

Pharmacology Notecard Assignment

1. The medication is Metoprolol, and we could give this medication to a patient for hypertension (Phelps, 2023).
2. This drug stimulates beta sites in the heart, which leads to the heart muscles decreasing in cardiac output and decreasing the elasticity of the heart pumping. Metoprolol can also help lower blood pressure by lowering the release of renin that will be released from the kidneys (Phelps, 2023).
3. An expected client response to taking Metoprolol is lowering of their blood pressure and decrease risks of heart attack. (Phelps, 2023).
4. We should look at if the patient is undergoing heart surgery, people who have hypertension along with congestive heart failure, assess an EKG on the patient, routinely check vital signs, check for poor blood sugar levels, and there are many more (Phelps, 2023).
5. A safe dose for adults varies for each way that the patient could take the medication but a safe range for a dosage of Metoprolol for adult clients is 25 mg – 450 mg (Phelps, 2023).
6. This drug is given by mouth, by mouth extended-release capsules, and intravenously (Phelps, 2023).
7. The generic name for Metoprolol is metoprolol but the name brand drug is called Lopressor, Kaspargo Sprinkle, and Toprol-XL (Phelps, 2023).
8. The pharmacologic class of this drug is **Beta 1 – adrenergic blocker**, and the therapeutic class is **Antianginal or antihypertensive** (Phelps, 2023).

9. Some common side effects of this medication are dry eyes or mouth, leukopenia, hepatitis, shortness of breath, palpitations, orthostatic hypotension, and there are many more (Phelps, 2023).

Reference

Phelps, L.L. (2023). *Nursing diagnosis reference manual* (12th ed.). Wolters Kluwer.