

CADTH Reference List

Bupropion in Patients With Sexual Dysfunction Associated With Other Antidepressant Therapy

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Authors: Deba Hafizi, Jennifer Horton

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Key Message

- No relevant evidence-based guidelines were identified regarding adding on or switching to bupropion in patients with sexual dysfunction associated with antidepressant therapy.

Research Question

What are the evidence-based guidelines regarding adding on or switching to bupropion in patients with sexual dysfunction associated with antidepressant therapy?

Methods

Literature Search Methods

A limited literature search was conducted by an information specialist on key resources including MEDLINE, Embase, PsycINFO, the Cochrane Database of Systematic Reviews, the international HTA database, the websites of Canadian and major international health technology agencies, as well as a focused internet search. The search strategy comprised both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords. The main search concepts were bupropion and sexual dysfunction. No filters were applied to limit the retrieval by study type. Where possible, retrieval was limited to the human population. The search was also limited to English-language documents published between January 1, 2011 and April 13, 2021. Internet links were provided, where available.

Selection Criteria and Summary Methods

One reviewer screened literature search results (titles and abstracts) and selected publications according to the inclusion criteria presented in Table 1. Full texts of study publications were not reviewed. The Overall Summary of Findings was based on information available in the abstracts of selected publications. Open-access full-text versions of evidence-based guidelines were reviewed when abstracts were not available and relevant recommendations were summarized.

Results

No relevant references were identified for this report.

References of potential interest that did not meet the inclusion criteria are provided in Appendix 1.

Table 1: Selection Criteria

Criteria	Description
Population	Adults with major depressive disorder, persistent depressive disorder, or treatment-resistant depression, with or without comorbid conditions, experiencing sexual dysfunction associated with antidepressant therapy and who are currently treated with an antidepressant drug (single ingredient or combination) other than bupropion
Intervention	Bupropion, as a single ingredient, as a primary therapy or adjunct to other pharmaceutical therapy, all formulations and all routes of administration
Comparator	Not applicable
Outcomes	Recommendations on adding on or switching to bupropion treatment (e.g., patient characteristics, clinical features, other circumstances)
Study designs	Evidence-based guidelines

Overall Summary of Findings

No relevant literature was found regarding adding on or switching to bupropion in patients with sexual dysfunction associated with antidepressant therapy; therefore, no summary can be provided.

References

Guidelines and Recommendations

No literature identified.

Appendix 1: References of Potential Interest

Clinical Practice Guidelines

Population Unclear

1. Kennedy SH, Lam RW, McIntyre RS, et al. Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder: Section 3. Pharmacological Treatments. *Can J Psychiatry*. 2016 Sep;61(9):540-60. [PubMed](#)
See: 3.8. What is the comparative tolerability of second-generation antidepressants?; 3.19. How do you choose between switching to another antidepressant and adding an adjunctive agent? page 553.

Methodology Not Specified

2. The role of medicines in the management of depression in primary care. Dunedin (NZ): bpacnz; 2017: <https://bpac.org.nz/2017/depression.aspx> Accessed 22 Apr 2021.
3. Trangle M, Gursky J, Haight R, et al. Adult Depression in Primary Care. Bloomington (MN): Institute for Clinical Systems Improvement; 2016: <https://www.icsi.org/wp-content/uploads/2019/01/Depr.pdf> Accessed 22 Apr 2021.

Review Articles

4. Jing E, Straw-Wilson K. Sexual dysfunction in selective serotonin reuptake inhibitors (SSRIs) and potential solutions: A narrative literature review. *Ment Health Clin*. 2016;6(4):191–196. <https://meridian.allenpress.com/mhc/article/6/4/191/128003/Sexual-dysfunction-in-selective-serotonin-reuptake> Accessed 22 Apr 2021. [PubMed](#)
5. Clayton AH, El Haddad S, Ilionakhamhe JP, Ponce Martinez C, Schuck AE. Sexual dysfunction associated with major depressive disorder and antidepressant treatment. *Expert Opin Drug Saf*. 2014 Oct;13(10):1361-1374. [PubMed](#)
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7. Moreira R. The efficacy and tolerability of bupropion in the treatment of major depressive disorder. *Clin Drug Investig*. 2011 Oct 19;31 Suppl 1:5-17. [PubMed](#)