Cormathzadrine

Cormathzadrine is a new drug that is being tested prior to being made readily available.

Model the level of Cormathzadrine for a patient who is told to take 4,000 milligrams per day with doses at regular intervals for one week.

For example, the patient could take 1,000 milligrams at 8am, 12noon, 4pm and 8pm every day.

Consider the effect on the person of taking different doses at different regular intervals during the day, whilst considering the dangers of having too much or too little of the drug in the body at any given time.

Cormathzadrine has a half-life of between 1 and 4 hours.

Use what you find out from your models to write a report on how best to administer the drug to patients.

Show clearly all your working.