

ANTIPSYCHOTIC MEDICATIONS ("Atypicals" Page 1)

Used for Psychosis, Schizophrenia, Bipolar Disorder, Severe Impulsive Aggression, Tourette's, Paranoia, Depression, Anxiety, Autism

Medication Brand/Generic	Form	Dose Schedule	Dose Range	Most Common Side Effects for Group	Pros for Group	Cautions for Group
Risperdal (risperidone)	tablets .25mg, .50mg, 1mg, 2mg, 3mg, 4mg M tabs 0.5, 1, 2mg liquid 1mg/1ml Consta IM Depot	1-3 times daily, often evening only	one quarter to 16mg/day depending on age, size, diagnosis, and severity Youth and adults	Sedation, weight gain or appetite increase. Extrapyramidal symptoms (EPS) less common than with "Typicals." Prolactin increase also less common than typical but also can occur especially with higher doses. Sun sensitivity, heat intolerance, sexual side effects can occur but are uncommon. Rarely negative effects on liver or blood count.	The "Atypical" antipsychotics are often preferred over the "typicals" as first line treatments for the above conditions. The "Atypicals" have benefit for mood disorders and may work as mood stabilizers. Generic risperidone, Seroquel, Zyprexa, Abilify, and Geodon are available	Prolactin increase and breast discharge happens more with Risperdal than other atypicals. Also Fanapt, olanzapine, Latuda, and Invega, but less. Appetite increase or sedation are often more of a concern than EPS or TD. Weight gain and related metabolic health effects occur most often with Zyprexa, Seroquel, and Risperdal but least with Geodon.
Fanapt (iloperidone)	1, 2, 4, 6, 8, 10, 12 mg tablets	twice daily or evening	6-12 mg twice daily	Fanapt shows no to little EPS and moderate QTc, orthostasis, weight gain. Dizzy, dry mouth, sleepy, increased heart rate, nasal congestion are most common but mild and dose related.	Invega is an extended smoother release cousin of risperidone (OROS).	Invega has a small chance of heart rhythm side effect.
Invega (paliperidone)	Sustenna IM Depot 3,6, 9 mg caplets	once a day or monthly	3 to 12 mg/d (6 average)			
Zyprexa (olanzapine)	tablets 2.5, 5, 7.5, 10, 15, 20mg zydis 5, 10, 15, 20mg Injection	Once to twice a day, often evening only	1.25mg to 20mg/day Youth and adults	Zyprexa, Clozaril, and Seroquel have lowest risks of EPS. Zyprexa, Clozaril, Risperdal, and Seroquel cause the most sedation and weight gain. Abilify and Saphris are in the middle. Geodon is lowest. Directly or indirectly weight gain can lead to diabetes, hypertension, and high cholesterol and triglycerides. Latuda looks good so far.	Risperdal and Zyprexa have been available longest, studied the most, have the best track records, are very effective (often rapidly) and have been used enough with kids and the elderly to have shown benefit and safety. But side effects may be less in newer options.	Fanapt has no EPS, akathisia or tremor and similar QTc effect to Geodon. Zyprexa linked to rare serious skin reaction called DRESS.
Seroquel (quetiapine)	tablets 25, 50, 100, 200, 300, 400mg XR 50, 150, 200, 300, 400mg	Twice daily, sometimes only evening	25mg to 800mg/day total Youth and adults	Seroquel has low risks of EPS. This includes a low risk of Tardive Dyskinesia (TD) and Neuroleptic Malignant Syndrome (NMS). Sedation and weight gain occur often. Seroquel is not very potent. Thus higher doses are often needed.	No routine blood tests for any of the group except clozapine. Seroquel is effective for bipolar mania, bipolar depression, depression booster, and borderline personality disorder.	All antipsychotics block the dopamine (D2) receptor. The atypicals also somewhat block serotonin (5HT). The atypicals also boost antidepressant and anti-anxiety meds (good). Seroquel, Risperdal, Zyprexa, Geodon, Abilify, and Clozaril are now available in a generic.
Geodon (ziprasidone)	capsules 20, 40, 60, 80mg injection 20mg/ml	Twice a day, sometimes once	20 to 160mg/day total, usually Youth and adults	Geodon and Seroquel have shorter action and are thus sometimes advised to be given a.m. and evenings.	In certain situations improved appetite and improved sleep are desired side effects. Side effects are often less at lower doses. Side effects can often be avoided completely. Sedation is most common. Geodon rarely, if ever, causes weight gain.	Cataract risk may be increased slightly by all antipsychotics as well as by some other medicines and health conditions. Geodon may worsen or bring out abnormal heart rhythm. Certain patients may thus be best off with one of the others. Checking an EKG may be worthwhile in some cases and higher doses.

