

The antidepressant impact of minocycline in rodents: A systematic review and meta-analysis

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PubMed Search Algorithm

Step	Search Term
1	Rat* or mouse* or mice* or murine or rodent
2	Minocycline* or Minocin*
3	1 and 2
4	Depression or Depressed or dep* or depressive-like or depression-like
5	Antidepressant or Antidepressant-like
6	Antibiotic
7	mental health*
8	Psycholo* and stress
9	4 or 5 or 6 or 7 or 8
10	3 and 9

Variable Dictionary for Supplementary Data

Variable	Description
study	Study number
author	Author name
year	Year of publication
tx_dur	Duration of minocycline treatment in days
tx_dose	Minocycline treatment dose in billions of milligrams per kilogram
tx_n	Sample size of treatment group
c_n	Sample size of control group
hedges	Standardized mean difference between treatment and control group (Hedge's g) – Negative value = greater depression reduction in treatment group
se	Standard error of standardized mean difference
paradigm	Behavioral paradigm
measure	Specific paradigm measure to assess for depressive-like behavior
rodent	Rodent species employed – mouse or rat
disease	Animal model of disease (0 = no, 1 = yes)
dis_pre	Minocycline treatment prior to disease induction (0 = no, 1 = yes; note – 0 for both dis_pre and dis_tre = healthy animal)
dis_tre	Minocycline treatment following disease induction (0 = no, 1 = yes; note – 0 for both dis_pre and dis_tre = healthy animal)

Supplementary Figure S1

