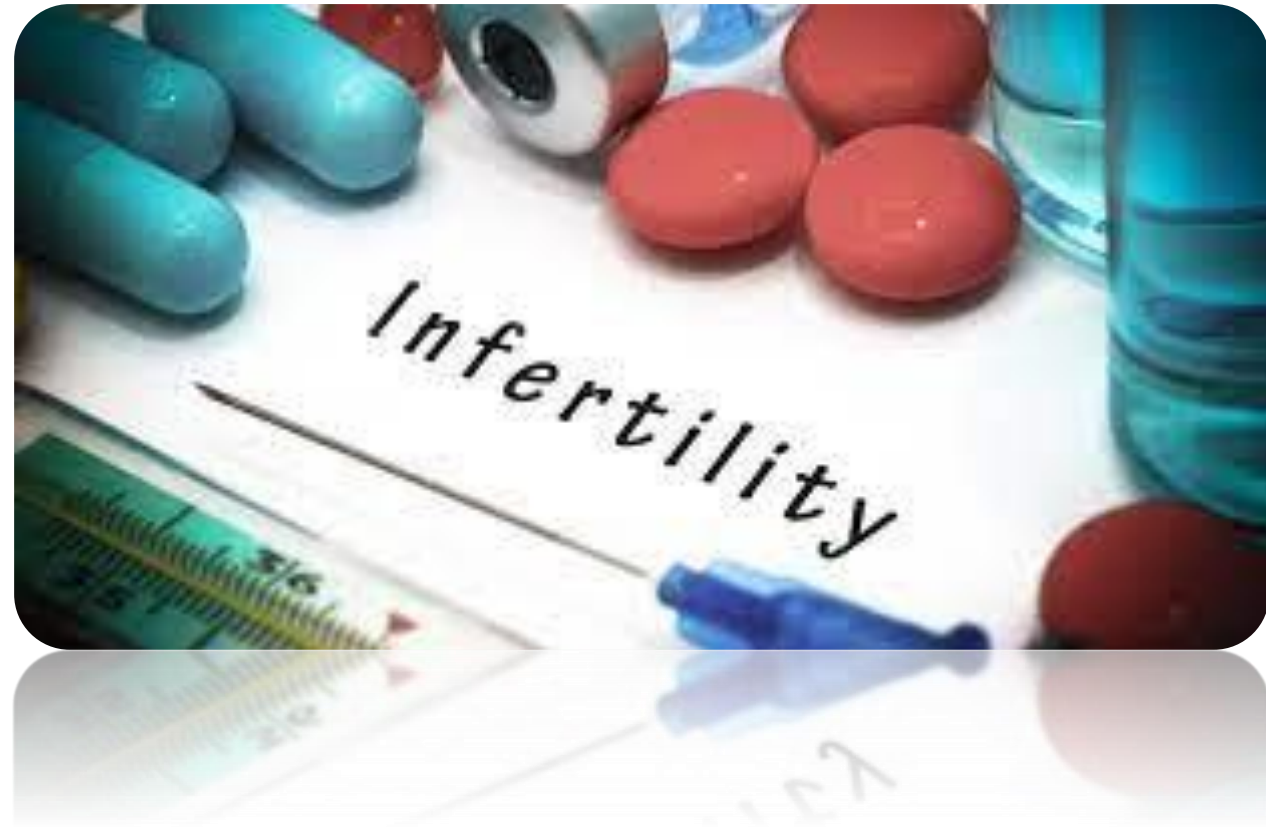


MARKET GROWTH EVALUATION AND COMPARISON OF DRUGS FOR INFERTILITY IN MEN AND WOMEN



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INTRODUCTION

- Infertility is the biggest key issue in our country and it will be growing on day-to-day basis. The pharmaceutical industry has witnessed significant advancements over the past few decades, particularly in the field of Gynecology and Infertility methods.
- Overall If you see Gynecology Plus Hormonal Market will be around 14000 Cr and growing @ 23%. Infertility Drugs Market will be growing more than 30% in India and become fastest growing market in Gynecology segment.

OBJECTIVE:-

1. To assess market and possible challenges marketing of Infertility

Drugs available in market.

2. To identify and categorize different types of Brands of Infertility

Drugs available in the market.

