

Best Evidence Summaries of Topics in Mental Healthcare

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

Question:

“In older adults with chronic pain and depression how effective is Duloxetine compared to any other intervention in reducing depressive symptoms?”

Clarification of question using PICO structure

Patients: Older adults with chronic pain and depression
Intervention: Duloxetine
Comparator: Any comparison
Outcome: Any depressive outcomes

Clinical and research implications

No relevant high quality evidence was identified to enable clinical or research implications to be drawn.

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?

No NICE or SIGN guidelines were found that address this question.

Date question received: 23/04/2014

Date searches conducted: 25/04/2014

Date answer completed: 08/05/2014

Search Details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>SRs and Guidelines</i>			
NICE	Duloxetine AND pain AND depress*	19	0
DARE	(old*) IN DARE (elder*) IN DARE MeSH DESCRIPTOR Aged, 80 and over EXPLODE ALL TREES MeSH DESCRIPTOR Aged EXPLODE ALL TREES MeSH DESCRIPTOR Frail Elderly EXPLODE ALL TREES MeSH DESCRIPTOR Geriatric Psychiatry EXPLODE ALL TREES MeSH DESCRIPTOR Geriatrics EXPLODE ALL TREES (depress*) IN DARE MeSH DESCRIPTOR Depression EXPLODE ALL TREES MeSH DESCRIPTOR Depressive Disorder EXPLODE ALL TREES #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 #8 OR #9 OR #10 #11 AND #12 (pain) IN DARE MeSH DESCRIPTOR Chronic Pain EXPLODE ALL TREES MeSH DESCRIPTOR Pain EXPLODE ALL TREES #14 OR #15 OR #16 #13 AND #17	2413 793 2786 8202 73 7 40 1977 501 905 10309 2423 547 4099 111 2826 5436 58	0
<i>Primary studies</i>			
CENTRAL	#1 MeSH descriptor: [Depressive Disorder] explode all trees 7415 #2 depression 32731	2	0

	<p>#3 MeSH descriptor: [Chronic Pain] explode all trees 341</p> <p>#4 "chronic pain" 2699</p> <p>#5 #1 or #2 34037</p> <p>#6 #3 or #4 2699</p> <p>#7 #5 and #6 523</p> <p>#8 duloxetine 600</p> <p>#9 Cymbalta or Aricclaim or Xeristar or Yentreve or Duzela or Dulane 11</p> <p>#10 #8 or #9 601</p> <p>#11 #7 and #10 31</p> <p>Central only 2</p>		
PsycINFO	<p>1. PsycINFO; exp MAJOR DEPRESSION/; 91619 results.</p> <p>2. PsycINFO; "DEPRESSION (EMOTION)"/; 21474 results.</p> <p>3. PsycINFO; "depressive disorder".ti,ab; 14691 results.</p> <p>4. PsycINFO; depression.ti,ab; 167481 results.</p> <p>5. PsycINFO; 1 OR 2 OR 3 OR 4; 188921 results.</p> <p>6. PsycINFO; "chronic pain".ti,ab; 9667 results.</p> <p>7. PsycINFO; CHRONIC PAIN/; 9347 results.</p> <p>8. PsycINFO; 6 OR 7; 12460 results.</p> <p>9. PsycINFO; 5 AND 8; 2510 results.</p> <p>10. PsycINFO; (Cymbalta OR Aricclaim OR Xeristar OR Yentreve OR Duzela OR Dulane).ti,ab; 17 results.</p> <p>11. PsycINFO; duloxetine.ti,ab; 707 results.</p> <p>12. PsycINFO; 10 OR 11; 710 results.</p> <p>13. PsycINFO; 9 AND 12; 22 results.</p> <p>14. PsycINFO; CLINICAL TRIALS/; 7486 results.</p> <p>15. PsycINFO; random*.ti,ab; 128575 results.</p> <p>16. PsycINFO; groups.ti,ab; 364170 results.</p> <p>17. PsycINFO; (double adj3 blind).ti,ab; 17756 results.</p>	5	0

