



# Algorithm D

## Inattention, Hyperactivity, Impulsivity

### D.1.

Patient presents with any of the following concerns expressed by parent, caregiver, teacher, or social service worker:

- **Inattention** – Child gets bored easily, lacks concentration, is easily distracted.
- **Hyperactivity** – Child always seems to be in motion, fidgety or restless.
- **Impulsivity** – Child often speaks and acts without thinking first, finds it difficult to wait.

### D.2. EVALUATE

#### PATIENT/FAMILY INTERVIEW

- Review 18 ADHD symptoms in DSM criteria.
- History of symptoms:
  - Duration, severity, frequency
  - Age of onset
  - Circumstances and settings of occurrences
- Mental health and educational history.
- Adverse childhood experiences or trauma.
- Perinatal, medical, and developmental histories.
- Family history, structure, functioning, social interaction.

#### PHYSICAL/DEVELOPMENTAL ASSESSMENT

- Hearing or vision problems.
- Sleep difficulties (e.g., obstructive sleep apnea).
- Learning problems or disabilities.
- Developmental problems.
- Language impairment or disorder.
- Assess function, vocabulary, thought processes.
- Physical Illness.
- Laboratory and/or neurological exams if warranted by medical history.
- Toxin exposure and other general medical conditions (e.g., epilepsy, hyperthyroidism, cardiac disorders).

## D.3. VALIDATE DIAGNOSTIC IMPRESSION

### ADHD SYMPTOM VALIDATION

- Complete Vanderbilt ADHD Rating Scales with:
  - Parent (*See Parent Scale*)
  - School (*See Teacher Scale*)
- Obtain academic records and administrative reports.

### CONSIDER OTHER CONDITIONS

- Identify potentially confounding signs/symptoms.
- Depression, irritability, and mood dysregulation. (See tool kit section: *Moodiness and Irritability*.)
- Agitation, aggression, and disruptive behaviors. (See tool kit section: *Disruptive Behavior and Aggression*.)
- Anxiety
- Substance Abuse.
- Cognitive impairment.
- Medical tests as indicated (e.g., blood tests, EKG).
- Psycho-educational testing if learning disorder suspected.

**D.4.**

Patient meets DSM criteria for ADHD?  
(See *ADHD Treatment Guide*.)

**NO**

**D.5.**

Other condition?

**YES**

**D.6.**

Exit this guideline.  
Evaluate or refer, as appropriate.

**YES**

**D.7.**

Co-existing conditions?

**YES**

**D.9.**

Is ADHD the primary focus of treatment?

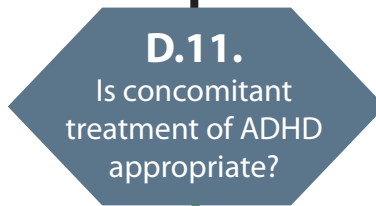
**NO**

**D.10.**

- Address primary focus.
- Assess impact of coexisting conditions on treatment.
- Evaluate or refer as needed.

**D.8.**

Consider offering parent management training and behavioral management strategies.



**NO** →



**YES** ↓

**D.13. OBTAIN BASELINE ASSESSMENT**

- Check height, weight, and BMI.
- Check pulse and blood pressure.
- Assess and note any pre-treatment tics.
- Assess for cardiac risk factors (e.g., structural heart disease, syncope, family history of early cardiac death or arrhythmia).

**YES** →

**NO** →



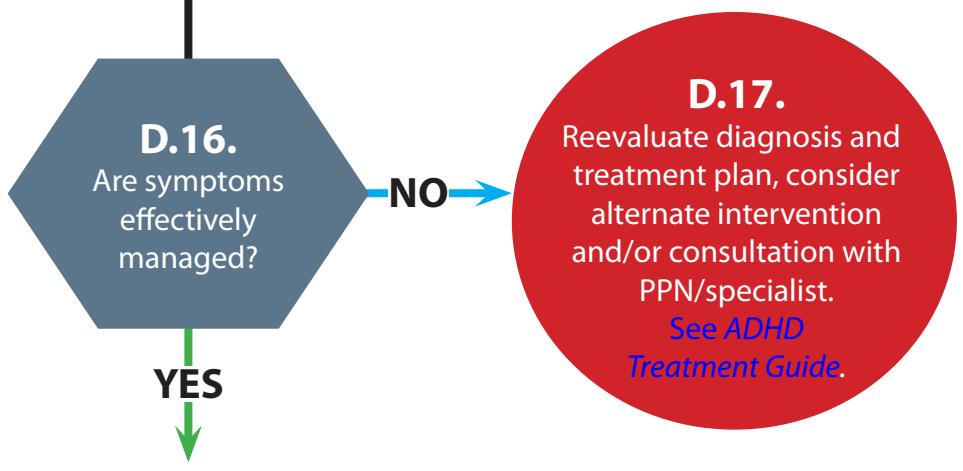
**D.14. CONSUMER/PARENT ENGAGEMENT AND CONSENT**

- Utilize motivational interviewing, technological & media education, parental self-education, and parent support groups to engage parents & consumers in educational process.
- Include topics of ADHD medications, evidence-based therapies, and school intervention.

