notes Your Mentions All Mentions No comments yet-use this space to discuss your nest in general and ask questions of your team Space to discuss your nest in general and ask questions of your team
Literature Search 3/3 Other Sources Duplicate Review Search Exploration Screening 279/311	Determine whether endovascular thrombe angiographic outcomes than medical there Scope Clinical trials or prospective studies design	ctomy in patients presenting with acute basilar artery ischemic stroke results in py alone red at evaluating clinical outcomes (functional and imaging) in basilar stroke pe erapy for acute basilar artery ischemic stroke		g
Configure Screening Tagging 4/4 Configure Tagging	Population Patients presenting with acute basilar isch Primary Outcomes	emic stroke within 12 hours of symptom onset		
Extraction 4/4 Configure Extraction	Good functional outcome, defined as Secondary Outcomes	mRS 0-3		
Critical Appraisal 4/4 Study Inspector	Functional independence (mRS 0-2) Rate of TICI 2b/3 recanalization Rate of early neurological improvem All-cause mortality	at 90 days ent (NIHSS improvement of >8 or NIHSS 0/1 at 24 hours)		
Synthesis Manuscript Editor Abstract Editor Export	Occurrence of symptomatic ICH Occurrence of distal emboli post-pro Onset-to-needle time Onset to puncture time	cedure		

2. Navigate to Qualitative Synthesis

Click on the "Qualitative Synthesis" box.

