

# The Medical Detective

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\* Gibt eine erforderliche Frage an



Welcome

### Purpose of this Study

We want to understand how people **check if a biomedical statement is true or not** and **how** they **find evidence** to judge those statements.

### Your Task

You will be presented with a **Twitter post** which contains a **biomedical claim**. You will **fact-check** this claim by **searching for relevant evidence on PubMed**, a database of biomedical articles. The study should take you about 1 hour to complete.

Please be aware that you might be looking at claims which convey false biomedical information.

You can stop the study at any time. Note that you won't be paid in this case.

### Data Collection

The data we collect will not contain any personal information. It will be used for researching automatic fact-checking and made publicly available in an anonymized form. We will write a scientific paper about this study which can include anonymized examples from the collected data. Our research is conducted as part of the XXXXXXXX project, funded by the XXXXXXXX. It is conducted by XXXXXXXX at the XXXXXXXX.



If you give your **consent** to take part in the study, click on 'I agree'. \*

☐ I agree

☐ I do not agree

Weiter

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## Claim 1

Consider the following tweet:

\$NMTR Bought the dip at 1.10 this morning. We're ecstatic. From our research, Larazotide's lowest dose (1MG) is also its most effective dose. It does not replace **GFD as a treatment for CeD**. That means it'll likely be used as a maintenance drug. Follow us for more.

In the bold-faced section the tweet claims that:

*GFD treats CeD*



### Search for evidence

On the next page, we will **give you a link that takes you to PubMed**, a search engine for biomedical articles. Before you click it **read the instructions carefully**.

Your goal is to **find an article** which has **supporting or refuting evidence for the claim** you just read. (Don't worry, you can always scroll back up to re-read the tweet.)

1. The link takes you to **PubMed**. The **search bar will have a search query already in it**, so you can start exploring the results right away.
2. Take at most **4-5 minutes** and go over the **search results** listed on that page. **Only read their titles and abstracts**. If an article does not come with an abstract, skim the first paragraph of the introduction and judge the evidence based on that.
3. Find an article that **covers the claim that you are researching**. Keep an eye out for a **text passage** that you could provide as evidence.
4. If you find such an article, come back to the survey, but **do not close the browser window with the PubMed search**.
5. If you find **no useful information in the articles** or there are **no search results at all**, come **back to the survey**.

Click the link to start your PubMed search:

<https://pubmed.ncbi.nlm.nih.gov/?term=%28GFD%29+AND+%28CeD%29>

I was able to find evidence (either supporting or refuting). \*

- ☐ Yes.
- ☐ No, based on the evidence I looked at, the claim is UNVERIFIABLE.

Zurück

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How does the evidence relate to claim 1?

The tweet:

\$NMTR Bought the dip at 1.10 this morning. We're ecstatic. From our research, Larazotide's lowest dose (1MG) is also its most effective dose. It does not replace **GFD as a treatment for CeD**. That means it'll likely be used as a maintenance drug. Follow us for more.

In the bold-faced section the tweet claims that:

*GFD treats CeD*

Enter the PubMed id(s) of the article(s) that includes supporting or refuting evidence for the claim in this tweet. \*

If you need **more than one** PubMed article/abstract to support or refute a claim, enter the ids like this:

12345678; 12345678

Meine Antwort



Does this evidence support/refute this claim? \*

- ☐ The evidence SUPPORTS the claim.
- ☐ The evidence PARTIALLY SUPPORTS the claim.
- ☐ The evidence PARTIALLY REFUTES the claim.
- ☐ The evidence REFUTES the claim.

In case you found multiple pieces of evidence: how do the documents relate to each other? \*

- ☐ All evidence documents are necessary to support or refute the claim.
- ☐ The first evidence document allows checking the claim, but I came across more relevant documents during my research.
- ☐ Does not apply, I only added one document.

Copy and paste the sentence(s) from the article's abstract that made you come to this decision. \*

Meine Antwort

Any comments or notes that you want to share with us about this particular claim or your search for evidence?

Meine Antwort

Zurück

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Can you refine your PubMed search for claim 1?

The link on the following page will **take you to PubMed again**. This time, we want you to **refine the search**

so that you might find evidence that helps fact-checking the claim. If you've done this for the previous tweet, you know what to do. Otherwise please read the instructions carefully.

As before, your goal is to find an article which will provide supporting or refuting evidence for the claim in the tweet above.

1. The link takes you to PubMed again. As before, the **search bar will have a prepared search query already in it**.
2. **Refine the query**. You can also take a look at the "**Similar Articles**" section that PubMed provides.
3. Only read the **titles and abstracts**.
4. Find an article that **covers the claim** that you are researching. Keep an eye out for a **text passage** that you could provide as evidence.
5. If you find such an article, come back to the survey, but **do not close the browser window with your PubMed search**.
6. If after **2-3 minutes**, you **haven't found any useful information** even when refining the query, **come back to the survey**.

The tweet:



\$NMTR Bought the dip at 1.10 this morning. We're ecstatic. From our research, Larazotide's lowest dose (1MG) is also its most effective dose. It does not replace **GFD as a treatment for CeD**. That means it'll likely be used as a maintenance drug. Follow us for more.

In the bold-faced section the tweet claims that:

*GFD treats CeD*

Click the link to start your PubMed search:

<https://pubmed.ncbi.nlm.nih.gov/?term=%28GFD%29+AND+%28CeD%29>

After refining the query, I was able to find evidence (either supporting or refuting). \*

- ☐ Yes.
- ☐ No, based on the evidence I looked at, the claim is UNVERIFIABLE.

Zurück

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## Rating

We want to understand why this claim is not checkable. \*

If you had time to continue the research (maybe also searching outside PubMed), adapt the query etc., how confident are you that relevant evidence exists.

- ☐ Very. I'm sure relevant evidence exists.
- ☐ Pretty sure that suitable evidence is out there somewhere.
- ☐ Hard to say, I really don't know.
- ☐ Mostly sure that no suitable evidence exists.
- ☐ Very sure that there is no evidence out there which I could use to check the claim.

Zurück

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