### Stimulant Medications for Treatment of ADHD

#### Short-Acting Preparations

<table>
<thead>
<tr>
<th>Methylphenidate</th>
<th>Amphetamine</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Methylin Solution &lt;sup&gt;G&lt;/sup&gt;</td>
<td>● ProCentra &lt;sup&gt;G&lt;/sup&gt;</td>
</tr>
<tr>
<td>● Quillivant XR</td>
<td>● Dyanavel XR</td>
</tr>
<tr>
<td>● Adzenys ER</td>
<td>● Vyvanse (when dissolved in water)</td>
</tr>
</tbody>
</table>

**Advantages:** easy to swallow, easy to make small dose adjustments, especially when first starting treatment, different flavors

**Disadvantages:** long-acting preparations are available as brand only

#### Long-Acting Preparations

<table>
<thead>
<tr>
<th>Methylphenidate</th>
<th>Amphetamine</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Cotempla XR-ODT</td>
<td>● Adzenys XR-ODT</td>
</tr>
<tr>
<td>● Focalin XR &lt;sup&gt;G&lt;/sup&gt;</td>
<td>● Metadate CD &lt;sup&gt;G&lt;/sup&gt;</td>
</tr>
<tr>
<td>● Ritalin LA &lt;sup&gt;G&lt;/sup&gt;</td>
<td>● Aptsensio XR</td>
</tr>
<tr>
<td>● Adderall XR &lt;sup&gt;G&lt;/sup&gt;</td>
<td>● Dexedrine Spansule &lt;sup&gt;G, O-L&lt;/sup&gt;</td>
</tr>
<tr>
<td>● Vyvanse &lt;sup&gt;O-L&lt;/sup&gt;</td>
<td>● Mydayis</td>
</tr>
</tbody>
</table>

**Advantages:** dissolves quickly, no liquid is needed to take the tablet, does not need to be swallowed whole

**Disadvantages:** some patients may not want to place medicine under their tongue

#### Liquids

- [Methylin Solution](#) <sup>G</sup>
- [ProCentra](#) <sup>G</sup>
- [Quillivant XR](#)
- [Dyanavel XR](#)
- [Adzenys ER](#)
- [Vyvanse](#) (when dissolved in water)

**Advantages:**
- easy to swallow
- easy to make small dose adjustments, especially when first starting treatment
- different flavors

**Disadvantages:**
- long-acting preparations are available as brand only

#### Chewable

- [Methylin Chewable](#) <sup>G</sup>
- [QuilliChew ER](#)
- [Vyvanse Chewable](#)

**Advantages:** different flavors

**Disadvantages:**
- long-acting preparations are available as brand only

#### Oral Disintegrating Tablets

- [Cotempla XR-ODT](#)
- [Adzenys XR-ODT](#)

**Advantages:**
- dissolves quickly
- no liquid is needed to take the tablet
- does not need to be swallowed whole

**Disadvantages:**
- some patients may not want to place medicine under their tongue

#### Sprinkles

- [Focalin XR](#) <sup>G</sup>
- [Metadate CD](#) <sup>G</sup>
- [Ritalin LA](#) <sup>G</sup>
- [Aptsensio XR](#)
- [Adderall XR](#) <sup>G</sup>
- [Dexedrine Spansule](#) <sup>G, O-L</sup>
- [Vyvanse](#) <sup>O-L</sup>
- [Mydayis](#)

**Advantages:**
- capsules can be opened and medication “sprinkled” on food, most are available as a generic

**Disadvantages:**
- some patients have oral texture sensitivity to the “micro beads” (note: Vyvanse is a powder, not beads)

#### Transdermal Patch

- [Daytrana](#) <sup>O-L</sup>

**Advantages:**
- applied directly to skin
- patch can be cut to optimize dose (off label)
- patch can be kept on beyond 9 hours (off label)

**Disadvantages:**
- takes longer to start working
- rash is not uncommon

#### Crushable

- [Ritalin](#) <sup>G, O-L</sup>
- [Focalin](#) <sup>G, O-L</sup>
- [Adderall](#) <sup>G, O-L</sup>
- [Evekeo](#) <sup>O-L</sup>
- [QuilliChew ER](#) <sup>O-L</sup>

**Advantages:**
- may be “hidden” within food

**Disadvantages:**
- not flavored; possibly bitter if not “hidden” within food

#### Caplet

- [Concerta](#) <sup>G</sup>

**Advantages:**
- available in a wide range of doses, different strengths can be combined to optimize medication dose

**Disadvantages:**
- must be swallowed whole

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<sup>G</sup>: Generic formulation available  
<sup>O-L</sup>: “Off-label” (likely safe and effective, but not FDA approved for administration in this manner)

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