Simultaneous use of alcohol or cigarettes and especially street drugs should be avoided. All medications should be avoided, if possible, in pregnancy.

This chart is intended to be a summary guide, not a full and complete list.

ANTIPSYCHOTIC MEDICATIONS ("Atypicals" Page 2)

Used for Psychosis, Schizophrenia, Bipolar Disorder, Severe Impulsive Aggression, Tourette's, Paranoia, Depression, Anxiety, Autism

Medication Brand/Generic	Form	Dose Schedule	Dose Range	Most Common Side Effects for Group	Pros for Group	Cautions for Group
Clozaril (clozapine)	tablets, scored 25, 100mg	Once or twice daily	300 to 900mg a day, usually Adults	A wide range of nuisance and moderate to severe side effects render Clozaril a hassle often. Blood count suppression can be dangerous so that weekly blood tests are advised at least at first.	Clozaril not only does <u>not</u> cause EPS, especially Tardive Dyskinesia (TD), it actually can treat TD. "Miraculous" benefits have occurred with some cases of schizophrenia.	I generally do not use Clozaril because of side effects although it may be the most effective. Abilify, as with most atypicals, is often helpful as a "booster" to improve benefit when added to an antidepressant or anti-anxiety med. Atypicals often help as mood stabilizers, especially mania, but also depression and anxiety.
Abilify (aripiprazole)	tablets 2, 5, 10, 15, 20, 30mg Discmelt 10, 15mg Oral solution liquid 1mg/1ml Injection (IM) 9.75mg/1.3 ml vial	Once or twice daily	Child: 1 – 10 mg Adoles: 1 – 20 mg Adult: 2 – 30 mg	Sleepy, dizzy, weight gain, nausea, EPS can happen with most atypicals.	All Atypicals help psychosis, mania, and impulsive aggression. Long duration form of Abilify improves compliance, convenience, and may improve benefit.	Abilify may problematically increase some pleasure urges like dopamine agonists for parkinson's or RLS can occasionally. Not common.
Aristada (Aripiprazole lauroxil)	441, 662, 882mg Extended release IM	Monthly 882 mg lasts 4 to 6 weeks	441 to 882mg Adults	Same as Abilify		May still require daily oral med to adjust or fine tune. Requires an IM injection. Once given, it lasts a month.
Saphris (asenapine)	Sublingual tablets 5, 10mg Let dissolve under tongue.	Once to often twice a day	Wait 2 to 10 minutes to eat or drink after taking dose. Youth and adults 5 to 30 mg a day usually 5 to 10 mg twice a day	Brief occasional tongue numbness after dosing (under tongue). Moderate weight gain and metabolic changes. Sedation, EPS, akathisia, dizzy. No prolactin, orthostasis or QTc effects.	FDA approved for schizophrenia and bipolar including adolescents.	Zyprexa, Risperdal, Abilify, Seroquel, Invega, Saphris, Geodon are FDA approved for youth.
Latuda (lurasidone)	Tablets 20, 40, 60, 80, 120mg	evening with food	Adults start 20-40mg max 160mg/day	Sedation, nausea, EPS, akathisia, though Latuda causes less. Take with food to prevent nausea and help absorb.	Less weight and EPS and heart (QTc, orthostasis) with Latuda.	Latuda is approved by FDA in 2011. Is often a good option, especially for Bipolar depression or major depression as a booster.
Rexulti (brexpiprazole)	Tablets 0.25, 0.5, 1, 2, 3, 4mg not scored	Once a day Usually evening	Adults Start 0.5 to 1 mg For depression booster 1-3 mg For schizophrenia 2-4 mg	Sedation, weight gain, EPS (akathisia, tremor) like other atypicals but at similar to lower frequencies.	Another option to add to antidepressants to boost effectiveness. Chemically related to Abilify, both are D ₂ partial agonists.	New, FDA approved 2015. Brand only. Remember, all antipsychotics both typical and atypical can cause a range of EPS and metabolic side effects. See my Medical Education memo regarding " Antipsychotic medicines ".
Vraylar (cariprazine)	Capsules 1.5, 3, 4.5, 6mg	Once daily AM or evening	Adults Start 1.5 mg Depression 1.5 mg Mania 3-6 mg Schizophrenia 1.5 - 6mg	EPS/akathisia, weight gain. Less often sedation, nausea, constipation, insomnia	D ₃ preferring partial agonist which makes it different from other antipsychotics. Only Vraylar and quetiapine have been proven effective in all phases of bipolar disorder.	New, FDA approved 2016. Brand only. Steady state 2-4 days for cariprazine but 1-3 weeks for DDCAR.

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