*See Shared Decision-Making Process.*

**D.15. SELECT TREATMENT REGIMEN(S)**

<p><b>OPTION: MEDICATION</b></p> <ul style="list-style-type: none"><li>● Stimulants are most commonly used to treat ADHD.</li><li>● When appropriate, long-acting stimulants are preferred.</li><li>● Extra caution recommended for preschoolers.</li><li>● See <i>ADHD Treatment Guide</i>.</li></ul>	<p><b>OPTION: EVIDENCED-BASED THERAPIES</b></p> <ul style="list-style-type: none"><li>● Consider parent training as first line treatment for preschoolers.</li><li>● See <i>ADHD Treatment Guide</i>.</li></ul>	<p><b>OPTION: SCHOOL INTERVENTIONS</b></p> <ul style="list-style-type: none"><li>● See <i>ADHD tool kit section: School &amp; Community Agencies</i>.</li></ul>
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**D.18. PATIENT MONITORING**

**FREQUENCY OF MONITORING**

- At least monthly for new patients, and in circumstances where dose or medication is changed, until effective and stable, tolerated medication dosage is reached.
- At least every 3 months for stable patients.

**EVALUATE SIDE EFFECTS**

- Check height, weight, and BMI.
- Check pulse and blood pressure.
- Discuss side effects with patient/caregiver.