Market study of top brands of drugs for male infertility

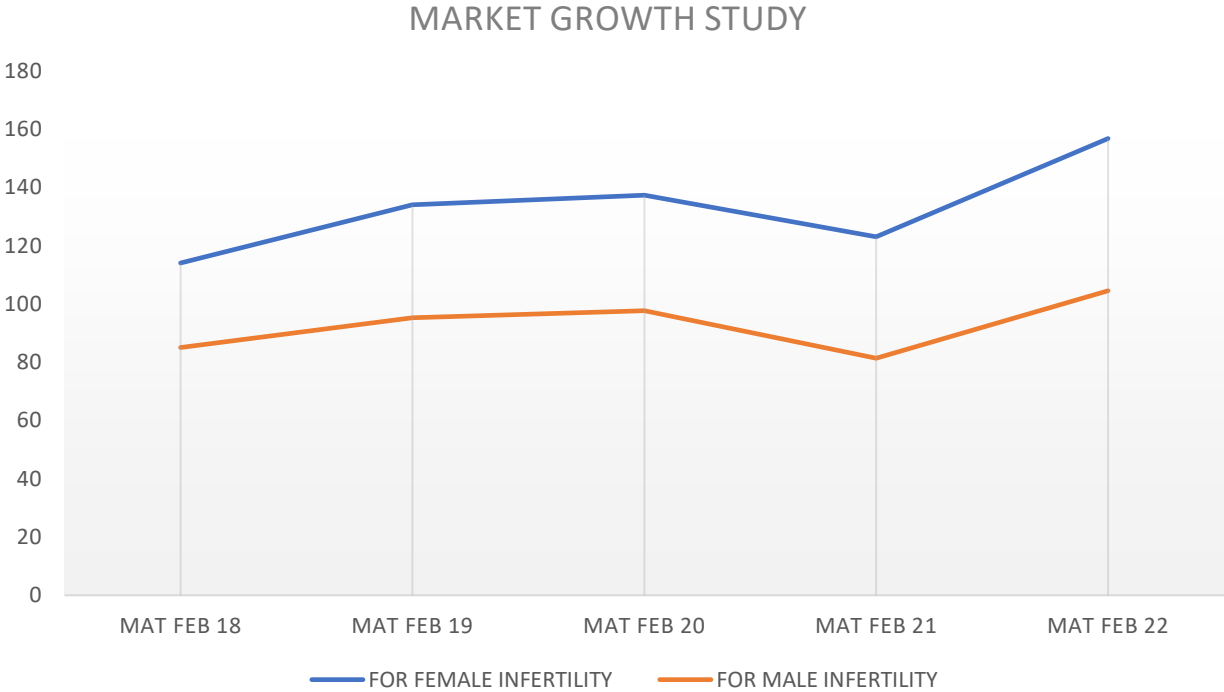
		Values					
BRANDS	COMPANY	MAT FEB'20	MAT FEB'21	MAT FEB'22	MAT FEB'23	MAT FEB'24	Percentage growth
FERTISURE-M	SUN*	18.46	19.46	18.90	17.21	21.42	24%
LINEATOR	AKUMENTIS	8.15	11.19	11.40	8.53	13.65	60%
MAXOZA-L	SUN*	13.62	13.89	12.93	10.15	12.20	20%
PATERNIA-XT	ZYDUS CADILA*	6.01	7.56	9.24	8.69	11.08	27%
KQ-100	SERUM INSTITUTE	8.14	8.30	8.77	8.15	10.88	33%
NANO-LEO	JB CHEMICAL	11.38	12.62	11.93	7.43	8.98	21%
LYCO-Q 100	TTK	4.37	3.90	4.36	4.28	5.28	23%
ERACT-X	ZYDUS CADILA*	0.00	2.01	4.57	3.73	4.12	10%
ASTHOQUE	LA RENON	3.93	3.90	3.34	2.73	3.81	39%
FERTIHOPE	TABLETS INDIA	1.41	1.78	2.07	2.17	2.50	15%
TOTAL		85.01	95.29	97.62	81.35	104.50	28%