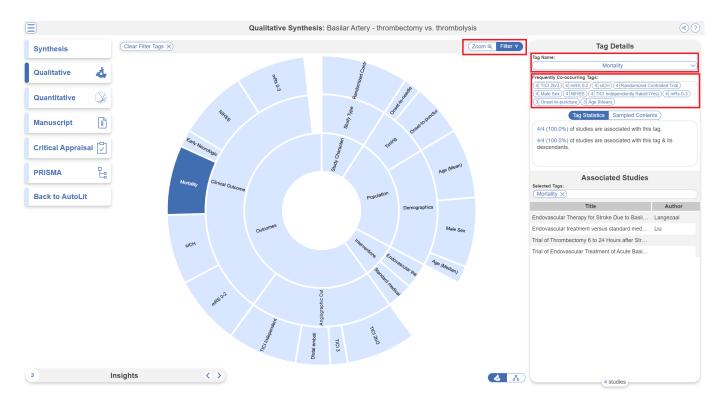
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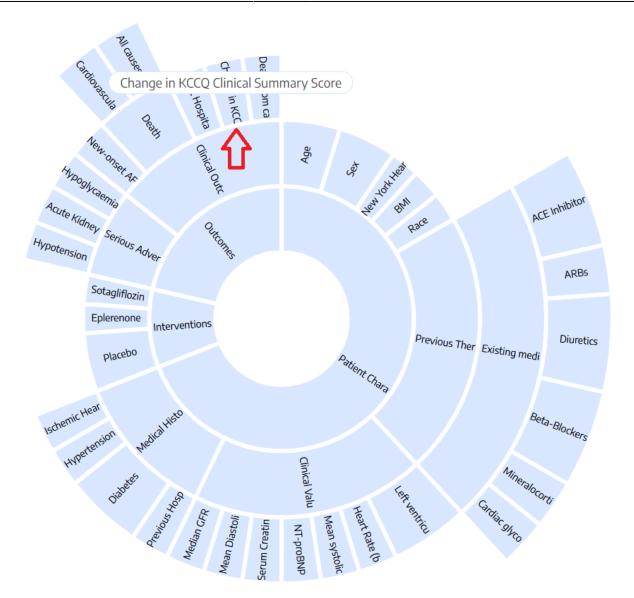
\equiv	Synthesis: Basilar Artery - thrombectomy vs. thrombolysis
Synthesis	Abstract
Qualitative	Kevin Kallmes, John Pederson, Kathryn Cowle, Nicole Hardy, Kristen Hutchison, Hassan Kobelssi, Gautam Adusumilli, Ranita Tarchand, Daniel Heiferman, Jeremy J Heit Last Edited: 2022-09-26
Quantitative	Background Endovascular thrombectomy (EVT) is an effective treatment for acute ischemic stroke attributable to the anterior circulation large-vessel occlusion. Randomized trials of patients with posterior circulation large-vessel occlusion (PC-LVO) have failed to show a benefit of EVT over medical therapy (MEDT). We performed a systematic review and meta-analysis to understand better whether EVT is beneficial for PC-LVO.
Manuscript	(WED1), we pertormed a systematic review and inera-analysis to understand detter whether EVT is dehendant or PO-EVO.
Critical Appraisal	Using the Nested Knowledge AutoLit living review platform, we identified randomized control trials and prospective studies that reported functional outcomes in patients with PC-LVO treated with EVT versus MEDT. The primary outcome variable was 90-day modified Rankin scale score of 0 to 3, and secondary outcome variables included 90-day modified Rankin scale score of 0 to 2, 90-day mortality, and rate of symptomatic intracranial hemorrhage. A separater random effects model was fit for each outcome measure to calculate pooled odds ratios.
PRISMA	Results
Back to AutoLit	Three studies with 1248 patients, 860 in the EVT arm and 388 in the MEDT arm, were included in the meta-analysis. The favorable outcome rate (modified Rankin scale score of 0-3) in patients undergoing EVT was 39.9% (65% C, 13.0%–60.4%) versus 24.5% in patients undergoing MEDT (95% Cl, 9.6%–49.8%). Patients undergoing EVT had higher modified Rankin scale score of 0 to 2 rates (31.8% [95% Cl, 25.7%–38.5%) versus 19.7% [95% Cl, 7.4%–42.7%)] and lower mortality (42.1% [95% Cl, 35.9%–48.6%) versus 52.8% [95% Cl, 33.9%–71.5%]) compared with patients undergoing MEDT, but nether result was statistically significant. Patients undergoing EVT were more likely to develop symptomatic intracranial hemorrhage (odds ratio, 10.36; 95% Cl, 3.92–27.40).
	Conclusions EVT treatment of PC-LVO trended toward superior functional outcomes and reduced mortality compared with MEDT despite a trend toward increased symptomatic intracranial hemorrhage in patients undergoing EVT. Existing randomized and prospective studies are insufficiently powered to demonstrate a benefit of EVT over MEDT in patients with PC-LVO.
	Study information:
	PMID: N/A DOI: 10.1161/svin.121.000147
	Key Insights:
	👌 Evidence quality difference? Registry vs. RCTs does not impact findings
	Two included studies were RCTs, while the third (the BASILAR study) reported a prospective registry. While mortality was much higher in this registry for

3. Explore Sunburst View

Sunburst is an interactive feature that allows you to explore all tags within a Nest. Explore using the following functions:



Hovering over each segment shows you the full tag name.



