

# A Study on Doctors' Perception towards Fanapt in Bidar City

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**Abstract-** *The chemical industry is one of the earliest domestic industries in India, contributing considerably to both the industrial as well as economic growth of country. Fanapt is an atypical antipsychotic agent indicated for the acute treatment of schizophrenia in adults. Fanapt is used for psychiatric treatment. This paper analysis the study on doctors' perception towards Fanapt. In the analysis 50 were surveyed, and concluded that maximum doctors Fanapt is prescribed by the doctors for the treatment Schizophrenia because in Fan apt the potassium chloride and potassium carbonate is less as compared to other medicine like Haldol.*

## I. INTRODUCTION

CHORUS LABS is a manufacturer and exporters of Iloperidone. It also manufactures diclofenic sodium and terbinafina hydrochloride. Iloperidone, also known as Fanapt, Fanapta, and previously known as zomarill, is an atypical antipsychotic for the treatment of Schizophrenia. It is used in psychiatric medication. It is second generation antipsychotic agent that is used for treatment of Schizophrenia. Iloperidone is associated with a low rate of serum aminotransferase elevations during therapy, but has not been linked to instances of clinically apparent acute liver injury. Its molecular formula is  $C_{24}H_{27}FN_2O_4$  and its molecular weight is 426.488g/mol

## II. LITERATURE REVIEW

A systematic review of randomized controlled trials (RCTs) comparing the use of loxi or NCT versus placebo or other anti-psychotic agents was conducted and evaluated the efficacy and safety were conducted.

One of the study of Stephen M.stahl researcher revealed a contributing role of splenic macrophages in the development of alzheimer's disease.

According to the pharmaceuticals research and manufacturers of America (PHRMA, 2014) approximately 200 novels for mental health disorders were under development in 2014, of which 30% were indicated for schizophrenia 2014.

International Classification of diseases (ICD) revealed that modeling the budget impact of long acting injectable paliperidone palmitate in the treatment of schizophrenia in Japan.

Database Abstracts of Reviews of Effects revealed that the classical drug targets for the treatment of schizophrenia are dopamine  $D_2$  receptors, second generation drug block more receptors of GPCR class. An analysis of the opportunities for drug design offered by the structure solved recently is also presented.

National Institute for Health and Clinical Excellence (NICE) revealed a recent literature review which suggested that Haldol is more likely to cause QTc prolongation than quetiapine. The current article critically evaluates this literature review by examining the original source studies cited by the authors to support their conclusions.

Fernando Fernandies revealed that the drug approved by US food and administration since 2009. because of their unique pharmacologies and different tolerability profiles, they may be more effective alternative for patients who do not respond to or cannot tolerate other antipsychotic drugs.

One of the reviews of R. Pontarolo showed that Fanapt prevents relapse in stabilized patients, with a time to relapse superior to placebo and similar to haloperidol patients using a prior antipsychotic can easily switch to Fanapt with no serious impact on safety or efficacy

Fernanda Stumpf Tonin revealed in one of his research that psychosis corresponds to the most familiar cluster of the positive symptoms of schizophrenia, which may include hallucinations, delusions or movement disorder.

### III. OBJECTIVE OF THE STUDY

- To know the uses of Fanapt.
- To know the contents of Fanapt.
- To know the level of Fanapt price affordability by people
- To know doctor’s prescription of Fanapt to treat schizophrenia.

### IV. RESEARCH METHODOLOGY

#### • DATA COLLECTION

Primary data

Secondary data

Primary data:

Primary data is collected by interacting with doctors and customers by discussing and questionnaires are used as a tool collect primary data.

Secondary data:

It is collected from company website and journals and research papers.

#### • RESEARCH DESIGN:

Research area: Bidar city.

Research tool: questionnaires.

Number of respondents (sample size 50 doctors)

Sample method: simple random sampling.

Stastical tool: chi-square test.

#### • QUESTIONNAIRE:

Thus questions in the questionnaire were simple the respondents were given pledge that the data collected kept secretly and will be used for the study reason.

#### • HYPOTHESIS :

Null hypothesis:

There is no relation between doctors’ perception and Fanapt.

#### • ALTERNATIVE HYPOTHESIS:

There is a relationship exist between doctor’s perception and Fanapt

### V. DATA ANALYSIS AND INTERPRETATION

Table 1. Awareness of Fanapt used in psychiatric treatment?

particulars	No. of respondents	Percentage (%)
YES	30	60%
NO	20	40%

From the above table it is observed that 60% of doctors are aware of Fanapt and 40% are not aware of Fanpt(which is used in psychiatric treatment).

Table 2. Medium through which respondents came to know about Fanapt?

particulars	No. of respondents	Percentage (%)
MR	10	20%
ADDS	8	16%
Reference	10	20%
Others	22	44%

From the above table it is observed that 20% of the respondents came to through MR, 16% of the respondents through adds, 20% of respondents through reference and 44% of respondents through other media

Table 3. Are respondents recommending the tablet for their patients?

particulars	No. of respondents	Percentage (%)
Yes	22	44%
No	28	56%

From the above table it shows that 44% of the respondents recommend the tablet and 56% of the respondents do not recommend the tablet.

