

Best Evidence Summaries of Topics in Mental Healthcare

BEST in MH *clinical question-answering service*

Question

“In older adults (aged 75+) with either closed-angle glaucoma or at risk of closed-angle glaucoma, what is the association between taking antidepressant medication and either worsening or getting closed-angle glaucoma?”

Clarification of question using *PRO* structure

<i>Patients:</i>	Older adults (aged 75+) with either closed-angle glaucoma or at risk of closed-angle glaucoma
<i>Risk Factor:</i>	Antidepressant medication
<i>Outcome:</i>	Either worsening or getting closed-angle glaucoma

Clinical and research implications

No relevant systematic reviews, randomised controlled trials, or cohort/case control studies were found to answer this question. However, there have been several case studies and literature reviews suggesting an association between antidepressant use and closed-angle glaucoma. Therefore, this is a clinically relevant topic and further research is needed.

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 risk of closed-angle glaucoma (or its worsening) as a consequence of antidepressant use.

Date question received: 13/11/2014

Date searches conducted: 08/12/2014

Date answer completed: 11/12/2014

Search Details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>SRs and Guidelines</i>			
NICE	glaucoma antidepressant	9	0
DARE	(depress*) IN DARE 2080 Delete 2 MeSH DESCRIPTOR Depression EXPLODE ALL TREES 539 Delete 3 MeSH DESCRIPTOR Depressive Disorder EXPLODE ALL TREES 969 Delete 4 MeSH DESCRIPTOR Depressive Disorder, Major EXPLODE ALL TREES 306 Delete 5 (old* Or elder* OR geriatric*) IN DARE 3239 Delete 6 MeSH DESCRIPTOR Aged, 80 and over EXPLODE ALL TREES 2861 Delete 7 MeSH DESCRIPTOR Aged EXPLODE ALL TREES 8385 Delete 8 MeSH DESCRIPTOR Geriatric Nursing EXPLODE ALL TREES 29 Delete 9 MeSH DESCRIPTOR Geriatric Psychiatry EXPLODE ALL TREES 7 Delete 10 MeSH DESCRIPTOR Geriatrics EXPLODE ALL TREES 40 Delete 11 MeSH DESCRIPTOR Health Services for the Aged EXPLODE ALL TREES 146 Delete 12 MeSH DESCRIPTOR Frail Elderly EXPLODE ALL TREES 79 Delete 13 #1 OR #2 OR #3 OR #4 2544 Delete 14 #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR	165	0

	#12 10684 Delete 15 #13 AND #14 578 Delete 16 (antidepress* OR anti-depress*) IN DARE 793 Delete 17 MeSH DESCRIPTOR Antidepressive Agents EXPLODE ALL TREES 685 Delete 18 MeSH DESCRIPTOR Antidepressive Agents, Second-Generation EXPLODE ALL TREES 110 Delete 19 MeSH DESCRIPTOR Antidepressive Agents, Tricyclic EXPLODE ALL TREES 117 Delete 20 #16 OR #17 OR #18 OR #19 1008 Delete 21 #15 AND #20		
Primary studies			
CENTRAL	#13 "closed angle glaucoma" 82 #14 #12 or #13 197 #15 MeSH descriptor: [Antidepressive Agents] explode all trees 4940 #16 #14 and #15 1 Central only 0	0	0
PsycINFO	6. PsycINFO; CLOSED ANGLE GLAUCOMA/; 0 results. 7. PsycINFO; exp ANTIDEPRESSANT AGENT/; 0 results. 8. PsycINFO; 6 AND 7; 0 results. 9. PsycINFO; (old* OR elder* OR senior* OR geriatric* OR aged OR aging OR ageing).ti,ab; 536390 results. 10. PsycINFO; 8 AND 9; 0 results. 11. PsycINFO; Glaucoma.ti,ab; 629 results. 12. PsycINFO; "closed angle glaucoma".ti,ab; 2 results. 13. PsycINFO; (Glaucoma adj2 "closed angle").ti,ab; 2 results. 14. PsycINFO; GLAUCOMA/; 286 results.	15	0

	15. PsycINFO; 11 OR 12 OR 13 OR 14; 641 results. 16. PsycINFO; exp ANTIDEPRESSANT DRUGS/; 32464 results. 17. PsycINFO; 15 AND 16; 15 results.		
Embase	1. EMBASE; CLOSED ANGLE GLAUCOMA/; 4271 results. 2. EMBASE; exp ANTIDEPRESSANT AGENT/; 306065 results. 3. EMBASE; 1 AND 2; 307 results. 4. EMBASE; (old* OR elder* OR senior* OR geriatric* OR aged OR aging OR ageing).ti,ab; 1887759 results. 5. EMBASE; 3 AND 4; 64 results.	64	0
Cinahl		0	0
Medline	6. MEDLINE; CLOSED ANGLE GLAUCOMA/; 2419 results. 7. MEDLINE; exp ANTIDEPRESSANT AGENT/; 0 results. 8. MEDLINE; 6 AND 7; 0 results. 9. MEDLINE; (old* OR elder* OR senior* OR geriatric* OR aged OR aging OR ageing).ti,ab; 1567792 results. 10. MEDLINE; 8 AND 9; 0 results. 11. MEDLINE; exp ANTIDEPRESSIVE AGENTS/; 125869 results. 12. MEDLINE; 6 AND 11; 27 results.	27	0
Summary	NA	NA	

Disclaimer

BEST in MH answers to clinical questions are for information purposes only. BEST in MH does not make recommendations. Individual health care providers are responsible for assessing the applicability of BEST in MH answers to their clinical practice. BEST in MH is not responsible or liable for, directly or indirectly, any form of damage resulting from the use/misuse of information contained in or implied by these documents. Links to other sites are provided for information purposes only. BEST in MH cannot accept responsibility for the content of linked sites.