

# Best Evidence Summaries of Topics in Mental Healthcare

**BEST** *in* **MH** *clinical question-answering service*

## Question

“In adults, what is the association between letrozole use and developing treatment-resistant depression? Is there any advice on management?”

## Clarification of question using *PRO* structure

*Patients:* Adults  
*Risk Factor:* Letrozole  
*Outcome:* Treatment-resistant depression

## **Clinical and research implications**

No relevant evidence was found.

## **What does the evidence say?**

### ***Number of included studies/reviews (number of participants)***

N/A

### ***Main Findings***

N/A

### ***Authors Conclusions***

N/A

### ***Reliability of conclusions/Strength of evidence***

N/A

## **What do guidelines say?**

Neither National Institute for Health and Care Excellence (NICE ) nor Scottish Intercollegiate Guidelines Network (SIGN) guidelines comment upon the association between letrozole and treatment-resistant depression.

**Date question received:** 30/07/2014

**Date searches conducted:** 05/08/2014

**Date answer completed:** 07/08/2014

## Search Details

Source	Search Strategy	Number of hits	Relevant evidence identified
<b>SRs and Guidelines</b>			
NICE	letrozole depression	2	0
DARE	1 (Letrozole) IN DARE 28 Delete 2 (Femara) IN DARE 1 Delete 3 (Aromatase adj2 Inhibitor*) IN DARE 55 Delete 4 MeSH DESCRIPTOR Aromatase Inhibitors EXPLODE ALL TREES 71 Delete 5 #1 OR #2 OR #3 OR #4 101 Delete 6 (depress*) IN DARE 2015 Delete 7 MeSH DESCRIPTOR Depressive Disorder, Treatment-Resistant EXPLODE ALL TREES 9 Delete 8 MeSH DESCRIPTOR Depression EXPLODE ALL TREES 517 Delete 9 MeSH DESCRIPTOR Depressive Disorder EXPLODE ALL TREES 932 Delete 10 #6 OR #7 OR #8 OR #9 2472 Delete 11 #5 AND #10 1 Delete	1	0
<b>Primary studies</b>			
CENTRAL	#1 MeSH descriptor: [Aromatase Inhibitors] explode all trees 432 #2 MeSH descriptor: [Depressive Disorder, Treatment-Resistant] explode all trees 43 #3 letrozole 623 #4 femara 36 #5 "treatment resistant depression" 265 #6 #1 or #3 or #4 850 #7 #2 or #5 281 #8 #6 and #7 0	0	0
PsycINFO	11. PsycINFO; AROMATASE INHIBITORS/; 0 results. 12. PsycINFO; letrozole.ti,ab; 38 results.	0	0

	<p>13. PsycINFO; femara.ti,ab; 0 results.</p> <p>14. PsycINFO; 11 OR 12 OR 13; 38 results.</p> <p>15. PsycINFO; DEPRESSIVE DISORDER, TREATMENT-RESISTANT/; 0 results.</p> <p>16. PsycINFO; "treatment resistant depression".ti,ab; 1009 results.</p> <p>17. PsycINFO; 15 OR 16; 1009 results.</p> <p>18. PsycINFO; 14 AND 17; 0 results.</p> <p>19. PsycINFO; exp DEPRESSIVE DISORDER/; 0 results.</p> <p>20. PsycINFO; 14 AND 19; 0 results.</p> <p>PsycINFO; TREATMENT RESISTANT DEPRESSION/; 1486 results.</p> <p>2. PsycINFO; letrozole.ti,ab; 38 results.</p> <p>3. PsycINFO; 1 AND 2; 0 results</p>		
EMBASE	<p>11. EMBASE; AROMATASE INHIBITORS/; 9788 results.</p> <p>12. EMBASE; letrozole.ti,ab; 2687 results.</p> <p>13. EMBASE; femara.ti,ab; 104 results.</p> <p>14. EMBASE; 11 OR 12 OR 13; 11247 results.</p> <p>15. EMBASE; DEPRESSIVE DISORDER, TREATMENT-RESISTANT/; 669 results.</p> <p>16. EMBASE; "treatment resistant depression".ti,ab; 1551 results.</p> <p>17. EMBASE; 15 OR 16; 1773 results.</p> <p>18. EMBASE; 14 AND 17; 0 results.</p> <p>19. EMBASE; exp DEPRESSIVE DISORDER/; 308801 results.</p> <p>20. EMBASE; 14 AND 19; 297 results.</p> <p>21. EMBASE; random*.ti,ab; 887519 results.</p> <p>22. EMBASE; factorial*.ti,ab; 23062 results.</p> <p>23. EMBASE; (crossover* OR cross-over*).ti,ab; 69101 results.</p> <p>24. EMBASE; placebo*.ti,ab; 199676 results.</p> <p>25. EMBASE; (doubl* ADJ blind*).ti,ab; 141989 results.</p> <p>26. EMBASE; (singl* ADJ blind*).ti,ab; 14421 results.</p> <p>27. EMBASE; assign*.ti,ab; 239097 results.</p> <p>28. EMBASE; allocat*.ti,ab; 83882 results.</p>	65	0

	<p>29. EMBASE; volunteer*.ti,ab; 176050 results.</p> <p>30. EMBASE; CROSSOVER PROCEDURE/; 39647 results.</p> <p>31. EMBASE; DOUBLE BLIND PROCEDURE/; 114614 results.</p> <p>32. EMBASE; RANDOMIZED CONTROLLED TRIAL/; 346665 results.</p> <p>33. EMBASE; SINGLE BLIND PROCEDURE/; 18609 results.</p> <p>34. EMBASE; 21 OR 22 OR 23 OR 24 OR 25 OR 26 OR 27 OR 28 OR 29 OR 30 OR 31 OR 32 OR 33; 1414464 results.</p> <p>35. EMBASE; 20 AND 34; 65 results.</p>		
Medline	<p>1. MEDLINE; AROMATASE INHIBITORS/; 4720 results.</p> <p>2. MEDLINE; letrozole.ti,ab; 1694 results.</p> <p>3. MEDLINE; femara.ti,ab; 77 results.</p> <p>4. MEDLINE; 1 OR 2 OR 3; 5410 results.</p> <p>5. MEDLINE; DEPRESSIVE DISORDER, TREATMENT-RESISTANT/; 242 results.</p> <p>6. MEDLINE; "treatment resistant depression".ti,ab; 1060 results.</p> <p>7. MEDLINE; 5 OR 6; 1180 results.</p> <p>8. MEDLINE; 4 AND 7; 0 results.</p> <p>9. MEDLINE; exp DEPRESSIVE DISORDER/; 81469 results.</p> <p>10. MEDLINE; 4 AND 9; 1 results.</p>	1	0
Summary	NA	NA	

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