

Best Evidence Summaries of Topics in Mental Healthcare

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

Question

In patients with a history of extra-axial haemorrhage, is it safe to prescribe an SSRI? (Is there a time period post-haemorrhage when SSRIs can safely be prescribed?)

Clarification of question using the *PRO* structure

Patients: Adults prescribed with SSRI(s)
Risk factor: History of extra-axial haemorrhage
Outcome: Any health indicator

Clinical and research implications

No relevant systematic reviews, randomised controlled trials, cohort or case-controlled studies could be found for this question.

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 Searching of Scottish Intercollegiate Guidelines Network (SIGN) guidelines comment on the risk of prescribing SSRI medication following extra-axial haemorrhage.

Date question received: 11/03/2015

Date searches conducted: 20/03/2015

Date answer completed: 31/03/2015

Search details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>SRs and Guidelines</i>			
NICE	SSRI	33	0
DARE	1 (Epidural h?ematoma) IN DARE 8 Delete 2 (Extradural h?ematoma) IN DARE 0 Delete 3 (Epidural h?emorr?ag*) IN DARE 0 Delete 4 (Epidural h?emorr?ag*) IN DARE 0 Delete 5 (subdural h?ematoma) IN DARE 15 Delete 6 (subdural h?emorr?age) IN DARE 0 Delete 7 (Extra?axial h?ematoma) IN DARE 0 Delete 8 (Extra?axial h?emorr?age) IN DARE 0 Delete 9 MeSH DESCRIPTOR Subarachnoid Hemorrhage EXPLODE ALL TREES 95 Delete 10 MeSH DESCRIPTOR Subarachnoid Hemorrhage, Traumatic EXPLODE ALL TREES 1 Delete 11 MeSH DESCRIPTOR Intracranial Hemorrhages IN DARE 37 Delete 12 MeSH DESCRIPTOR Intracranial Aneurysm EXPLODE ALL TREES 113 Delete 13 MeSH DESCRIPTOR Rupture, Spontaneous IN DARE 7 Delete 14 #12 AND #13 1 Delete 15 MeSH DESCRIPTOR Aneurysm, Ruptured EXPLODE ALL TREES 97 Delete 16 MeSH DESCRIPTOR Brain EXPLODE ALL TREES 194 Delete 17 MeSH DESCRIPTOR Meninges EXPLODE ALL TREES 21 Delete 18 #16 OR #17 215 Delete 19 #15 AND #18 0 Delete 20 ((subarachnoid or arachnoid) adj6 (haemorrhage* or hemorrhage* or bleed* or blood*)) IN DARE 100 Delete 21 MeSH DESCRIPTOR Vasospasm, Intracranial EXPLODE ALL TREES 23 Delete 22 ((cerebral or intracranial or cerebrovascular) adj6 (vasospasm or spasm)) IN DARE 15 Delete	1	0

	23 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #14 OR #19 OR #20 OR #21 OR #22 198 Delete 24 MeSH DESCRIPTOR Serotonin Uptake Inhibitors EXPLODE ALL TREES IN DARE 238 Delete 25 MeSH DESCRIPTOR Amoxapine EXPLODE ALL TREES 0 Delete 26 MeSH DESCRIPTOR Citalopram EXPLODE ALL TREES 55 Delete 27 MeSH DESCRIPTOR Clomipramine EXPLODE ALL TREES 9 Delete 28 MeSH DESCRIPTOR Fenfluramine EXPLODE ALL TREES 5 Delete 29 MeSH DESCRIPTOR Fluoxetine EXPLODE ALL TREES 52 Delete 30 MeSH DESCRIPTOR Fluvoxamine EXPLODE ALL TREES 17 Delete 31 MeSH DESCRIPTOR Norfenfluramine EXPLODE ALL TREES 0 Delete 32 MeSH DESCRIPTOR Paroxetine EXPLODE ALL TREES 42 Delete 33 MeSH DESCRIPTOR Sertraline EXPLODE ALL TREES 31 Delete 34 MeSH DESCRIPTOR Trazodone EXPLODE ALL TREES 4 Delete 35 MeSH DESCRIPTOR Zimeldine EXPLODE ALL TREES 0 Delete 36 (serotonin adj5 inhibitor*) IN DARE 344 Delete 37 (amoxapine or citalopram or clomipramine or fenfluramine or fluoxetine or fluvoxamine or norfenfluramine or paroxetine) IN DARE 330 Delete 38 (sertraline or trazodone or zimeldine) IN DARE 170 Delete 39 (SSRI*) IN DARE 179 Delete 40 (5-hydroxytryptamine adj5 inhibitor*) IN DARE 0 Delete 41 (5-ht adj5 inhibitor*) IN DARE 0 Delete 42 #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 629 Delete 43 #23 AND #42 1 Delete		
Primary studies			
CENTRAL	1 MeSH descriptor: [Cerebral Hemorrhage] explode all trees 692 #2 MeSH descriptor: [Intracranial Hemorrhages] explode all trees 1374 #3 MeSH descriptor: [Intracranial Aneurysm] explode all trees 392 #4 "extra-axial hemorrhage" 0 #5 MeSH descriptor: [Serotonin Uptake Inhibitors] explode all trees 2402	2	0

