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BPSD IN COVID-19

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DISCLOSURE

The relationship are summarized below:

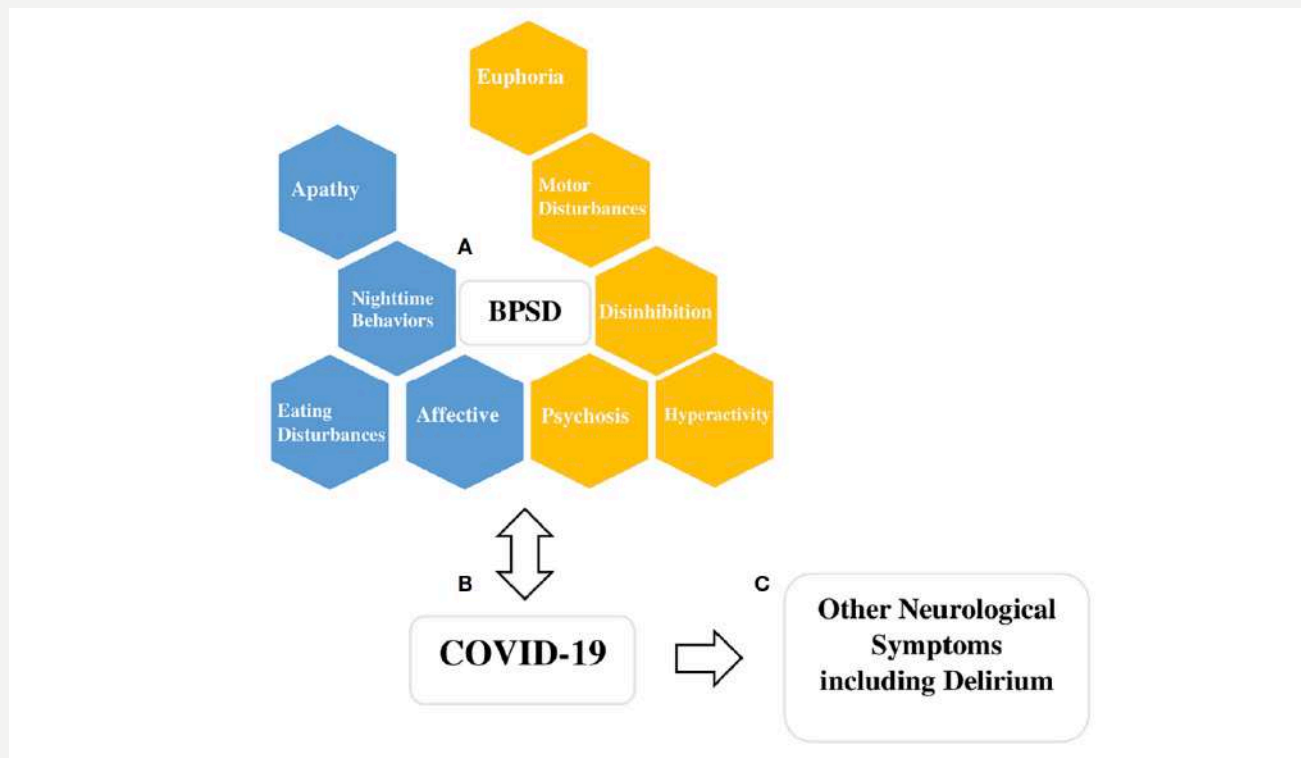
Interest	Name of organization
Consultancy fee	None
Speaker fee	None
Research fee	None

- I do not hold any share in, not have any ongoing financial relationship, any pharmaceutical or biomedical company

OUTLINES

- BPSD changes in COVID-19
- Non-pharmacological approaches
- Pharmacological intervention

COVID-19 DEMENTIA





Behavioral and Psychological Effects of Coronavirus Disease-19 Quarantine in Patients With Dementia

- A total of 4,913 caregivers participated in the survey
- Increased BPSD was reported in 59.6% of patients.
- worsening of preexisting symptoms (51.9%)
- New onset (26%)
- requested drug modifications in 27.6% of these cases.