	<p>18. PsycINFO; (single adj3 blind).ti,ab; 1392 results.</p> <p>19. PsycINFO; EXPERIMENTAL DESIGN/; 9040 results.</p> <p>20. PsycINFO; controlled.ti,ab; 79979 results.</p> <p>21. PsycINFO; (clinical adj3 study).ti,ab; 7872 results.</p> <p>22. PsycINFO; trial.ti,ab; 67721 results.</p> <p>23. PsycINFO; "treatment outcome clinical trial".md; 26681 results.</p> <p>24. PsycINFO; 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20 OR 21 OR 22 OR 23; 563533 results.</p> <p>25. PsycINFO; 13 AND 24; 5 results.</p>		
Embase	<p>14. EMBASE; exp MAJOR DEPRESSION/; 35419 results.</p> <p>15. EMBASE; "DEPRESSION (EMOTION)"/; 0 results.</p> <p>16. EMBASE; "depressive disorder".ti,ab; 20097 results.</p> <p>17. EMBASE; depression.ti,ab; 266569 results.</p> <p>18. EMBASE; 14 OR 15 OR 16 OR 17; 281520 results.</p> <p>19. EMBASE; "chronic pain".ti,ab; 28615 results.</p> <p>20. EMBASE; CHRONIC PAIN/; 33187 results.</p> <p>21. EMBASE; 19 OR 20; 43199 results.</p> <p>22. EMBASE; 18 AND 21; 4703 results.</p> <p>23. EMBASE; (Cymbalta OR Aricclaim OR Xeristar OR Yentreve OR Duzela OR Dulane).ti,ab; 88 results.</p> <p>24. EMBASE; duloxetine.ti,ab; 2455 results.</p> <p>25. EMBASE; 23 OR 24; 2480 results.</p> <p>26. EMBASE; 22 AND 25; 85 results.</p> <p>27. EMBASE; DULOXETINE/; 6561 results.</p> <p>28. EMBASE; 25 OR 27; 6693 results.</p> <p>29. EMBASE; 22 AND 28; 191 results.</p> <p>30. EMBASE; random*.ti,ab; 861227 results.</p> <p>31. EMBASE; factorial*.ti,ab; 22463 results.</p>	36	0

	<p>32. EMBASE; (crossover* OR cross-over*).ti,ab; 67591 results.</p> <p>33. EMBASE; placebo*.ti,ab; 194687 results.</p> <p>34. EMBASE; (doubl* ADJ blind*).ti,ab; 138881 results.</p> <p>35. EMBASE; (singl* ADJ blind*).ti,ab; 14034 results.</p> <p>36. EMBASE; assign*.ti,ab; 233074 results.</p> <p>37. EMBASE; allocat*.ti,ab; 81424 results.</p> <p>38. EMBASE; volunteer*.ti,ab; 172583 results.</p> <p>39. EMBASE; CROSSOVER PROCEDURE/; 38578 results.</p> <p>40. EMBASE; DOUBLE BLIND PROCEDURE/; 112709 results.</p> <p>41. EMBASE; RANDOMIZED CONTROLLED TRIAL/; 339988 results.</p> <p>42. EMBASE; SINGLE BLIND PROCEDURE/; 18122 results.</p> <p>43. EMBASE; 30 OR 31 OR 32 OR 33 OR 34 OR 35 OR 36 OR 37 OR 38 OR 39 OR 40 OR 41 OR 42; 1377920 results.</p> <p>44. EMBASE; 29 AND 43; 36 results.</p>		
Medline	<p>14. MEDLINE; exp MAJOR DEPRESSION/; 0 results.</p> <p>15. MEDLINE; "DEPRESSION (EMOTION)"/; 74831 results.</p> <p>16. MEDLINE; "depressive disorder".ti,ab; 15330 results.</p> <p>17. MEDLINE; depression.ti,ab; 215167 results.</p> <p>18. MEDLINE; 14 OR 15 OR 16 OR 17; 248673 results.</p> <p>19. MEDLINE; "chronic pain".ti,ab; 20434 results.</p> <p>20. MEDLINE; CHRONIC PAIN/; 3058 results.</p> <p>21. MEDLINE; 19 OR 20; 21911 results.</p> <p>22. MEDLINE; 18 AND 21; 2898 results.</p> <p>23. MEDLINE; (Cymbalta OR Aricclaim OR Xeristar OR Yentreve OR Duzela OR Dulane).ti,ab; 40 results.</p> <p>24. MEDLINE; duloxetine.ti,ab; 1485 results.</p> <p>25. MEDLINE; 23 OR 24; 1492 results.</p> <p>26. MEDLINE; 22 AND 25; 35 results.</p> <p>27. MEDLINE; DEPRESSION/; 74831 results.</p>	32	0

	<p>28. MEDLINE; 15 OR 16 OR 17 OR 27; 248673 results.</p> <p>29. MEDLINE; 21 AND 28; 2898 results.</p> <p>30. MEDLINE; DEPRESSIVE DISORDER, MAJOR/; 18565 results.</p> <p>31. MEDLINE; 28 OR 30; 251797 results.</p> <p>32. MEDLINE; 21 AND 31; 2908 results.</p> <p>33. MEDLINE; 25 AND 32; 35 results.</p> <p>34. MEDLINE; "randomized controlled trial".pt; 371092 results.</p> <p>35. MEDLINE; "controlled clinical trial".pt; 88180 results.</p> <p>36. MEDLINE; randomized.ab; 291132 results.</p> <p>37. MEDLINE; placebo.ab; 153074 results.</p> <p>38. MEDLINE; "drug therapy".fs; 1689011 results.</p> <p>39. MEDLINE; randomly.ab; 211120 results.</p> <p>40. MEDLINE; trial.ab; 302248 results.</p> <p>41. MEDLINE; groups.ab; 1345072 results.</p> <p>42. MEDLINE; 34 OR 35 OR 36 OR 37 OR 38 OR 39 OR 40 OR 41; 3316218 results.</p> <p>43. MEDLINE; 33 AND 42; 32 results.</p>		
Summary	NA	NA	

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