

Medication Options

In Developmental Disorders

Memory

Increase Acetylcholine (if not corrected with attention)

- | | | |
|----------------------------------------------------------------|-------|----------------|
| 1. PhosChol 900 (phosphatidylcholine)
(or lecithin 1200 mg) | 2-4/d | } 30 d, nausea |
| 2. Aricept - 5 or 10 mg | 1/d | |
| 3. Exelon - 1.5, 3.0, 4.5, 6 mg | 2/d | |
| 4. Reminyl - 4, 8, 12 mg | 2/d | |

NMDA receptor agonist

- | | | |
|-----------------------|-------|--------|
| 1. Namenda - 5, 10 mg | 1-2/d | } 30 d |
|-----------------------|-------|--------|

Broad Cognitive Enhancement (non-psychostimulants)

- | | | |
|-----------------------------------|----------|---------------------|
| 1. Piracetam (Nootropil) - 800 mg | 3-6/d | } 10-30d, ↑ talking |
| 2. Ergoloid (Hydergine) - 1 mg | 1 or 2/d | |

Medication Options

In Developmental Disorders

Attention = Increase Dopamine

1. Psychostimulants

Pemoline: Cylert

Methylphenidate: Ritalin - Concerta - Methylin - Metadate

Amphetamine: Dexedrine - Adderall - Desoxyn

} see chart

2. Psychotropics (antidepressants)

Wellbutrin - 100, 150, 200 mg SR; 150, 300 mg XL 1-2/d

Prozac

Zoloft

} see SSRIs

} 15-60 d

3. Provigil (modafinil) - 100, 200 mg 1/2 -2/d

4. Strattera (atomoxetine) - 10, 18, 25, 40, 60 mg 1/d

} 7-15 d

Medication Options

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Anti-Obsessionals (serotonin increase)

1. Prozac - 10, 20 mg; liquid	1/d	}	15-60d	GI HA ↑ sweats ± ↑ weight ± ↓ sex
- 90 mg	1/w			
2. Zoloft - 25, 50, 100 mg; liquid	1/d			
3. Luvox - 25, 50, 100 mg	2/d			
4. Paxil- 10, 20, 30, 40 mg; liquid	1/d			
- 12.5, 25, 37.5 mg CR	1/d			
5. Celexa - 20, 40 mg	1/d			
6. Lexapro - 10, 20 mg; liquid	1/d			
7. Anafranil - 25, 50, 75 mg	1 or 2/d			

Medication Options

In Developmental Disorders

Anti-Anxiety (-obsessional, -aggression, -tics)

1. Atypical neuroleptics

**Risperdal - .25, .5, 1, 2, 3, 4 mg tab
- liquid; .5, 1, 2 mg M tab**

Seroquel - 25, 100, 200, 300 mg

**Zyprexa - 2.5, 5, 10, 15, 20 mg
- 5, 10 mg Disintetab**

Geodon - 20, 40, 60, 80 mg; liquid

Abilify – 5,10,15, 20, 30 mg

1-3d

**↑ appetite
drowsiness
--
nausea**

Psychostimulants

In Developmental Disorders

Trade (generic) Name	Dose/Form ¹	Effect Duration	Time for Effect	Side Effects ²
Cylert (pemoline)*	18.75, 37.5, 75 mg; chewable	6-8 hrs	3-4 days	<ul style="list-style-type: none"> - Aggression - Anxiety - Obsessive/ compulsive behavior - Tics - ↓ Appetite, weight - ↓ Sleep
Ritalin	5, 10, 20 mg tabs, 20 mg SR 10, 20, 30, 40 mg LA	3-4 hrs 6-8 hrs ³ 6-8 hrs	1 hour	
Focalin (dextro)	2.5, 5, 10 mg tabs	4-6 hrs	1 hour	
Concerta	18, 27, 36, 54 mg tabs	6-10 hrs	1 hour	
Methylin	5, 10, 20 mg; 10, 20 mg ER	3-4 or 6-8 hrs		
Metadate (methylphenidate)	10, 20, 30 mg CD	6-8 hrs		

1 - Any medication can be specially formulated into any size, liquid or spansule

2 - Except liver dysfunction, most can be "blocked"

