

ZYPREXA (olanzapine) Fact Sheet

Manufacturer: Eli Lilly; patent expiration 2011.

Indications:

- Schizophrenia, both short-term and maintenance treatment.
- Bipolar disorder, including manic or mixed episodes, and maintenance monotherapy. Approval specifically includes both monotherapy and combination treatment with lithium or Depakote.
- IM formulation indicated for treatment of agitation associated with schizophrenia and bipolar mania.
- Off-label use for a variety of disorders, including treatment-resistant depression, anxiety disorders, PTSD, general impulsivity/agitation, and insomnia.

Mechanism: D2 and 5HT 2 receptor antagonist.

Dosing:

- Supplied as:
 - Oral tablets at 2.5 mg, 5 mg, 10 mg, 15 mg, and 20 mg
 - Orally disintegrating “Zyprexa Zydis” tablets in 5 mg, 10 mg, 15 mg and 20 mg
 - Intramuscular injectible Zyprexa in 10 mg vials
- Start most patients at 5-10 mg QD, may need to increase up to 30 mg per day or more.
- Recommended IM dose for treatment of acute agitation is 10 mg.

Side effects:

- **BLACK BOX WARNING:** All atypicals may increase mortality in elderly patients by 1.7 times greater than placebo.
- Most common are somnolence, dry mouth, constipation, and weight gain.
- Weight gain: Substantial; 10-30 pounds weight gain is common.
- EPS: Akathisia and parkinsonism in 10-20% of patients, depending on dosing.
- Glucose/Lipids: Associated with new onset diabetes and hyperlipidemia; worse in this regard than all atypicals except for clozapine.
- EKG: No concerns.
- Prolactin level: Transient increase only.
- Pregnancy category C.

Drug-drug interactions:

- Does not affect hepatic enzymes and thus does not affect metabolism of other drugs.
- However, the metabolism of Zyprexa is affected in the following ways:
 - Smoking and Tegretol *increase* clearance by 40%-50%, decreasing effective dose.
 - Luvox *decreases* clearance by 50-70%, increasing blood levels of Zyprexa.
- Half-life 1-2 days, greater in elderly patients.

Laboratory monitoring:

- Occasional fasting or random glucose and lipid panel over first 6-12 months.
- Track weight with each visit.