

## SURVEY OF ANTIBIOTIC- CEFPODOXIME PROXETIL

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## ABSTRACT

Antibiotics are antimicrobial substances active against bacteria. It is the most important antibacterial agent for fighting bacterial infections. Antibiotic medications are widely used in the treatment and prevention of such infections. This paper contains study of cefpodoxime proxetil and its detail survey. Pharmaceutical marketing is presently the most organized and comprehensive information system for updating physicians about the availability, safety, efficacy, hazards, and techniques of using medicines. The costs of pharmaceutical marketing are substantial, but they are typical of high-technology industries that must communicate important and complex information to sophisticated users. These costs are offset by savings resulting from proper use of medicines and from lower drug costs owing to price.

**KEYWORDS:** Cefpodoxime proxetil, Antibiotics, Gudcef 200, Monocef o 200.

## INTRODUCTION

Antibiotics are an antimicrobial substance active against bacteria. It is the most important antibacterial agent for fighting bacterial infections. Antibiotic medications are widely used in the treatment and prevention of such infections.

The survey on antibiotics, specifically “CEFPODOXIME PROXETIL” gives us information on how frequently the drug is prescribed by the Doctors and also information on the prescribed rate of “CEFPODOXIME PROXETIL” over other available Antibiotics available in the market.

## MATERIALS AND METHODS

The method used for the survey of “CEFPODOXIME PROXETIL” was by physically visiting number of Doctors in Local area and ask them questions prepared in the Questionnaire.

A separate Questionnaire was prepared for DOCTORS as well as PHARMACISTS The Questions were physically asked and the answers of both DOCTORS and PHARMACISTS were noted down.

The data collected was then arranged in a pie chart and the percentage of most prescribed brands as well as most dispensed brands was concluded.

## RESULTS DISCUSSION

### Questionnaire for doctors

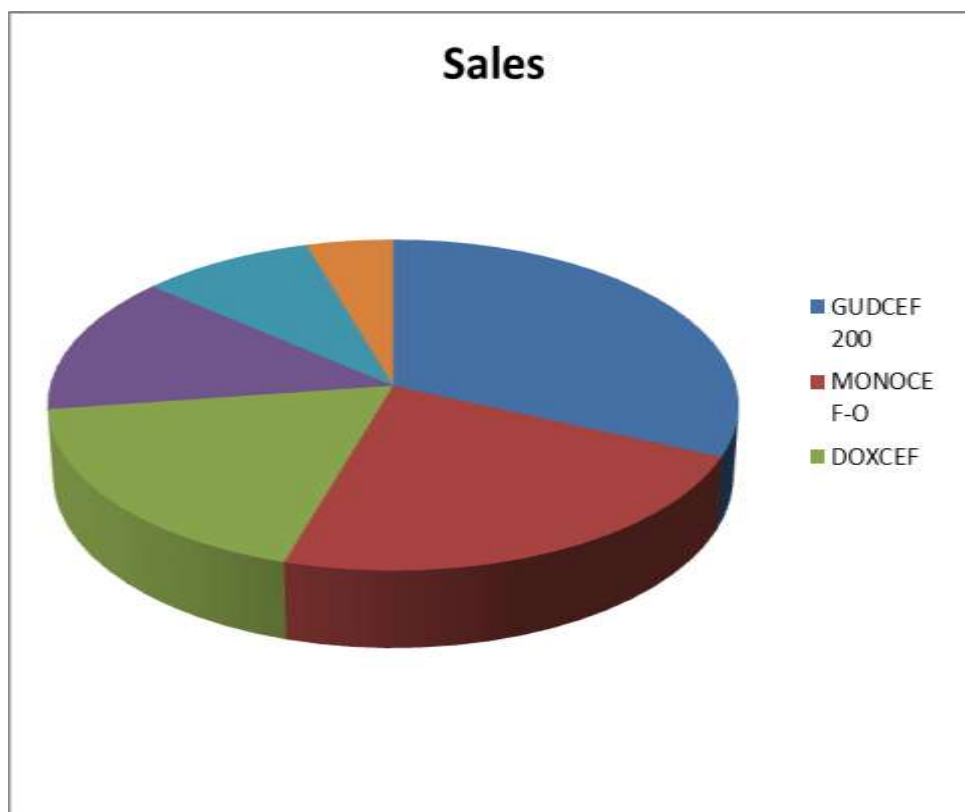
- Which antibiotic drug do you prescribe the most?
- Do you prescribe any combination therapy along with these drugs?
- Why did you prescribe this drug?
- What do you expect this drug to do?
- How should this drug be administered?
- What can happen if the patient forgot to take the dose?
- Which food or substance should be avoided during the treatment?
- Are there any risks of taking this medication?
- For how long should this medication be taken?
- Can this medication cause any allergic reaction?

