

## 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.*)

YES

NO

### D.5.

Other condition?

YES

NO

### D.6.

Exit this guideline. Evaluate or refer, as appropriate.

### D.7.

Co-existing conditions?

YES

NO

### D.8.

Consider offering parent management training and behavioral management strategies.

### D.9.

Is ADHD the primary focus of treatment?

YES

NO

### D.10.

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

### D.11.

Is concomitant treatment of ADHD appropriate?

YES

NO

### D.12.

Treat primary focus and ongoing assessment and monitoring.

### 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).

### 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)

#### OPTION: MEDICATION

- Stimulants are most commonly used to treat ADHD.
- When appropriate, long-acting stimulants are preferred.
- Extra caution recommended for preschoolers.
- See *ADHD Treatment Guide.*

#### OPTION: EVIDENCED-BASED THERAPIES

- Consider parent training as first line treatment for preschoolers.
- See *ADHD Treatment Guide.*

#### OPTION: SCHOOL INTERVENTIONS

- See *ADHD tool kit section: School & Community Agencies.*

### D.16.

Are symptoms effectively managed?

YES

NO

### D.17.

Reevaluate diagnosis and treatment plan, consider alternate intervention and/or consultation with PPN/specialist. See *ADHD Treatment Guide.*

### 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 ADHD Medications*ž
- Evaluate Efficacy**
  - Vanderbilt ADHD Rating Scales – *Parent, Teacher & Follow Up*ž
- 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.19.

Insufficient efficacy?

YES

NO

### D.20.

Insufficient duration?

YES

NO

### D.21.

Are there side effects that warrant intervention?

YES

NO

### D.22.

- See *ADHD Side Effects and Intervention Chart.*

### D.23.

- Evaluate medication compliance.
- Consider medication administration using school nurse.
- Consider long-acting medication or adding a short-acting medication.
- Assess for rebound effect.

### D.24.

- Adjust dosage or change medication.
- Consider adding or intensifying psychosocial therapies.

### D.25.

Are side effects effectively managed?

YES

NO

### D.26.

Reevaluate diagnosis and treatment plan, consider alternate intervention and/or consultation with PPN/specialist. See *ADHD Treatment Guide.*

### D.27.

Is impairment significantly reduced?

YES

NO

### D.28.

Reevaluate diagnosis and treatment plan, consider alternate intervention and/or consultation with PPN/specialist. See *ADHD Treatment Guide.*

### 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.
- Caregiver and school (e.g., psychosocial, exercise, nutrition or environmental adjustments).

#### LEGEND

