

Appendix 1

Method

Eligibility criteria

No limit placed on type of study or participants.

Information sources

Medline, Embase and PsycINFO electronic databases searched via the Ovid search platform. Searches limited to English publications between 2000 and 2017. A PreMedline search was performed to identify unindexed, recent English articles from January 2016 to April 2017. An additional search for grey literature was performed.

Search

The following search terms were used: at least one of the five following disorders- DDS; disruptive, impulse control, and conduct disorders; hedonistic homeostatic dysregulation; factitious disorders and levodopa addiction was combined with the presence of one of the four following factors - antiparkinson agents; dopamine agents; levodopa or non-Parkinson. We included levodopa addiction so that DDS in non-PD patients were captured. An example of the search strategy used for Medline is included below.

1 Dopamine Dysregulation Syndrome.mp.

2 "Disruptive, Impulse Control, and Conduct Disorders"/

3 hedonistic homeostatic dysregulation.mp.

4 Factitious Disorders/

5 levodopa addiction.mp.

6 1 or 2 or 3 or 4 or 5

7 Antiparkinson Agents/ae, tu [Adverse Effects, Therapeutic Use]

8 Dopamine Agents/ae [Adverse Effects]

9 Levodopa/ae, tu [Adverse Effects, Therapeutic Use]

10 non-parkinson*.mp.

11 7 or 8 or 9 or 10

12 6 and 11

13 limit 12 to (English language and yr="2000 -Current")

The Premedline search was a keyword search and the terms used were dopamine dysregulation or impulse control combined with Parkinson.

Relevant references from pertinent articles were included and abstracts sought.

Study selection

One of the authors reviewed all titles and abstracts. The full text publications were reviewed based on relevance to the psychiatric population in question.