OVERVIEW OF SYMPTOM CHANGE

- Anxiety and depression were associated with a diagnosis of AD (OR 1.35, CI: 1.12– 1.62), mild to moderate disease severity and female gender.
- DLB was significantly associated with a higher risk of worsening hallucinations (OR 5.29, CI 3.66– 7.64) and sleep disorder (OR 1.69, CI 1.25– 2.29).
- FTD with wandering (OR 1.62, CI 1.12– 2.35), and change of appetite (OR 1.52, CI 1.03– 2.25).

■ 0 symptoms ■ 1 symptom ■ 2 symptoms ■ 3+ symptoms

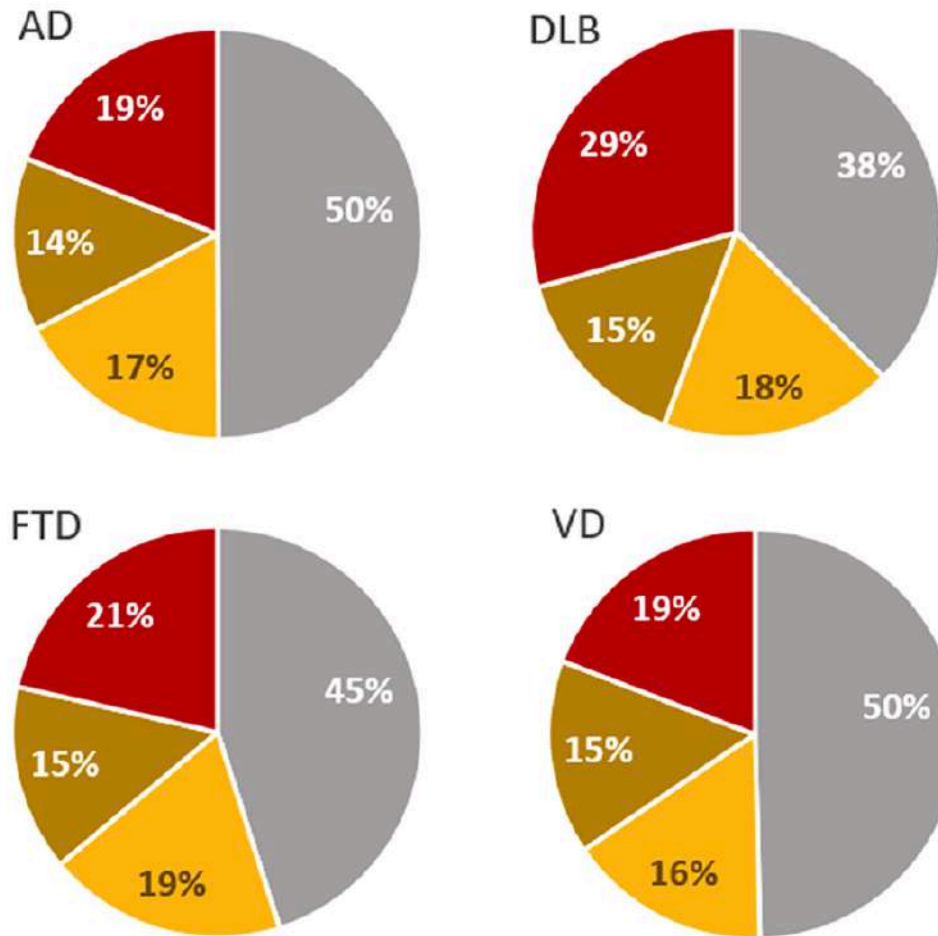


FIGURE 1 | Distribution of classes of behavioral and psychological symptoms (BPSD) burden defined as number of neuropsychiatric symptoms during quarantine divided by disease type.

