Medication Algorithm for the Treatment of Major Depressive Disorder

Discuss psychotherapy options initially and at any point during treatment SSRI, SNRI, bupropion or mirtazapine No response or an intolerance to medication Partial response Response or remission **Continuation therapy** Maximize dose if the patient can tolerate Assess psycho-social circumstances. for 4-9 months side effects. Re-assess the diagnosis. (It may take 4-8 weeks at an effective dose to work.) Assess patient adherence. Switch to another Response or remission first-line agent Response or **Next-step options:** Assess the need for No response remission Partial maintenance therapy Switch to another first-line agent response in patients at risk for Augment first-line agent with Assess psycho-social recurrence. another medication. See Drug circumstances. **Augmentation for Treatment-**Assess patient adherence. resistant Depression Refer to guidelines for Maintenance therapy Consider referral to a specialist. treatment-resistant for 12-36 months depression. Consider referral to a specialist. **Table 1. Considerations for Table 2. Considerations for** selecting the initial agent: choosing next-step options: Any first-line agent that was not Patient preference Keep in mind shared decisiontried above. Nature of prior response to making principles throughout medication this process. Consider second and third-line The relative efficacy and ▶ The use of multiple medications options (tricyclic antidepressants has the highest potential for effectiveness (TCAs), Monoamine oxidase inhibitors Safety, tolerability and side-effects. (MAOIs), Also, consider transcranial anticipated side effects Patients may be reluctant to try

See supplemental information for more details and justifications of the algorithm.

Co-occurring psychiatric or

Potential drug interactions

Half-life

Cost

general medical conditions

switching agents in fear of losing

even a partial response.

strategy is not as strong as

switching or augmentation.Refer to guidelines for treatment-

Evidence for combination

resistant depression.

magnetic stimulation (TMS), deep brain

stimulation (DBS) or electroconvulsive

therapy (ECT).

Supplemental information

- The algorithm is intended for the treatment of mild to moderately severe major depression (PHQ-9 <20) with the absence of psychotic features.</p>
- Psychotherapy (cognitive behavior therapy (CBT), interpersonal therapy (IPT) has been shown to have similar efficacy to pharmacotherapy. It is reasonable to recommend psychotherapy at any stage in treatment.
- Psychotherapy in combination with pharmacotherapy is more effective than either monotherapy with psychotherapy or pharmacotherapy.
- Recommended first-Line agents: Selective serotonin reuptake inhibitors (SSRIs), serotonin norepinephrine reuptake inhibitors (SNRIs), bupropion, mirtazapine (see table of <u>first-line agents for individual characteristics</u>)
- SSRIs are generally prescribed first due to their safety and tolerability. However, guidelines do not make a strong recommendation for any first-line agent over another.
- Guidelines do not make a recommendation for any single agent within a class of medication. Agent selection is based on criteria shown in Table 1.
- ▶ Non-response to one SSRI does not predict non-response to an alternate SSRI.
- Second-generation antipsychotics with FDA approval as adjuncts: Aripiprazole, Brexiprazole, Quetiapine,
 Olanzapine in combination with fluoxetine. (risperidone with evidence to support off-label use)
- ▶ Four to eight weeks are needed before the patient and provider can conclude that a patient is partially responsive or unresponsive to a specific intervention.
- Duration of the acute phase treatment is 6-12 weeks
- Maintenance therapy is recommended for patients who have had three or more prior episodes of major depressive disorder (MDD). Consider maintenance therapy in patients that have high-risk factors for recurrence.

High risk factors for recurrence:

- A persistence of subthreshold depressive symptoms.
- ▶ Prior history of multiple episodes of major depressive disorder.
- ▶ The severity of initial and any subsequent episodes.
- Earlier age at onset.
- The presence of an additional nonaffective psychiatric diagnosis, psychiatric illness, particularly mood disorder.
- ▶ The presence of a chronic general medical disorder.
- ▶ A family history of psychiatric illness, particularly mood disorder.
- Ongoing psychosocial stressors or impairment.
- Negative cognitive style.
- Persistent sleep disturbances.

End notes:

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