Filter the Sunburst

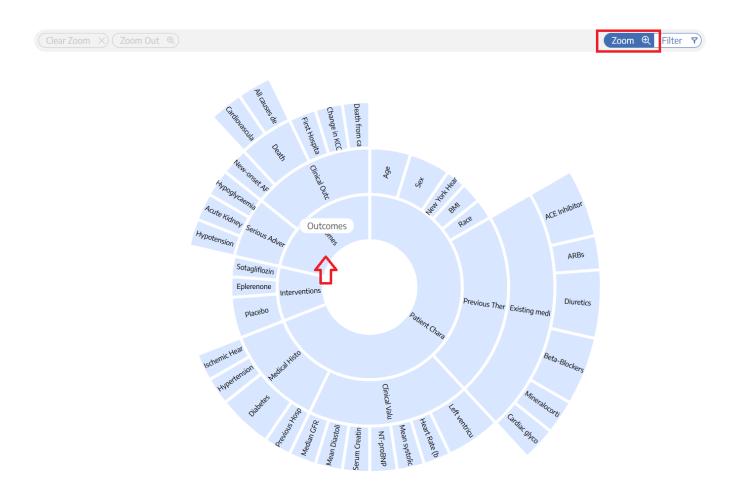
- **Click on Sunburst segments:** To filter the list of Associated Studies on the right, toggle on the "Filter" button, and click any segment of the Sunburst diagram. If you select multiple segments, the filters will be stacked- that is, only records with BOTH tags applied will be presented in the study list.
 - **Clearing selection:** You can clear all tags selected by clicking "Clear Filter Tags" in the upper left.
 - *Frequently Co-occurring Tags:* Once you select segment(s), a list of the most commonlyoccurring tags will automatically pop up under Tag Search.
 - View Tag Statistics: Beneath Frequently Co-occurring Tags, the Tag Statistics box shows the number of studies associated with the most recently selected tag, as well as that tag & its descendants.
 - *View Sample Contents:* Toggle from Tag Statistics to Sample Contents to see the tag text excerpts associated with studies based on your **most recently selected tag**.
- **Use Tag Search:** Alternatively, if you cannot find the tag you want to filter by, use the Tag Search (upper right) to select the segment of interest.
 - *Note:* Tag Search is located in the upper right, under "Tag Name".

Filtering Synthesis

Alongside filtering the sunburst, you can also apply broader filters to view specific sets of studies via the Settings button in the top right. Learn more about Synthesis Filters.

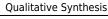
Zoom on the Sunburst

• **Zoom:** Qualitative Synthesis Zoom functions by 'drilling down' on tags of interest. To switch from "Filtering" to "Zooming" on segments of the sunburst diagram, toggle to "Zoom" in the upper right of the page:

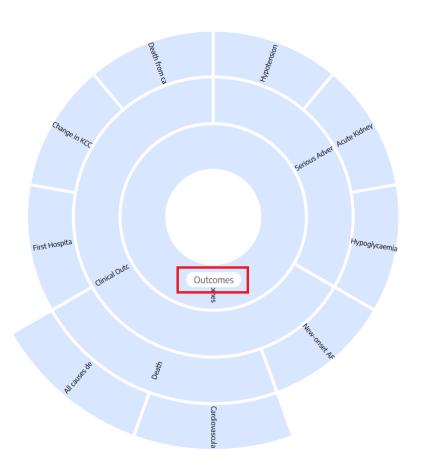


Then, select the tag that you would like to be the new 'inner ring' of your sunburst. In the example above, selecting "Outcomes" makes it the new inner ring, with all sub-tags displayed in the next ring:





Zoom 🕀 Filter 🏹



This Zooming action can be done iteratively- that is, selecting any tag below "Outcomes" in the example above would make that new tag the inner ring.

When you are finished Zooming in, you can:

- **Filter**: To switch back to Filtering the Zoomed-in sunburst, toggle to "Filter" in the upper right; or
- Clear Zoom: To Zoom out to the full sunburst, click "Clear Zoom" in the upper left.

Reorder or Hide Segments on Sunburst

Since the order of segments shown on the sunburst reflects the order of tags in the tagging hierarchy, you may wish to reorder these tags. See instructions on how to Reorder Tags.

If you wish to hide tags in Synthesis, see instructions here. Tags will only be hidden in Synthesis and will still be present in AutoLit.

4. Explore Dendrogram View

You can also view and share our interactive output in the form of a dendrogram, which closely mirrors the tagging hierarchy in AutoLit. You can toggle between the two forms using the icons in the bottom right corner:

2023/12/13 14:22	wiki:synthesis:qualitative https: 	//wiki.nested-knowle	dge.com/doku.php?id=wi	ki:synthesis:qualitativ	e&rev=1702477371
Clear Filter Tags X					oom 🔍 Filter 🍸
		Select tag to	filter		
	Patient Characteristics		Interventions	Outcomes	
Insights	< >				4 b

All features remain the same as in the sunburst, the only difference is the presentation.

Note: You can share and download filtered studies, but you cannot embed with this format currently.

Associated Studies

Last undate.