**MEASURE OUTCOMES**

**Evaluate Duration**

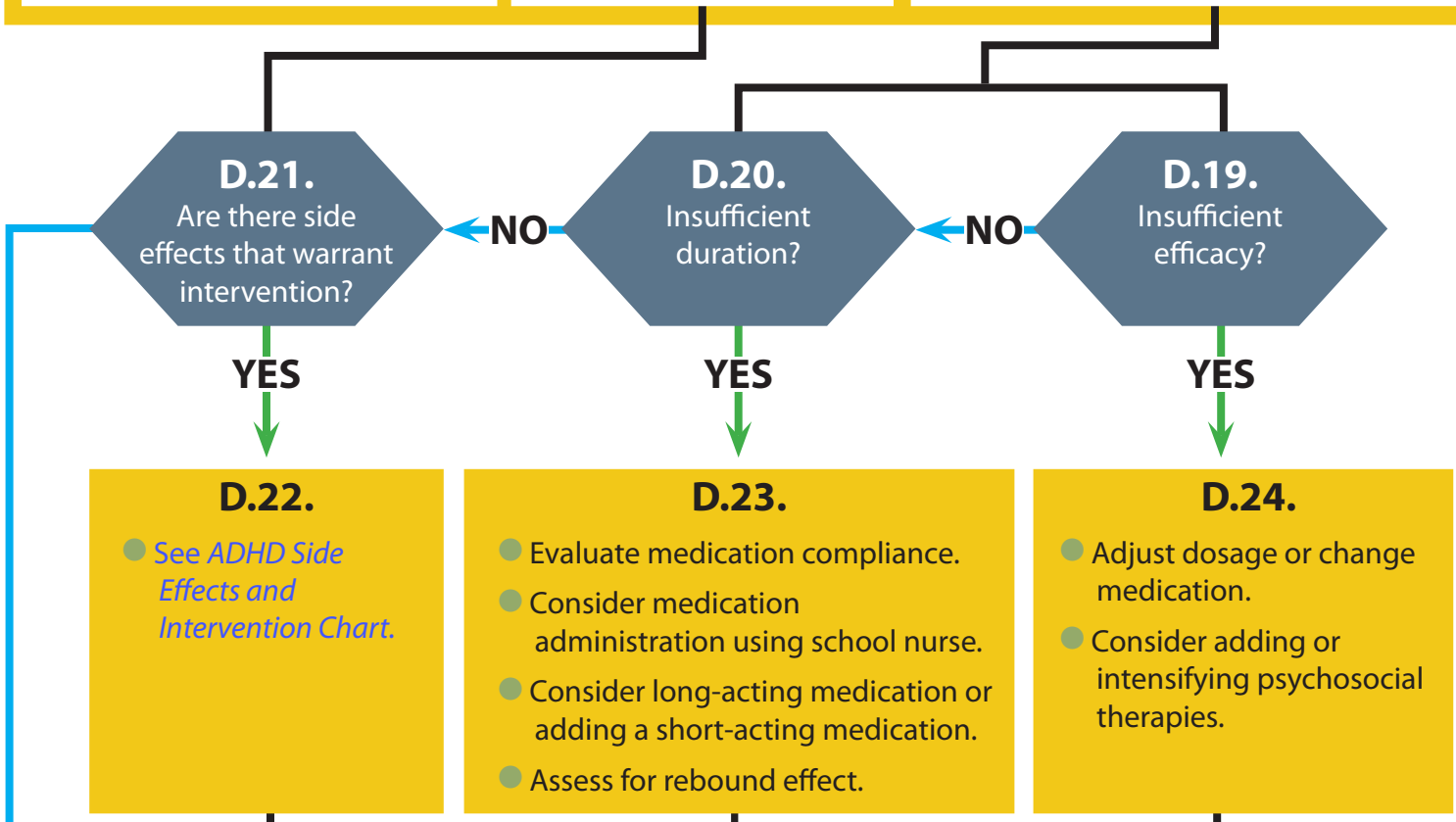
- *Duration of Medication Chart.*

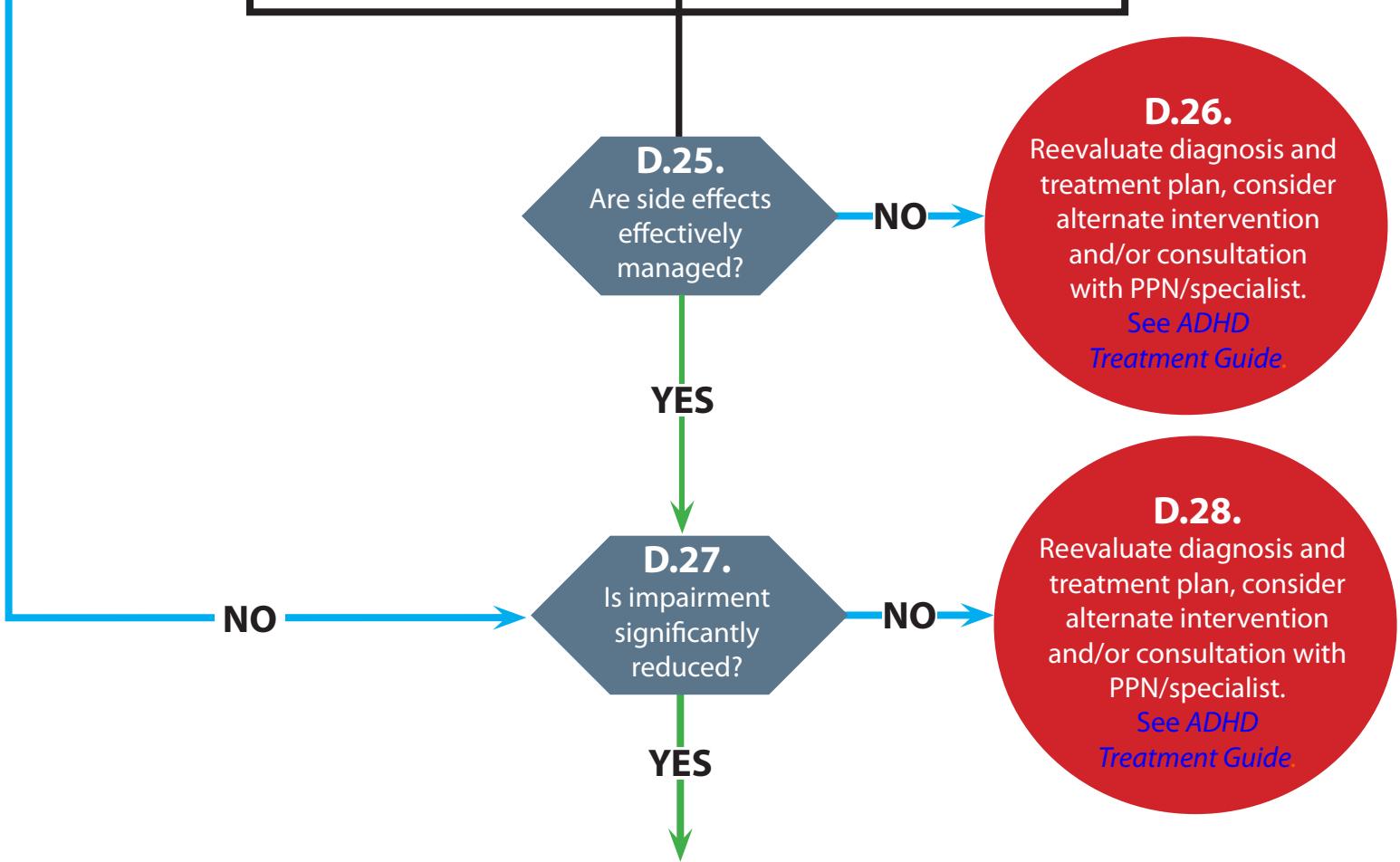
**Evaluate Efficacy**

- Vanderbilt ADHD Rating Scales – *Parent, Teacher & Follow Up.*

**Target Outcomes** (any or all of following)

- At least 25% reduction in total symptom score.
- And/or child no longer meets DSM criteria.
- And/or child no longer meets inattention and/or hyperactivity/impulsivity scale on Vanderbilt.





## D.29. ONGOING MONITORING

- After initial session of parent training (typically 3-6 months), consider psychosocial interventions to address comorbidities.
- Every year, conduct complete diagnostic assessment.
- Every year consider a 1-2 week medication holiday during a selected, strategic time (perhaps summer holiday) to re-assess need for medication.
- Coordinate care provided by medical home and specialists, parents/ caregiver, and school (e.g., psychosocial, exercise, nutrition or environmental adjustments).