	#6 SSRI 1208 #7 CITALOPRAM or FLUOXETINE or ESCITALOPRAM or Fluvoxamine or Paroxetine or Sertraline or prozac 7811 #8 #1 or #2 or #3 1559 #9 #5 or #6 or #7 8708 #10 #8 and #9 3 Central only 2		
PsycINFO	38. PsycINFO; exp SUBARACHNOID HEMORRHAGE/; 435 results. 39. PsycINFO; HEMATOMA, EPIDURAL, CRANIAL/; 0 results. 40. PsycINFO; HEMATOMA, SUBDURAL/; 0 results. 41. PsycINFO; "Extra-axial hemorrhage".ti,ab; 2 results. 42. PsycINFO; 38 OR 39 OR 40 OR 41; 437 results. 43. PsycINFO; SEROTONIN UPTAKE INHIBITORS/; 0 results. 44. PsycINFO; SSRI.ti,ab; 3015 results. 45. PsycINFO; CITALOPRAM/ OR FLUOXETINE/; 4361 results. 46. PsycINFO; ESCITALOPRAM.ti,ab; 1010 results. 47. PsycINFO; Fluvoxamine.ti,ab; 1447 results. 48. PsycINFO; Paroxetine.ti,ab; 2863 results. 49. PsycINFO; Sertraline.ti,ab; 2276 results. 50. PsycINFO; prozac.ti,ab; 261 results. 51. PsycINFO; 43 OR 44 OR 45 OR 46 OR 47 OR 48 OR 49 OR 50; 12010 results. 52. PsycINFO; 42 AND 51; 1 results. 53. PsycINFO; exp CEREBRAL HEMORRHAGE/; 1332 results. 54. PsycINFO; 42 OR 53; 1688 results. 55. PsycINFO; 51 AND 54; 4 results. 56. PsycINFO; exp SEROTONIN REUPTAKE INHIBITORS/; 10786 results. 57. PsycINFO; 51 OR 56; 14731 results. 58. PsycINFO; 54 AND 57; 4 results.	4	0
Embase	20. EMBASE; exp SUBARACHNOID HEMORRHAGE/; 29753 results. 21. EMBASE; HEMATOMA, EPIDURAL, CRANIAL/; 4915 results.	357	0

	22. EMBASE; HEMATOMA, SUBDURAL/; 10493 results. 23. EMBASE; "Extra-axial hemorrhage".ti,ab; 21 results. 24. EMBASE; 20 OR 21 OR 22 OR 23; 42621 results. 25. EMBASE; SEROTONIN UPTAKE INHIBITORS/; 38834 results. 26. EMBASE; SSRI.ti,ab; 7163 results. 27. EMBASE; CITALOPRAM/ OR FLUOXETINE/; 46795 results. 28. EMBASE; ESCITALOPRAM.ti,ab; 2603 results. 29. EMBASE; Fluvoxamine.ti,ab; 2929 results. 30. EMBASE; Paroxetine.ti,ab; 6214 results. 31. EMBASE; Sertraline.ti,ab; 4668 results. 32. EMBASE; prozac.ti,ab; 491 results. 33. EMBASE; 25 OR 26 OR 27 OR 28 OR 29 OR 30 OR 31 OR 32; 78122 results. 34. EMBASE; 24 AND 33; 109 results. 35. EMBASE; exp CEREBRAL HEMORRHAGE/; 90661 results. 36. EMBASE; 24 OR 35; 102182 results. 37. EMBASE; 33 AND 36; 357 results.		
Medline	1. MEDLINE; exp SUBARACHNOID HEMORRHAGE/; 16882 results. 3. MEDLINE; HEMATOMA, EPIDURAL, CRANIAL/; 3105 results. 4. MEDLINE; HEMATOMA, SUBDURAL/; 6077 results. 5. MEDLINE; "Extra-axial hemorrhage".ti,ab; 11 results. 6. MEDLINE; 1 OR 3 OR 4 OR 5; 24840 results. 7. MEDLINE; SEROTONIN UPTAKE INHIBITORS/; 16244 results. 8. MEDLINE; SSRI.ti,ab; 4500 results. 9. MEDLINE; CITALOPRAM/ OR FLUOXETINE/; 11117 results. 10. MEDLINE; ESCITALOPRAM.ti,ab; 1508 results. 11. MEDLINE; Fluvoxamine.ti,ab; 2291 results. 12. MEDLINE; Paroxetine.ti,ab; 4612 results. 13. MEDLINE; Sertraline.ti,ab; 3318 results. 14. MEDLINE; prozac.ti,ab; 362 results. 15. MEDLINE; 7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13 OR 14; 28417 results.	28	0

	16. MEDLINE; 6 AND 15; 6 results. 17. MEDLINE; exp CEREBRAL HEMORRHAGE/; 28186 results. 18. MEDLINE; 6 OR 17; 51035 results. 19. MEDLINE; 15 AND 18; 28 results.		
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