FREQUENCY OF BEHAVIORAL AND PSYCHOLOGICAL SYMPTOMS

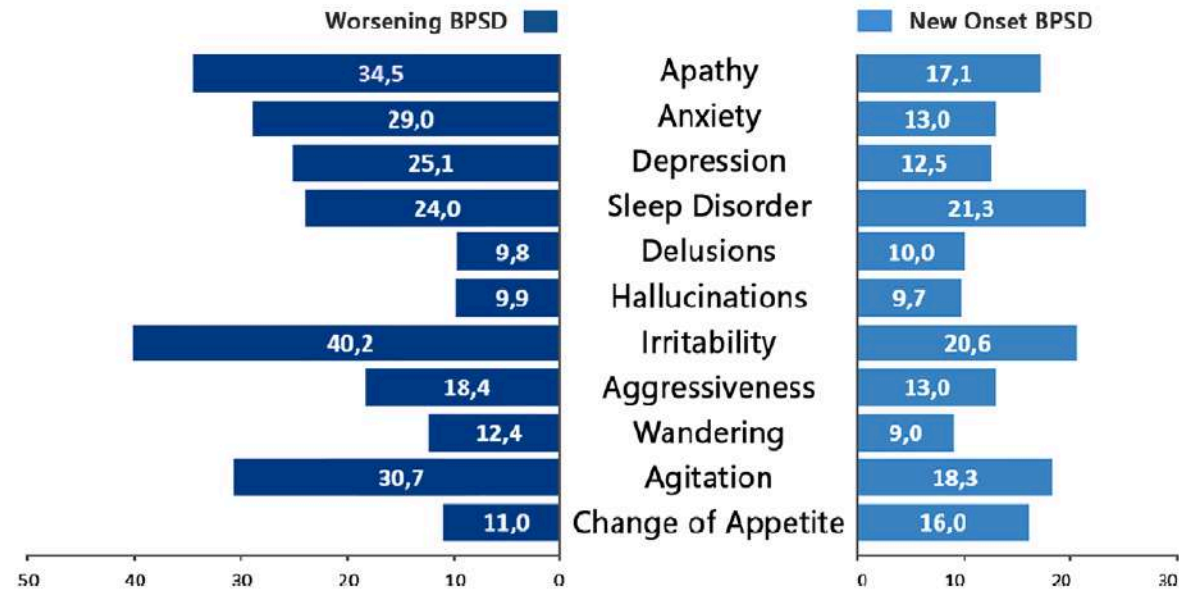


FIGURE 2 | Frequency of behavioral and psychological symptoms (BPSD) worsened (dark blue) and newly ongoing (light blue) in the sample of patients with BPSD changes (worsened and/or new onset, n = 2,929).

