

Atypical Antipsychotics

Generic (Brand)	Target Dose (QD acceptable for almost all)	Dosage Form	Metabolic Effects (lipids, BG's, Wt)	EPS (Neuromuscular Side Effects)	Tardive Dyskinesia	Anticholinergic	Antihistamine	Hypotension	Notes
Clozapine (Clozaril, FazaClo)	300-400 mg Max: = 900 (Blood Levels)	<ul style="list-style-type: none"> • Tablet (Clozaril) • Orally disintegrating (FazaClo) 	++++	Some: akathisia, dystonia → Rare	0	++++	++++	+++	Uniquely effective for refractory pts; bone marrow depression; drooling; decreased suicidal ideation; smoking increases elimination
Olanzapine (Zyprexa)	20 mg Max = 40	<ul style="list-style-type: none"> • IM • IM Depot Form (Relprevv) • Tablet • SL (Zyprexa Zydis) • Combo with fluoxetine (Symbyax) 	+++	Rare >30 mg	<1%	+++	+++	+++	Smoking increases elimination Onset with sublingual Zydis = Onset with oral tablets
Risperidone (Risperdal)	<6 mg	<ul style="list-style-type: none"> • Tablet • Orally disintegrating (Risperdal M-Tabs) • IM (Risperdal Consta) • Oral solution 	+++	Prominent with >6mg	<1%	0	+	+++	Prolactin elevation persists and is often clinically significant (breast enlargement & milk secretion)
Quetiapine (Seroquel)	600-1200 mg QD-BID-TID	<ul style="list-style-type: none"> • Tablet • Extended release (Seroquel XR) 	++	Rare >1500 mg	<1%	+	+++	+++	Low dose sedation. antidepressant activity
Ziprasidone (Geodon)	160-320 mg QD-BID WITH FOOD	<ul style="list-style-type: none"> • Capsule • IM (20 mg IM = 80 mg PO bid???) 	+/-	Rare Akathisia more common	<1%	+	0	0	Potential cardiac toxicity (more worried about than seen); avoid gradual titration (agitation)
Aripiprazole (Abilify)	10-20 mg <= 30 mg	<ul style="list-style-type: none"> • Tablet • Orally disintegrating (Abilify Discmelt) • IM • Oral solution 	+	Rare Akathisia more common	<1%	+	0	0	Antidepressant activity

Atypical Antipsychotics (Continued)									
Generic (Brand)	Target Dose (QD acceptable for almost all)	Dosage Form	Metabolic Effects (lipids, BG's, Wt)	EPS	TD	Anticholinergic	Antihistamine	Alpha ₁ (Sleep / Hypotension)	Notes
Paliperidone (Invega)	6-9 mg	• ER tablet	+++	Similar to risperidone	<1%	0	+	?	Active metabolite of risperidone; ghost tablets in stool Questionable advantages Prolactin as with risperidone
Paliperidone Palmitate Injection (Invega Sustenna)	234 mg Day 1; 156 mg Day 8; 117 mg Q month	• Depot Injection – Deltoid or Gluteal; Initial injections recommended in deltoid	+++	Dose-related; similar to risperidone	?? < 1%	0	+	++	Easier administration than Risperdal Consta
Iloperidone (Fanapt)	12 – 24 mg/day (given BID)	• Tablets in multiple strengths	+++	+	?? < 1%	0	+	++++	Potent alpha₁ antagonist ; gradual titration of dose necessary to avoid blood pressure drops and fainting.
Asenapine (Saphris)	Schizophrenia: 5 mg BID. Bipolar Disorder: 10 mg BID	• Sub-Lingual Tablet • Do not swallow; avoid eating / drinking for approx 10 minutes	++	+ (Dose related)	??	0	++	++	Water, food or swallowing tablets significantly reduces amount absorbed.
Lurasidone (Latuda)	40 – 80 mg/day With food	• Oral tablets	+ / ++	Akathisia	??	0	0	++	May cause less metabolic adverse effects.

EPS: ACUTE Extrapyrimal side effects – e.g., Parkinsonism, dystonia, akathisia

TD: DELAYED/LATE-ONSET Abnormal, Involuntary movements which may persist

ANTICHOLINERGIC: Side effects such as **blurred vision, dry mouth, constipation**; **potentially may cause in urinary retention & cognitive disturbances**

ANTIHISTAMINE: Responsible for side effects such as **sedation and weight gain**

ALPHA₁ ANTAGONISM: Responsible for orthostatic (postural) hypotension (marked blood pressure drop on standing); also responsible for sedation.