### Questionnaire for pharmacists

- Which company manufactures this drug?
- What is the chemical composition of this drug?
- How is this drug stored safely?
- What is the price of this drug?
- Is this brand name or generic name of the drug?
- Can a patient take over the counter or generic medication instead of this drug?
- If a generic alternative is available then is it as effective as this brand name counterpart?
- Does the time of administration matter for this drug?
- What should the patient do if they forget to take a dose?

**MOST PRESCRIBED BRAND (PRESCRIBED HABIT).****Table No. 1: Most Prescribed Brands.**

SR NO.	DOCTORS	DEGREE	DRUGS	%PRESCRIPTION
1.	DR. SANJAY MAHAJAN	M.B.B.S	Gudcef 200 Doxcef	85%
2.	DR. KAPIL THOKE	B.D.S	Cepodem Doxcef	90%
3.	DR. CHAITANYA THOKE	M.S (E.N.T) M.B.B.S	Zedocef Monocef-O	75%
4.	DR. JAIWANT THOKE	M.S (E.N.T) DLO	Doxcef Monocef-O	90%
5.	DR. SAMIT KODE	B.D.S	Gudcef 200	80%
6.	DR. MANISH INAMDAR	M.B.B.S	Doxcef ZEDOCEF	65%
7.	DR. VIKRANT MANE PATIL	B.H.M.S	Gudcef 200	80%
8.	DR. SUBHASH DARBHE	B.A.M.S M.D	Gudcef 200 Monocef-O	60%
9.	DR. RAVINDRA HARSHE	M.S (M.B.B.S)	Zedocef Gudcef 200	85%
10.	DR. SANJAY PATWARDHAN	M.B.B.S	Oxipod 200	65%
11.	DR. SURESH CHAVAN	M.S (M.B.B.S)	Gudcef 200 Monocef-O	85%
12.	DR. MANISHA KADAM	B.H.M.S	Cepodem Monocef-O	50%
13.	DR. VANDANA PATIL	PATHOLOGIST	Cepodem	85%
14.	DR. HARSHAD NIKAM	PATHOLOGIST	Monocef-O	75%
15.	DR. DATTA RAUT	M.B.B.S	Doxcef	90%
16.	DR. UMESH DESHMUKH	PEDITRICIAN	Doxcef	80%
17.	DR. SUNIL PATWARDHAN	DERMATOLOGIST	Cepodem	65%
18.	DR. DIPALI SALUNKHE	ENT SURGEON	ZEDOCEF	80%
19.	DR. DHANASHREE JADHAV	HOMEOPATHIC DR	Gudcef 200	60%
20.	DR. DEVYANI BHOSALE	M.B.B.S	Monocef-O	85%
21.	DR. NITIN OMBASE	M.B.B.S	Doxcef	65%
22.	DR. VANDANA GHORPADE	M.B.B.S.	Gudcef 200	65%
23.	DR. SACHIN BHANDARI	DERMATOLOGIST	ZEDOCEF	80%
24.	DR. VINAY LOKHANDE	M.B.B.S.	Monocef-O	60%
25.	DR. RAVINDRA HARSHE	M.S (M.B.B.S)	Doxcef	85%
26.	DR. SANJAY PAWAR	M.B.B.S	Gudcef 200	65%
27.	DR. SUNIL CHAVAN	M.S (M.B.B.S)	Monocef-O	85%
28.	DR. SUNIL SHELAR	DERMATOLOGIST	Gudcef 200	65%