BPSD CHANGES

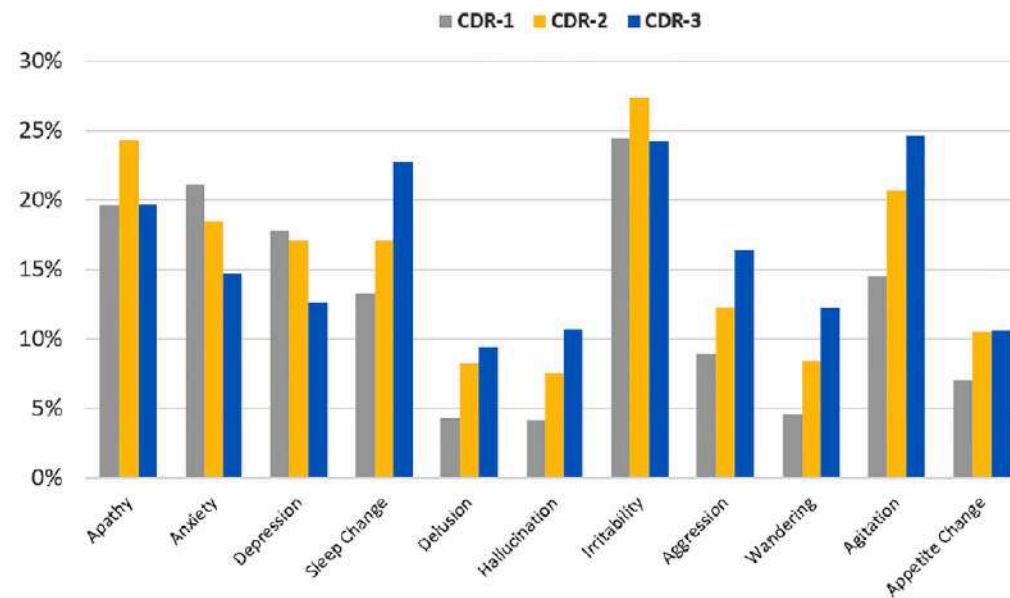


FIGURE 3 | Frequency of neuropsychiatric symptoms in patients with behavioral and psychological symptoms (BPSD) changes (worsened and/or new onset, n=2,929) divided by disease severity defined by Clinical Dementia Rating scale (CDR): mild: CDR-1 gray bar; moderate: CDR-2 orange bar and severe: CDR-3 blue bar.

BPSD IN DIFFERENT DISEASE TYPE

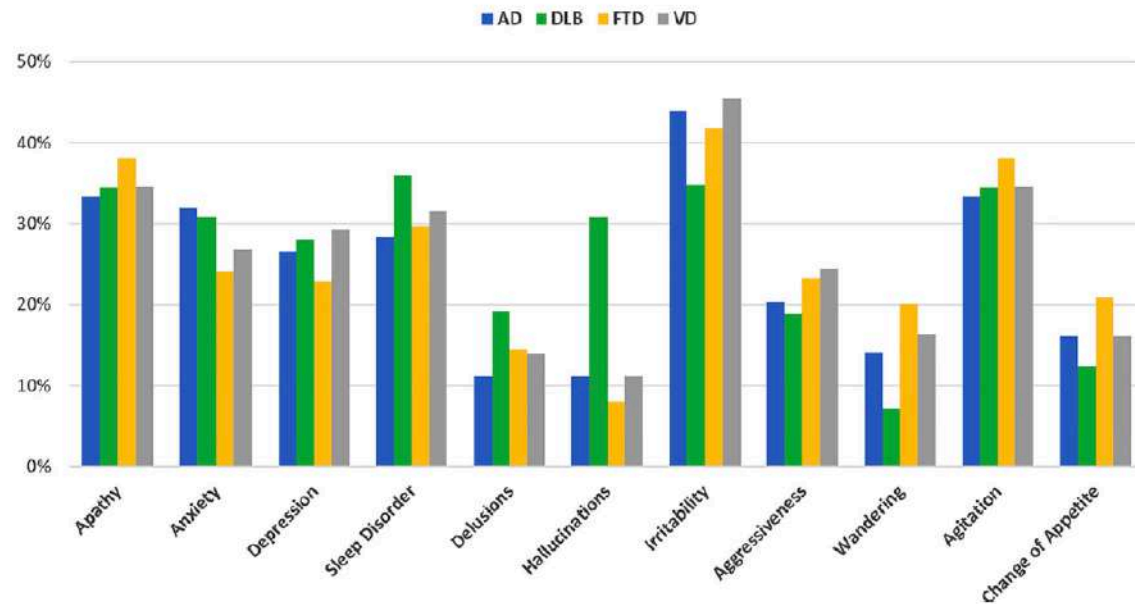


FIGURE 5 | Frequency of neuropsychiatric symptoms in patients with behavioral and psychological symptoms (BPSD) changes (worsened and/or new onset, n=2,929) divided by disease type (blue bar AD, green DLB, yellow FTD, gray VD).

