

Dr. Moynihan and class,

Select one drug to treat the diagnosis(es) or symptoms.

1. The diagnosis of T.M. is Schizophrenia. The positive symptoms of Schizophrenia include hallucinations, delusions, thought disorder, bizarre behavior, hostility, and excitability (Ruiz-Castañeda, 2022). T.M. presented with symptoms including increasingly erratic behavior, social withdrawal, auditory hallucinations, and impaired occupational functioning. All of the symptoms T.M. exhibits are consistent with Schizophrenia. Therefore, the drug of choice to treat T.M.'s symptoms and diagnosis is a second-generation antipsychotic, olanzapine (Zyprexa) (Stahl, 2021).
2. List medication class and mechanism of action for the chosen medication.

Olanzapine mechanism of action is by blocking the dopamine 2 receptors and serotonin receptors. Olanzapine works by blocking D2 receptors and in turn reduces the positive symptoms of psychosis and stabilizes affective symptoms allowing for normal dopamine neurotransmission (Stahl, 2021). In the brain, Olanzapine blocks serotonin 2A receptors increasing dopamine to be released to certain areas of the brain. By blocking serotonin receptors this allows for reduction to the motor side effects and improves cognition and affective symptoms which includes mania, restlessness, irritability, and difficulty concentrating (Saadabadi, 2023).

3. Write the prescription in prescription format. T.M.

Olanzapine 10mg Tablet, Orally

Take 1 Tablet by mouth before bed

Disp: #30 Tablets

Refills: None

Peaches Duon MSN, FNP-BC, PMHNP

NPI: 123456789

DEA: MDxxxxxx