In both the sunburst and dendrogram view, when you click on a tag, you can view the associated studies on the right hand side. When clicking on a specific study, you can view the abstract, quantitative data, tags and searches corresponding to that study.

In the "Tags" tab, you can see a list of all tags and their contents. If your nest contains tags with table contents, the table will be shown here. However, this data can be exported in Study Inspector.

A Randomized Trial of Intravenous Alteplase before Endovascular Treatment for Stroke.						
Natalie E LeCouffe, Manon Kappelhof, Kiliar 11/10/2021	n M Treurniet, Leon A Rinkel, Agnetl	ha E Bruggeman, Olvert A Ber				
	Abstract Data	Tags Searches	PubMed v			
Tag Name		Contents				
Sex	Male	Female	Prefer not to say			
	202	333				
.8	ч v		Close			

5. Share, Embed or Download

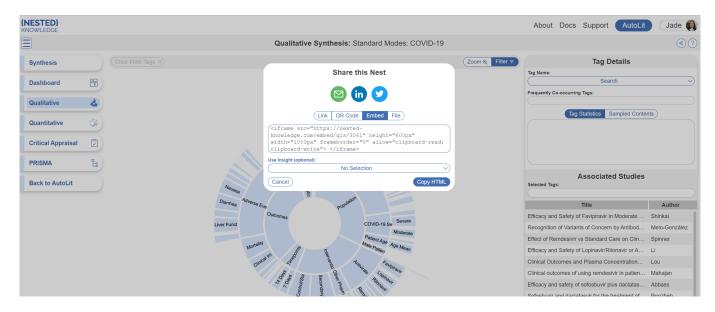
Share your Qualitative Synthesis page by clicking the Share icon in the upper right and a modal will appear:

Ξ		Qualitative Synthesis: Standard Modes: COVID-19		?
Synthesis Dashboard	Clear Filter Tags X	Zoom Q Filter V Share this Nest This Synthesis is not configured for public access, you can turn this on in	Tag Details Tag Name: Search	v
Qualitative	4	Settings. Otherwise, public users will be unable to view your work. Link QR Code File (https://nested-knowledge.com/nest/qualitative/3061)	Frequently Co-occurring Tags: Tag Statistics Sampled Conte	ents
Critical Appraisal		Use Insight (optional): No Selection Cancel Copy Link		
PRISMA Back to AutoLit	E:	All a de la company company and	Associated Studies	
		Diarrhea Adverse Eve Population	Title	Author
		Outcomes Liver Fund	Efficacy and Safety of Favipiravir in Moderate	
		Liver Funct	Recognition of Variants of Concern by Antibod	
		Notality 3 3 3	Effect of Remdesivir vs Standard Care on Clin	
		We and The Test	Efficacy and Safety of Lopinavir/Ritonavir or A	
		Charles Let and Antiger Faultinger	Clinical Outcomes and Plasma Concentration	
		Second Charles	Clinical outcomes of using remdesivir in patien Efficacy and safety of sofosbuvir plus daclatas	
		Rest And Contraction	Sofosbuvir and daclatasvir for the treatment of	
		O Sur Y	Remdesivir for the treatment of patients in hos	
		plem	A Trial of Lopinavir-Ritonavir in Adults Hospital	
		and the second se	Favipiravir and Hydroxychloroquine Combinati	

You have the choice of sharing the QLS page via a link or downloading a QR code. If you share the link directly from the QLS page, you will share this page directly; however, if link-shared, recipients will be

able to view all Synthesis pages.

If your nest is public (see Settings to do so) you will also have the option to embed QLS into a webpage. Simply copy the HTML code and paste it into your site of choice.



Download Filtered Studies

In QLS only, in this same modal, you have the choice to download a curated spreadsheet of filtered studies and all tags reported using the "Share" function. In the upper right, click the "Share" button, under the "File" menu, click "Download Filtered Studies."

Note: If no tags are selected, the spreadsheet will contain all studies and all tags. If certain tags are selected, the spreadsheet will **only** contain those filtered studies and their tags.