3 - Often erratic blood levels during the day

*Possible liver dysfunction

Psychostimulants

In Developmental Disorders

Trade (generic) Name	Dose/Form ¹	Effect Duration	Time for Effect	Side Effects ²
Adderall (mixed amphetamine salt)	5, 7.5, 10, 12.5, 15, 20, 30 mg tabs	4-6 hrs	1 hour	- Aggression - Anxiety - Obsessive/ compulsive behavior - Tics - ↓ Appetite, weight - ↓ Sleep
	5, 10, 15, 20, 25, 30, 40, 50 mg XR	6-10 hrs	“	
Dexedrine (d-amphetamine)	5 mg tablets	4-6 hrs	“	
	5, 10, 15 mg spansules	6-8 hrs	“	
Desoxyn (meth-amphetamine)	5 mg tablets	6-8 hrs	“	
			“	

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Non-Stimulants

In Developmental Disorders of Attention

Trade (generic) Name	Dose/Form	Effect Duration	Time for Effect	Side Effects ²
Tofranil (imipramine)	75, 100, 125, 150 mg caps 10, 25, 50 mg tabs	12 hour	2-4 wks	HA, ↑ wt, drowsiness dry mouth, ECG Δ
Norpramine (desipramine)	25, 50 mg caps 10, 25, 50, 75, 100, 150 mg tabs	24 hour	2-4 wks	“ “ “
Pamelor (nortriptyline)	10, 25, 50, 75 mg caps 2 mg/ml liquid	24 hour	2-4 wks	“ “ “
Elavil (amitriptyline)	10, 25, 50, 75, 100, 150 mg tabs	12 hour	2-4 wks	“ “ “
Wellbutrin (bupropion)	75, 100 mg tabs 100, 150 mg SR	8-12 hour 12-18 hour	2-4 wks	Sz, agitation, HA, insomnia
Effexor (venlafaxine)	25, 37.5, 50, 75, 100 mg tabs 37.5, 75, 150 mg XR	12 hour 18 hour	2-4 wks	N, sedation, GI upset
Catapres (clonidine) ¹	.1, .2, .3 mg tabs .1, .2, .3 mg/d TTS patch	6-8 hour 24 hour/5-7 d	1-3 days 1-3 days	sedation, orthostatic BP↓, dry mouth, rebound ↑ BP if quick withdrawal
Tenex (guanfacine) ¹	1 mg tab	6-8 hour	1-3 days	“ “ “

1 – used as “add-on” Rx, may reduce aggression, tics – as may atypical neuroleptics Risperdal, Seroquel, Zyprexa & Geodon

Anti-Seizure Medications In Developmental Disorders

Class	Trade Name	Name (Generic)	Dose Size (mg)	Common Side Effects
Others	Depakote	(valproic acid)	125 sprinkle; 250, 500 reg & ER	N, V, tremor, ↑ wt, hair loss
	Tegretol	(carbamazepine)	100 chew, 200; 100, 200, 400 XR; liquid	dizziness, drowsiness, ↓ Na ⁺ , rash, ↓ CBC, ↑ liver
	Carbatrol	(carbamazepine)	100, 200, 300	“ “
Newer Antiseizure Medications	Trileptal	(oxcarbazepine)	150, 300, 600	dizziness, fatigue, N, V, tremor
	Lamictal	(lamotrigine)	25, 100, 150, 200; chewable 2, 5, 25	<u>rash</u> , dizziness, drowsiness
	Topamax	(topiramate)	25, 100, 200 15, 25 sprinkle	drowsiness, ↓ concentration, renal stone, ↓ weight
	Gabitril	(tiagabine)	2, 4, 12, 16, 20	dizziness, drowsiness, irritability, tremor
	Keppra Zonegran	(levetiracetam) (zonisamide)	250, 500, 750 (liquid) 25, 50, 100	dizziness, drowsiness drowsiness, irritability

Anti-Seizure Medications In Developmental Disorders

Class	Trade Name	Name (Generic)	Dose Size (mg)	Common Side Effects
Barbiturates	--	(phenobarbital)	15, 30, 60, 100	drowsiness
	Mysoline	(primidone)	50, 250	drowsiness, confusion
Hydantoins	Dilantin	(phenytoin)	30, 50, 100	unsteadiness, rash ↑ gums, ↑ hair
Benzodiazepines	Klonopin	(clonazepam)	.5, 1.0, 2.0 wafer .25, .5, 1, 2	drowsiness
	Valium	(diazepam)	2, 5, 10	drowsiness
	Diastat	(diazepam gel)	2.5, 5, 10, 15, 20	drowsiness
Amino Acids	Neurontin	(gabapentin)	100, 300, 400, 600, 800	dizziness, fatigue