GENDER DIFFERENCE

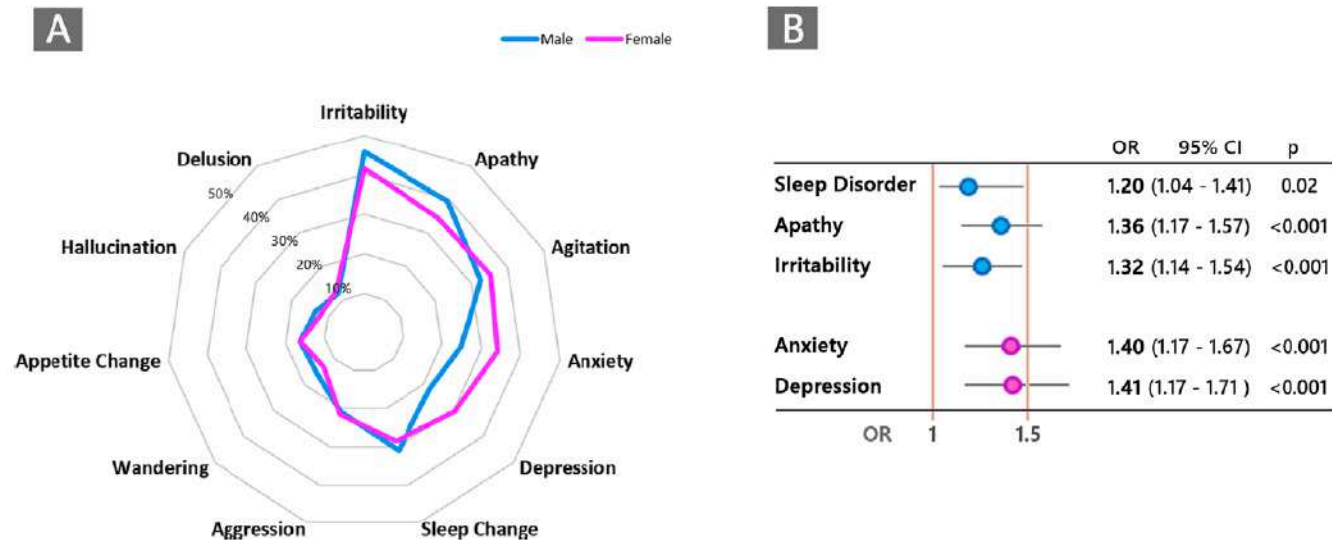


FIGURE 7 | (A) Graphical representation of frequency distribution of neuropsychiatric symptoms according to male (blue) and female (violet) gender in patients with behavioral and psychological symptoms (BPSD) changes (worsened and/or new onset, n=2,929). **(B)** Type of neuropsychiatric symptoms significantly associated with male gender (blue color) and female gender (violet) in the entire population of patients with dementia.

KEY POINTS

1

Detection of depression in neurodegenerative disease is facilitated by using both valid rating scales and clinical acumen.

2

Management of depression requires clinicians to consider several factors including patient preferences, illness severity (like suicidality), and comorbidities (both medical and psychiatric).

3

First-line therapy should include nonpharmacologic treatment (e.g., CBT) if possible.

4

While additional PD and dementia-specific evidence on pharmacologic therapy of depression is needed,



What's your choice?