Table 4. Since how long years are respondents recommending this product or tablet?

particulars	No. of respondents	Percentage (%)
0 years	22	44%
1-5 years	20	40%
5-10 years	8	16%
10 & above years	0	0%

From the above table it is observed that 44% of the respondents recommend the product less than a year, 40% of the respondents are recommending the tablet between 1-5 years, 16% of the respondents have been recommending between 5-10 years and 0% of respondents recommend 10 years and above.

Table 5. Does Fanapt helps in psychiatric treatment?

particulars	No. of respondents	Percentage (%)
Yes	44	88%
No	6	12%

From the above table it is clear that 88% of the respondents say that Fanapt helps in treatment of psychiatric problem and 12% of respondents say that Fanapt does not help in the treatment of psychiatric problem.

Table 6. Is Fanapt available in respondents' clinic medical store?

particulars	No. of respondents	Percentage (%)
Yes	20	40%
No	30	60%

The above table shows that 40% of the respondents have Fanapt at their clinic medical store and 60% of the respondents do not have Fanapt at their clinic medical store.

Table 7. Have respondents faced any problem after recommending the Fanapt drug?

particulars	No. of respondents	Percentage (%)
Yes	8	16%
No	42	84%

From the above table it shows that 16% of the respondents faced problem after recommending the drug and 84% of the respondents did not face any problem after recommending the drug

Table 8. Will respondents recommend this drug to other respondents(doctors) for psychiatric treatment?

Particulars	No. of respondents	Percentage (%)
Yes	34	68%
No	16	32%

From the above table it shows that 68% of the respondents will recommend the drug to other respondents for the psychiatric treatment and 32% of the respondents do not recommend to other respondents

Table 9. Is the packaging of the drug good?

Particulars	No. of respondents	Percentage (%)
Yes	34	68%
No	16	32%

From the above table it shows that 68% of the respondents say that the packaging of the product is good and 32% of the respondents say that the packaging of the product is not good.

Table 10. Is Fanapt financially affordable by everybody?

Particulars	No. of respondents	Percentage(%)
Yes	32	64%
No	18	36%

From the above table it shows that 64% of the respondents say that Fanpt is financially affordable by everybody and 36% of the respondents say that Fanapt is not affordable by everybody

Table 11. Is this product available in all chemest shops?

Particulars	No. of respondents	Percentage (%)
Yes	8	16%
No	42	84%

From the above table it shows that 16% of the respondents say that the product is available in all chemist shops and 84% of the respondents say that the product is not available in all chemist shops.

Table 12. Are respondents satisfied with proportion of drugs (contents) used in Fanapt?

Particulars	No. of respondents	Percentage (%)
Yes	14	28%
No	36	72%

From the above table it shows that 28% of the respondents are satisfied with the proportion of drugs used in Fanapt and 72% of respondents are not satisfied with the proportion of drugs used in fanapt.

Table 13. Presently ingredients of Fanapt are potassium chloride and potassium carbonate(0.5g), succinic and pentitic acid(0.6g). do respondents want any changes?

Particulars	No. of respondents	Percentage (%)
Yes	22	44%
No	28	56%

From the above table it shows that 44% of respondents do not need changes and 56% of the respondents need changes in ingredients of Fanapt

Table 14. Which content may cause adverse affectin the tablet?

Particulars	No. of respondents	Percentage (%)
Potassium chloride and	22	44%

potassium carbonate		
Succinic and pentitic acid	10	20%
Trolomine	6	12%
All the above	12	24%

The above table shows that 44% of the respondents say potassium chloride and potassium carbonate cause adverse affect, 20% of the respondents say that succinic and pentitiac acid cause adverse affect, 12% of the respondents say that troloamine cause adverse affect and 24% of the respondents say that all the mentioned contents cause adverse affect

## VI. CONCLUSION

From the study “Doctors’ perception towards Fanapt” we come to know that Fanapt is the best product to the psychiatric treatment than any other substituents. Fanapt is available at very reasonable price so the treatment would be cost-effective. Doctors also refer the Fanapt to other doctors for the psychiatric treatment to their patients. Doctors do not face any of the problems during the treatment by using Fanapt.

## REFERENCES

- [1] WEBOLOGRAPHY:  
www.choruslabs.com  
www.google.com  
www.wikipedia.com
- [2] Andreasen NC, Arndt S, Alliger R, Miller D, Flaum M. Symptoms of Schizophrenia. Methods , meanings, and mechanisms. Arch Gen Psychiatry. 1995 may;52(5):341-51.
- [3] Brune M. Emotion recognition, ‘theory of mind’ and social behaviour in schizophrenia. Psychiatry res. 2005 Feb;
- [4] Brekke J,Green MF. Biosocial pathways to functional outcome in schizophrenia. Schizophr Res 2005 Dec 15;
- [5] Barch DM, Smith E. the cognitive neuroscience of working memory: relavance to CNTRICS and schizophrenia. Biol Psychiatry. 2008 july 1;