

# Best Evidence Summaries of Topics in Mental Healthcare

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

## Question

In adults with normal pressure hydrocephalus, how effective are acetylcholinesterase inhibitors, compared to any other intervention, in maintaining memory and reducing memory problems?

## Clarification of question using *PICO* structure

*Patients:* Adults with normal pressure hydrocephalus

*Intervention:* Acetylcholinesterase inhibitors

*Comparator:* Any other intervention

*Outcome:* Memory and reducing memory problems

## Plain language summary

No relevant, high quality research was identified.

**Clinical and research implications**

No relevant, high quality research 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 acetylcholinesterase inhibitors for hydrocephalus.

**Date question received:** 05/04/2016

**Date searches conducted:** 05/04/2016

**Date answer completed:** 05/05/2016

## Search details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>Guidelines</i>			
NICE	hydrocephalus	3	0
MEDLINE	<ol style="list-style-type: none"> <li>1 *Galantamine/tu [Therapeutic Use] (314)</li> <li>2 *Rivastigmine/tu [Therapeutic Use] (5)</li> <li>3 *Cholinesterase Inhibitors/tu [Therapeutic Use] (2240)</li> <li>4 (donepezil or E2020 or aricept).ab,ti. (2629)</li> <li>5 (galantamin or galanthamin).ab,ti. (16)</li> <li>6 reminyl.ab,ti. (59)</li> <li>7 rivastigmine.ab,ti. (1283)</li> <li>8 exelon.ab,ti. (69)</li> <li>9 ((ENA adj2 "713") or ENA-713).ab,ti. (42)</li> <li>10 cholinesterase\$.ab,ti. (16341)</li> <li>11 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 (19738)</li> <li>12 hydrocephalus.ab,ti. (20252)</li> <li>13 *Hydrocephalus, Normal Pressure/ or *Hydrocephalus/ (13145)</li> <li>14 12 or 13 (23432)</li> <li>15 11 and 14 (6)</li> </ol>	6	0
EMBASE	<ol style="list-style-type: none"> <li>1 cholinesterase/ or *cholinesterase inhibitor/ (24817)</li> <li>2 *donepezil/dt [Drug Therapy] (1687)</li> <li>3 *galantamine/ or *memantine/ (3791)</li> <li>4 *rivastigmine/dt [Drug Therapy] (967)</li> </ol>	16	0

	<p>5 \$cholinesterase\$.ti,ab. (19677)  6 (donepezil or E2020 or aricept).ti,ab. (3957)  7 (galantamin* or galanthamin*).ti,ab. (2370)  8 reminyl.ti,ab. (87)  9 rivastigmine.ti,ab. (1994)  10 exelon.ti,ab. (137)  11 ((ENA adj2 "713") or ENA-713).ti,ab. (55)  12 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 (38760)  13 hydrocephalus\$.ti,ab. (25976)  14 *hydrocephalus/dt, th [Drug Therapy, Therapy] (580)  15 13 or 14 (26076)  16 12 and 15 (16)</p>		
PsycINFO	<p>1 *Cholinesterase Inhibitors/ (1357)  2 *Galanthamine/ (218)  3 (donepezil or E2020 or aricept).ab,ti. (1302)  4 (galantamin or galanthamin).ab,ti. (4)  5 reminyl.ab,ti. (17)  6 rivastigmine.ab,ti. (604)  7 exelon.ab,ti. (28)  8 ((ENA adj2 "713") or ENA-713).ab,ti. (16)  9 \$cholinesterase\$.ab,ti. (2043)  10 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 (3636)  11 hydrocephalus\$.ab,ti. (1565)  12 exp *HYDROCEPHALUS/ (831)  13 11 or 12 (1638)  14 10 and 13 (5)</p>	5	0
CENTRAL	<p>#1 MeSH descriptor: [Cholinesterase Inhibitors] explode all trees 894  #2 MeSH descriptor: [Galantamine] explode all trees 157  #3 MeSH descriptor: [Rivastigmine] explode all trees 170</p>	34	0

#4	cholinesterase*	1571		
#5	donepezil or E2020 or aricept	1072		
#6	galantamin* or galanthamin*	478		
#7	reminyl	34		
#8	rivastigmine	551		
#9	exelon	73		
#10	(ENA adj2 713) or ENA-713	35		
#11	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10	2684		
#12	hydrocephalus	557		
#13	MeSH descriptor: [Hydrocephalus, Normal Pressure] explode all trees	34		
#14	#12 or #13	557		
#15	#11 and #14	34		

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