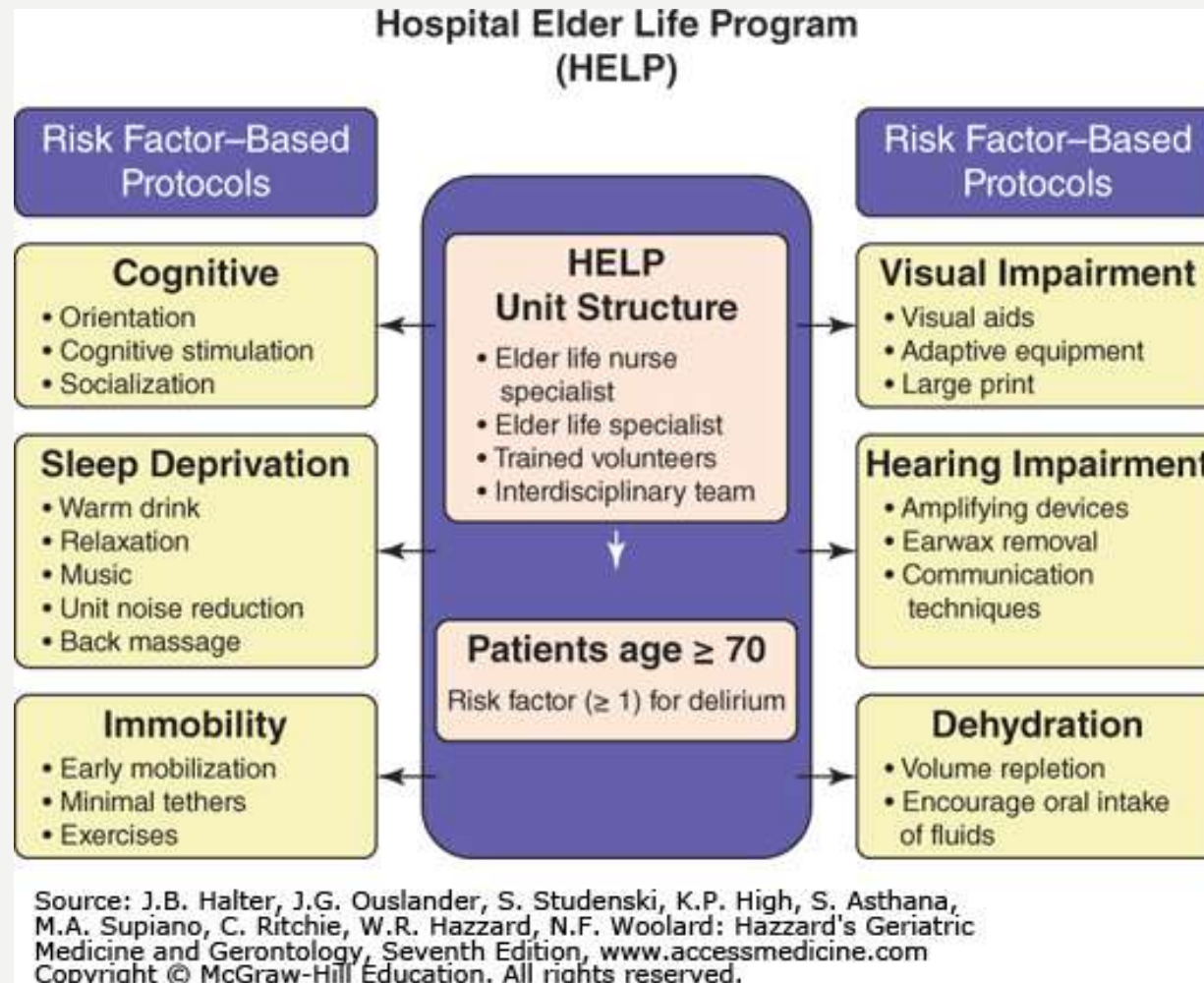
- In most cases, tailored nonpharmacologic treatment strategies should be considered first- line.(A)

Goodarzi Z, Mele B, Guo S, et al. Guidelines for dementia or Parkinson's disease with depression or anxiety: a systematic review. BMC Neurol 2016;16:244.

