

## Supplementary text 1 - Search strategies and results

IDDO/Oxford University Clinical Research Unit:

### A systematic review of dengue therapeutics clinical studies

Eli Harriss (Bodleian Health Care Libraries, University of Oxford, ORCID: 0000-0003-4635-8959) created the search strategy and ran the searches on 02/08/2023 and updated them on 24/10/2024, managed the results, wrote the methods paragraph, and reviewed the pre-submission manuscript.

#### Methodology paragraph

The following bibliographic databases and trial registries were searched by an information specialist (EH) on 02/08/2023 and updated them in full on 24/10/2024 for studies published from database inception to the search date about dengue therapeutics: Ovid MEDLINE; Ovid Embase; clinicaltrials.gov; and the WHO International Clinical Trials Registry. The databases were searched using relevant index terms and free text terms, synonyms, and phrases in the title and abstract fields for relevant papers to meet the aims of this review. Ovid Embase was searched using part of the Box 3.e Cochrane Highly Sensitive Search Strategy for identifying controlled trials in Embase: (2018 revision); Ovid format, and Ovid MEDLINE was searched using the Box 3.c Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity-maximizing version (2008 revision); Ovid format (Lefebvre et al, 2022)\*. No limits were applied to the results. The full strategies are available in the appendix. All references were exported to EndNote 20 (Thomson Reuters, New York, NY), and duplicates were removed using Covidence ([www.covidence.org](http://www.covidence.org)).

\*Lefebvre C, Glanville J, Briscoe S, Featherstone R, Littlewood A, Marshall C, Metzendorf M-I, Noel-Storr A, Paynter R, Rader T, Thomas J, Wieland LS. Technical Supplement to [Chapter 4](#): Searching for and selecting studies. In: Higgins JPT, Thomas J, Chandler J, Cumpston MS, Li T, Page MJ, Welch VA (eds). *Cochrane Handbook for Systematic Reviews of Interventions* Version 6.3 (updated February 2022). Cochrane, 2022. Available from: [www.training.cochrane.org/handbook](http://www.training.cochrane.org/handbook).

#### Search Results

	Search Results 02/08/2023	Search Results 24/10/2024
Ovid Embase	4397	4883
Ovid MEDLINE	2794	3042
Clinicaltrials.gov	248	267
Total	7439	8192
Total after deduplication in EndNote	6805	7628
Unique since 02/08/2023		846
<b>WHO ICTRP (screen separately in Excel)</b>	431	<b>42 (Added 01/08/2023- 31/10/2024)</b>

## Search Strategies

### Embase 1974 to present

<https://ovidsp.ovid.com/ovidweb.cgi?T=JS&NEWS=N&PAGE=main&SHAREDSEARCHID=7ZIR6v6Ndpv rwQ5fup16YTW2WB6GIWYIV2juEW9taz0IgtZ1K7Oyqo8BSA2ooMflo>

- 1 exp randomized controlled trial/ 852312
- 2 Controlled clinical trial/ 474219
- 3 random\$.ti,ab. 2135133
- 4 randomization/ 100243
- 5 intermethod comparison/ 309179
- 6 placebo.ti,ab. 385170
- 7 (compare or compared or comparison).ti. 637860
- 8 ((evaluated or evaluate or evaluating or assessed or assess) and (compare or compared or comparing or comparison)).ab. 3019629
- 9 (open adj label).ti,ab. 119739
- 10 ((double or single or doubly or singly) adj (arm\* or blind or blinded or blindly)).ti,ab. 322780
- 11 double blind procedure/ 225105
- 12 parallel group\$1.ti,ab. 34534
- 13 (crossover or cross over).ti,ab. 131081
- 14 ((assign\$ or match or matched or allocation) adj5 (alternate or group\$1 or intervention\$1 or patient\$1 or subject\$1 or participant\$1)).ti,ab. 445335
- 15 (assigned or allocated).ti,ab. 526835
- 16 (controlled adj7 (study or design or trial)).ti,ab. 487367
- 17 (volunteer or volunteers).ti,ab. 293470
- 18 human experiment/ 673642
- 19 trial.ti. 440806
- 20 or/1-19 6792038
- 21 exp dengue/ 31121
- 22 (dengue or "break bone fever" or "breakbone fever" or "thai haemorrhagic fever" or "thai hemorrhagic fever" or "plasma leakage").ti,ab,kw. 38922
- 23 21 or 22 43901
- 24 20 and 23 5103
- 25 (rat or rats or mouse or mice or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).ti. and animal experiment/ 1272964
- 26 Animal experiment/ not (human experiment/ or human/) 2678758
- 27 25 or 26 2755826
- 28 24 not 27 4883

### Medline (Ovid MEDLINE Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE Daily and Ovid MEDLINE) 1946 to present

<https://ovidsp.ovid.com/ovidweb.cgi?T=JS&NEWS=N&PAGE=main&SHAREDSEARCHID=5ZIAhAhr6RL EWWyoSTLlw9GGVZ9iLywCGVSLtP42yhUaEYsQyQWHDuVQiPatOoPmY>

- 1 randomized controlled trial.pt. 623961
- 2 controlled clinical trial.pt. 95623
- 3 randomized.ab. 665678
- 4 placebo.ab. 252976
- 5 drug therapy.fs. 2746578
- 6 randomly.ab. 444934

7	trial.ab.	720783	
8	groups.ab.	2753834	
9	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8		6103805
10	exp Dengue/	17095	
11	(dengue or "break bone fever" or "breakbone fever" or "thai haemorrhagic fever" or "thai hemorrhagic fever" or "plasma leakage").ti,ab,kw.		30749
12	10 or 11	31604	
13	9 and 12	3559	
14	exp animals/ not humans.sh.	5269775	
15	13 not 14	3042	

#### **Clinicaltrials.gov**

<https://classic.clinicaltrials.gov/ct2/search/advanced?>

Advanced search: Condition or disease – dengue

#### **World Health Organization International Clinical Trials Registry Platform**

<https://trialsearch.who.int/AdvSearch.aspx>

Condition: Dengue

**For searches run on 24/10/2024, results were limited to those with a Date of registration between 01/08/2023 – 31/10/2024**