

Best Evidence Summaries of Topics in Mental Healthcare

BEST in MH *clinical question-answering service*

Question

In adults with dementia and a very low body mass index (BMI e.g. <17), how effective are cholinesterase inhibitors, compared to any other intervention, in improving patient outcomes?

Clarification of question using *PICO* structure

Patients: Adults with dementia and a very low body mass index (BMI e.g. <17)

Intervention: Cholinesterase inhibitors

Comparator: Any other intervention

Outcome: Improving patient outcomes

Plain language summary

No high quality, relevant research evidence was identified.

Clinical and research implications

No high quality, relevant research evidence was identified.

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?

NICE guidelines do not comment on the use of cholinesterase inhibitors in individuals with dementia with a very low BMI.

Date question received: 14/07/2016

Date searches conducted: 01/08/2016

Date answer completed: 30/08/2016

Search details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>Guidelines</i>			
NICE	Dementia	2	0
MEDLINE	(donepezil OR galantamine OR rivastigmine OR tacrine OR memantine).ti,ab (cholinesterase ADJ inhibitor*).ti,ab (exelon OR reminyl OR Aricept OR E2020).ti,ab (ENA adj2 713).ti,ab ENA-713.ti,ab exp CHOLINESTERASE INHIBITORS/ 1 OR 2 OR 3 OR 4 OR 5 OR 6 dement*.ti,ab exp DEMENTIA/ 8 OR 9 exp THINNESS/ exp BODY WEIGHT/ OR exp WEIGHT LOSS/ (underweight OR under-weight OR (under adj2 weight)).af 11 OR 12 OR 13 7 AND 10 14 AND 15	25	
EMBASE	(donepezil OR galantamine OR rivastigmine OR tacrine OR memantine).ti,ab (cholinesterase ADJ inhibitor*).ti,ab (exelon OR reminyl OR Aricept OR E2020).ti,ab (ENA adj2 713).ti,ab ENA-713.ti,ab exp CHOLINESTERASE INHIBITORS/ 17 OR 18 OR 19 OR 20 OR 21 OR 22	652	

	<p>dement*.ti,ab exp DEMENTIA/ 24 OR 25 exp BODY WEIGHT/ exp WEIGHT/ exp UNDERWEIGHT/ exp BODY MASS/ (underweight OR under-weight OR (under adj2 weight)).af 27 OR 28 OR 29 OR 30 OR 31 23 AND 26 32 AND 33</p>		
PsycINFO/CINAHL	<p>(donepezil OR galantamine OR rivastigmine OR tacrine OR memantine).ti,ab (cholinesterase ADJ inhibitor*).ti,ab (exelon OR reminyl OR Aricept OR E2020).ti,ab (ENA adj2 713).ti,ab ENA-713.ti,ab exp CHOLINESTERASE INHIBITORS/ 35 OR 36 OR 37 OR 38 OR 39 OR 40 dement*.ti,ab exp DEMENTIA/ 42 OR 43 exp BODY WEIGHT/ OR exp UNDERWEIGHT/ (underweight OR under-weight OR (under adj2 weight)).af 45 OR 46 41 AND 44 47 AND 48</p>	4	
CENTRAL	<p>donepezil or galantamine or rivastigmine or tacrine or memantine cholinesterase inhibitor exelon or reminyl or Aricept or E2020 MeSH descriptor: [Cholinesterase Inhibitors] explode all trees #1 or #2 or #3 or #4</p>	45	

	dementia MeSH descriptor: [Dementia] explode all trees #6 or #7 #5 and #8 underweight or under-weight under weight MeSH descriptor: [Thinness] explode all trees #10 or #11 or #12 #9 and #13		
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