NON-PHARMACOLOGICAL

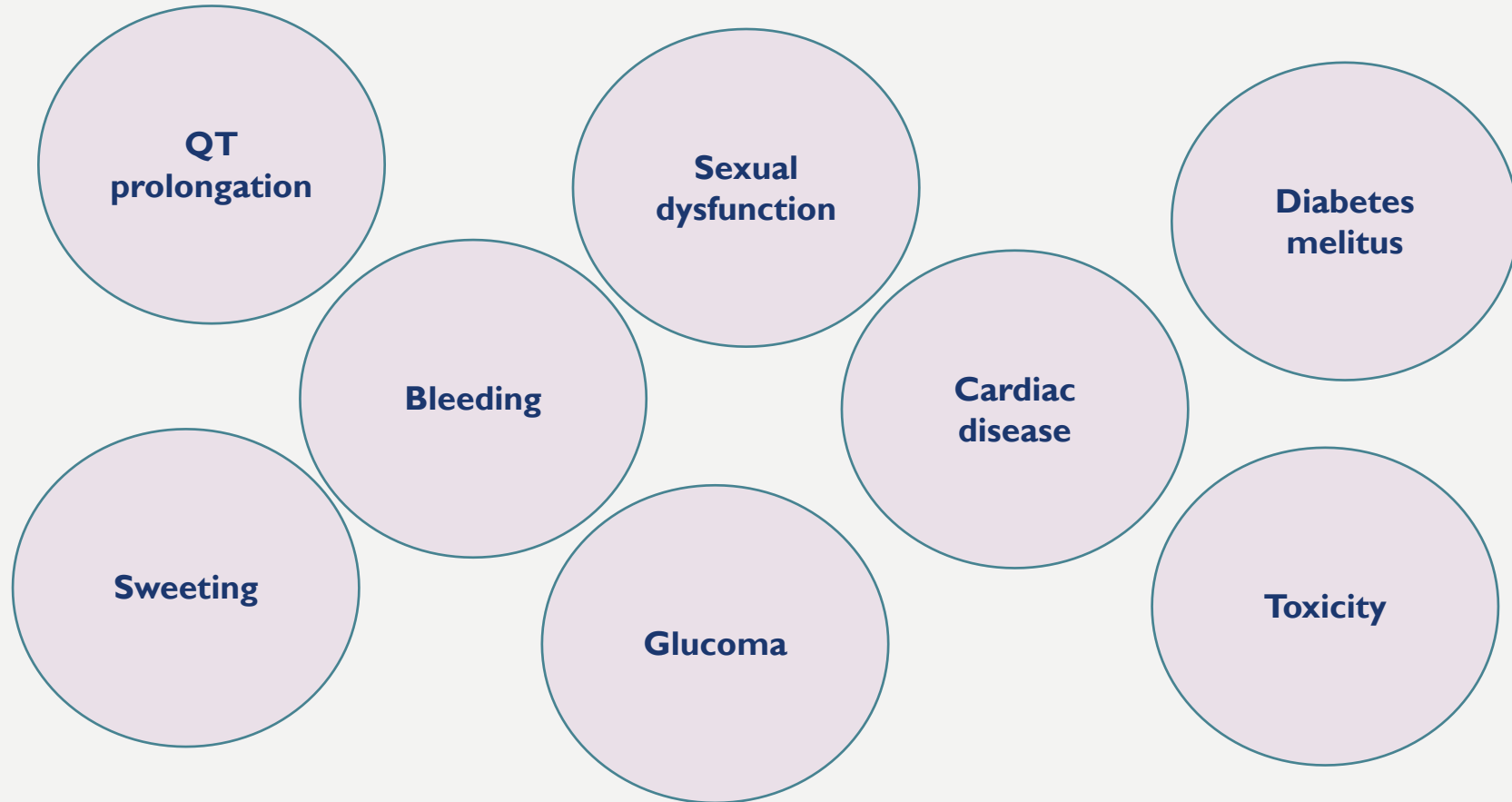
- Home
- Education
- Support

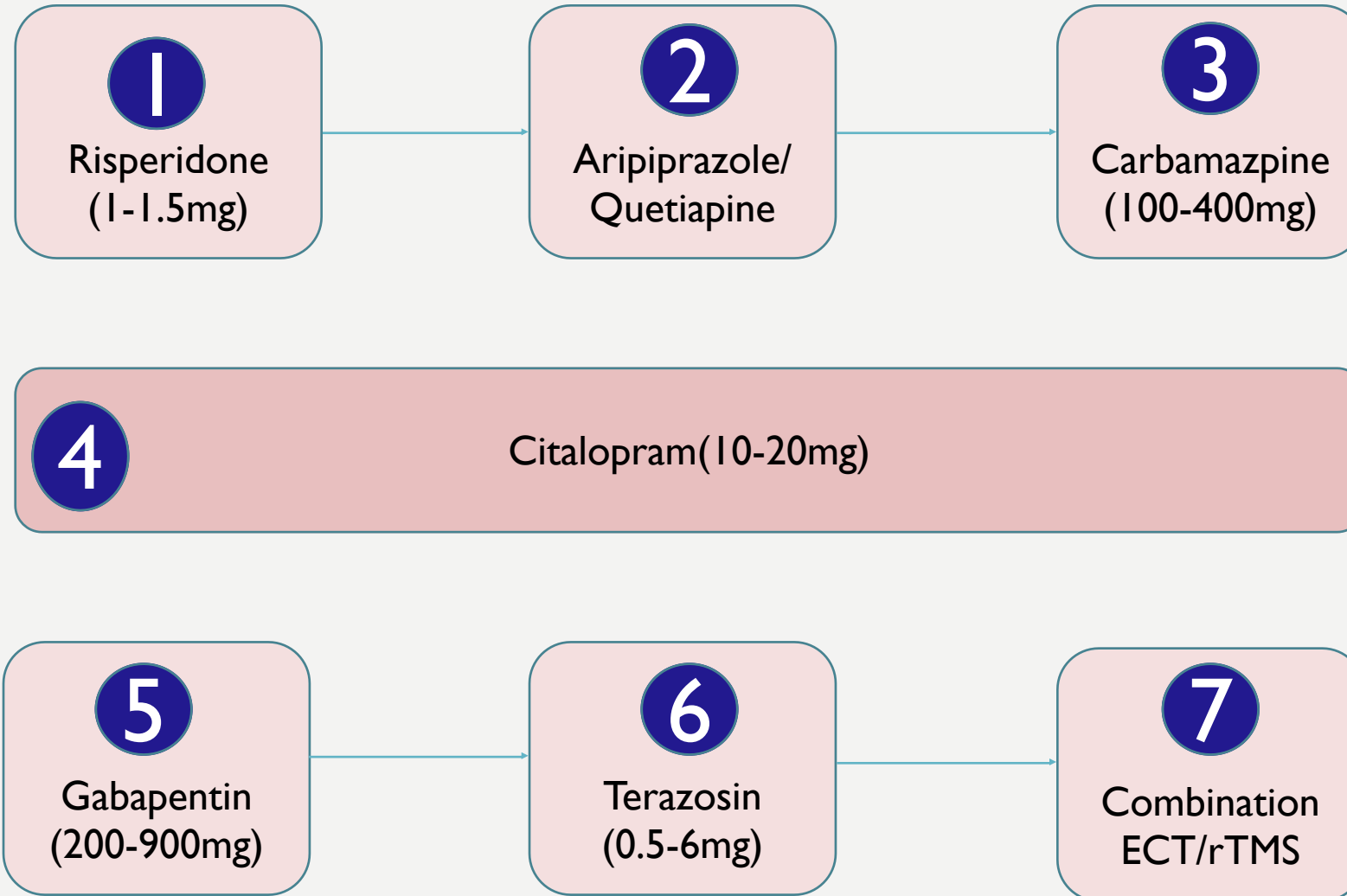
Stress-related symptoms were experienced by two-thirds of caregivers and were associated with increased patients' neuropsychiatric burden ($p < 0.0001$).



(A)

COMORBIDITY SELECTION





Davis et al, Journal of Psychopharmacology 2018, Vol. 32(5) 509– 523)