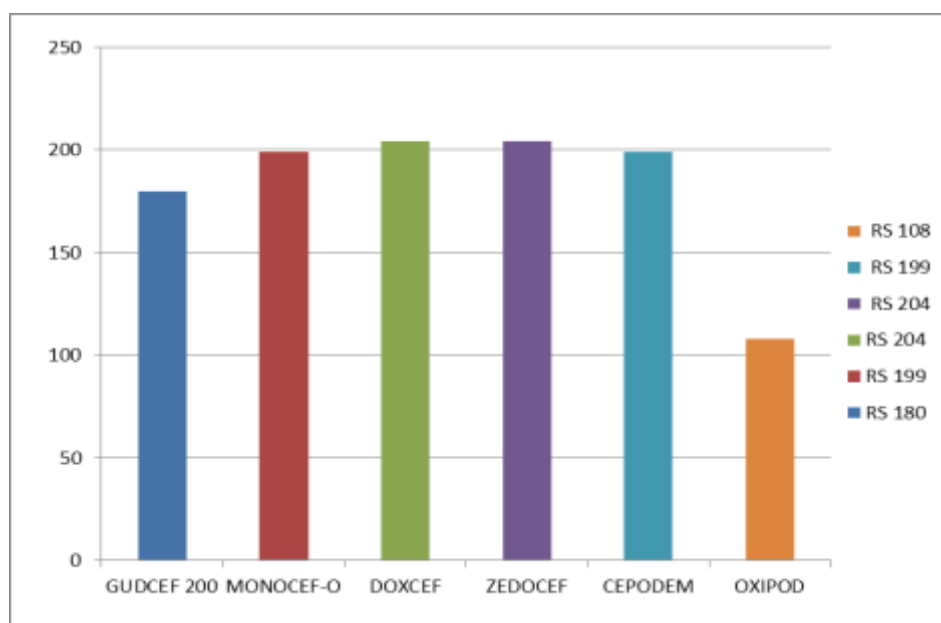


### List of Medicals

Sr. No.	Medical	Most Dispensed Brands	Locality
1	Alpine Chemist pvt. Ltd. Medical	Gudcef 200	Satara
2	Swasthyam Medical	Cepodem	Satara
3	Pradip Medical	Oxipod 200	Satara
4	Wellness Medical	Zedocef	Satara
5	Prakash Medical	Opox	Satara
6	Varad Medical	Gudcef 200	Satara
7	Jeevan Medical	Monocef-O	Satara
8	Thoke Medical	Doxcef	Satara
9	Matoshri Medical	Macpod	Satara
10	Sunny Medical	Cepodem	Satara
11	Durva Medical	Doxcef	Satara
12	Avinash Medical	Oxipod 200	Satara
13	Disha Medical	Zedocef	Satara
14	Dere Medical	Gudcef 200	Satara
15	Ajay Medical	Cepodem	Satara
16	vijay medical	Cedon	juna motorstand satara
17	amrut medical	Doxcef	sadarbazar satara
18	wellcare medical	Cepodem	sadarbazar satara
19	pramod medical	Cepodem	rajwada satara
20	R.B dhaygude medical	Gudecf 200	rajwada satara
21	uday medical	Cepodem	rajwada satara
22	mauli medical	Doxcef	rajwada satara

23	prathamesh medical	Monocef-O	godoli satara
24	spandan medical	Gudcef 200	godoli satara
25	vishwalaxmi medical	Doxcef	godoli satara
26	Shri krushna medical	Monocef-O	Rajwada satara
27	Krushna medical	Monocef-O	Rajwada satara
28	Shriram medical	Gudecf 200	Rajwada satara
29	Raj medical	Doxcef	Powainaka satara
30	Gurukrupa medical	Monocef-O	Rajwada satara
31	Apurva medical	Doxcef	Rajwada satara
32	Jarag medical	Gudecf 200	Rajwada satara
33	Aryangla medical	Monocef-O	Rajwada satara
34	Ramkamal medical	Monocef-O	Rajwada satara
35	Satara medical	Doxcef	Rajwada satara
36	Surbhi medical	Gudecf 200	Rajwada satara
37	Relife medical	Monocef-O	Visava naka
38	Nilesh medical	Doxcef	Rajwada satara
39	Uma medical	Monocef-O	Shahupuri satara
40	Janseva medical	Gudecf 200	Shahupuri satara
41	Ratna medical	Oxipod 200	Godoli satara
42	Morya swastha Awshadhi	Oxipod 200	Midc sataran
43	Samarth medical	Oxipod 200	Midc satara
44	Om medical	Gudecf 200	Visava naka
45	Spartan medical	Oxipod 200	Karanje satara
46	Sahyog medical	Monocef-O	Karanje satara
47	Prathamesh medical	Doxcef	Godoli satara
48	Pratibha medical	Gudecf 200	Visava naka satara
49	Suvidha medical	Monocef-O	Rajwada satara
50	Mai medical	Monocef-O	Shahupuri satara

### Comparison of price (In rupees)



The most dispensed Antibiotic brand was found to be GUDCEF 200.

## CONCLUSION

Antibiotic drugs are widely used nowadays. There are many antibiotic drugs used in the market, according to surveys with pharmacists and doctors we have concluded that the most prescribed and dispensed antibiotic drugs are cefpodoxime proxetil, Azithromycin, cefixime etc.

We performed a detailed survey regarding the drug, its marketing and sales of different types in local pharmacies and clinics and made detailed reports regarding these drugs.

I did the survey in Satara.

I also conclude that cefpodoxime proxetil is widely used in combination for better antibiotic activity.

It was concluded that the most prescribed and dispensed brand of cefpodoxime proxetil more than 80% are "Gudcef 200" and "Monocef-o" tablets.

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**REFERENCES**

1. "Cefpodoxime, Free Acid Susceptibility and Minimum Inhibitory Concentration (MIC) Data" (PDF).
2. "Pharmaceuticals Manufacturer, Marketer, Pharmaceutical Manufacturing Company India". [www.finecurepharma.com](http://www.finecurepharma.com). Retrieved 2019-05-26.
3. "Anti Biotics and Anti Bacterial". Finecurepharmaceuticalsltd. Archived from the original on 2012-03-06. Retrieved 2012-03-27.
4. "cephalosporin". Merriam-Webster.com Dictionary
5. "cephalosporin" at Dorland's Medical Dictionary
6. <https://www.1mg.com/drugs/gudcef-200-tablet-73032?wpsrc=Google+Organic+Search>
7. <https://www.1mg.com/drugs/monocef-o-200-tablet-118330>