Market study of top brands of drugs for male infertility

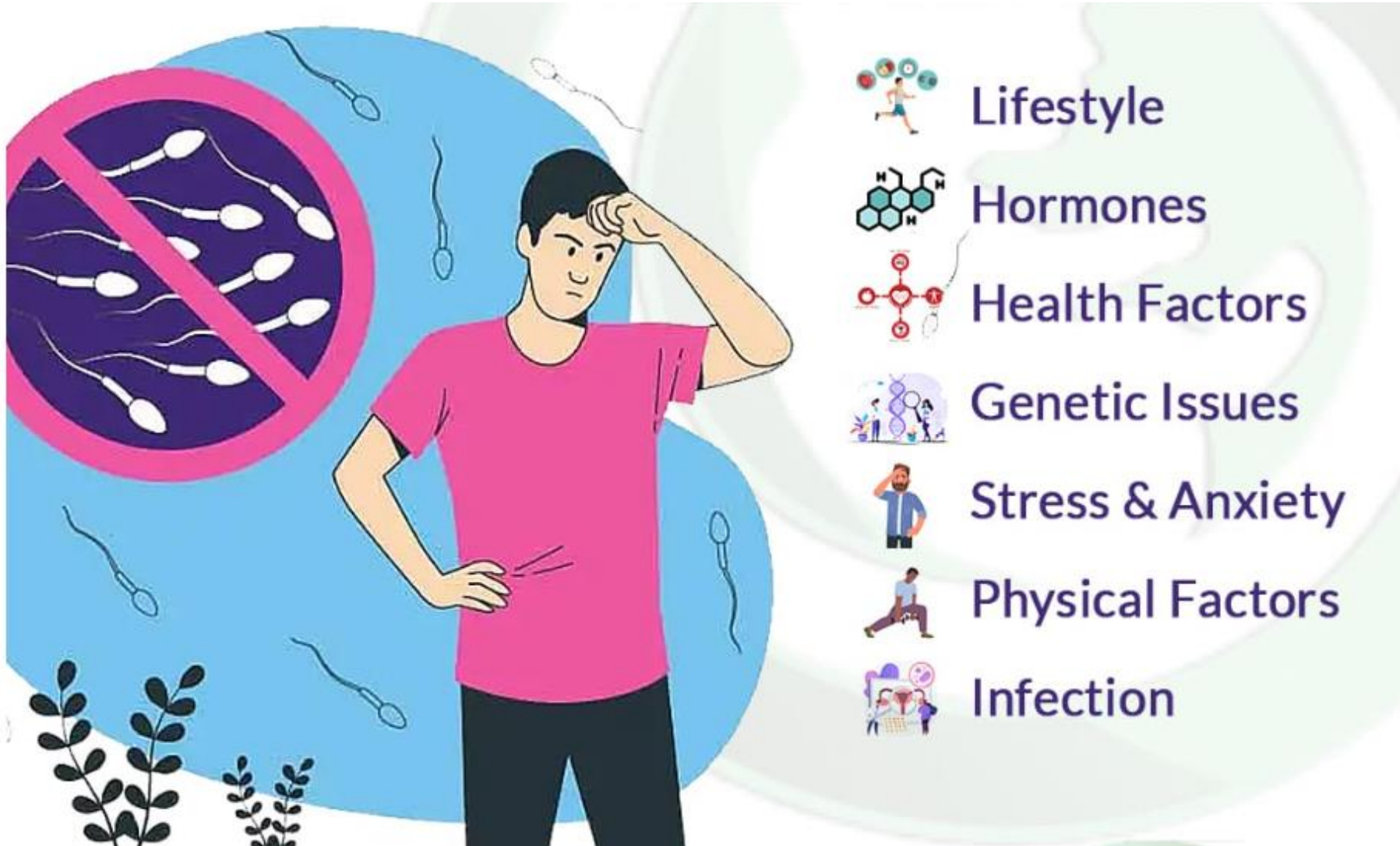
		Values					
BRANDS	COMPANY	MAT FEB'20	MAT FEB'21	MAT FEB'22	MAT FEB'23	MAT FEB'24	Percentage growth
NORMOZ	SUN*	25.31	29.92	33.59	29.40	37.88	29%
OVACARE	MEYER	16.94	19.53	21.47	21.97	24.67	12%
FERTISURE-F	SUN*	20.60	23.54	23.48	21.36	24.59	15%
LYCORED	JAGSON PAL	9.36	10.55	10.86	11.94	14.67	23%
APCOD-OBIS	SHIELD	6.68	10.90	9.89	7.67	8.08	5%
FERTYL-F	AR EX	0.00	0.00	0.00	2.56	7.44	191%
CHIROCYST	TTK	2.99	3.91	4.00	3.98	5.75	44%
FERPILL-F	INTAS	2.64	4.07	5.28	4.47	4.72	6%
PCO CARE FORTE	AKUMENTIS	1.13	1.28	1.43	1.23	2.46	100%
CERVIFERT	AKUMENTIS	1.71	2.02	2.35	1.71	2.44	42%
TOTAL		114.03	133.99	137.33	123.00	156.74	27%

The growth of market of infertility drugs is evaluated by using the below shown graph and data-

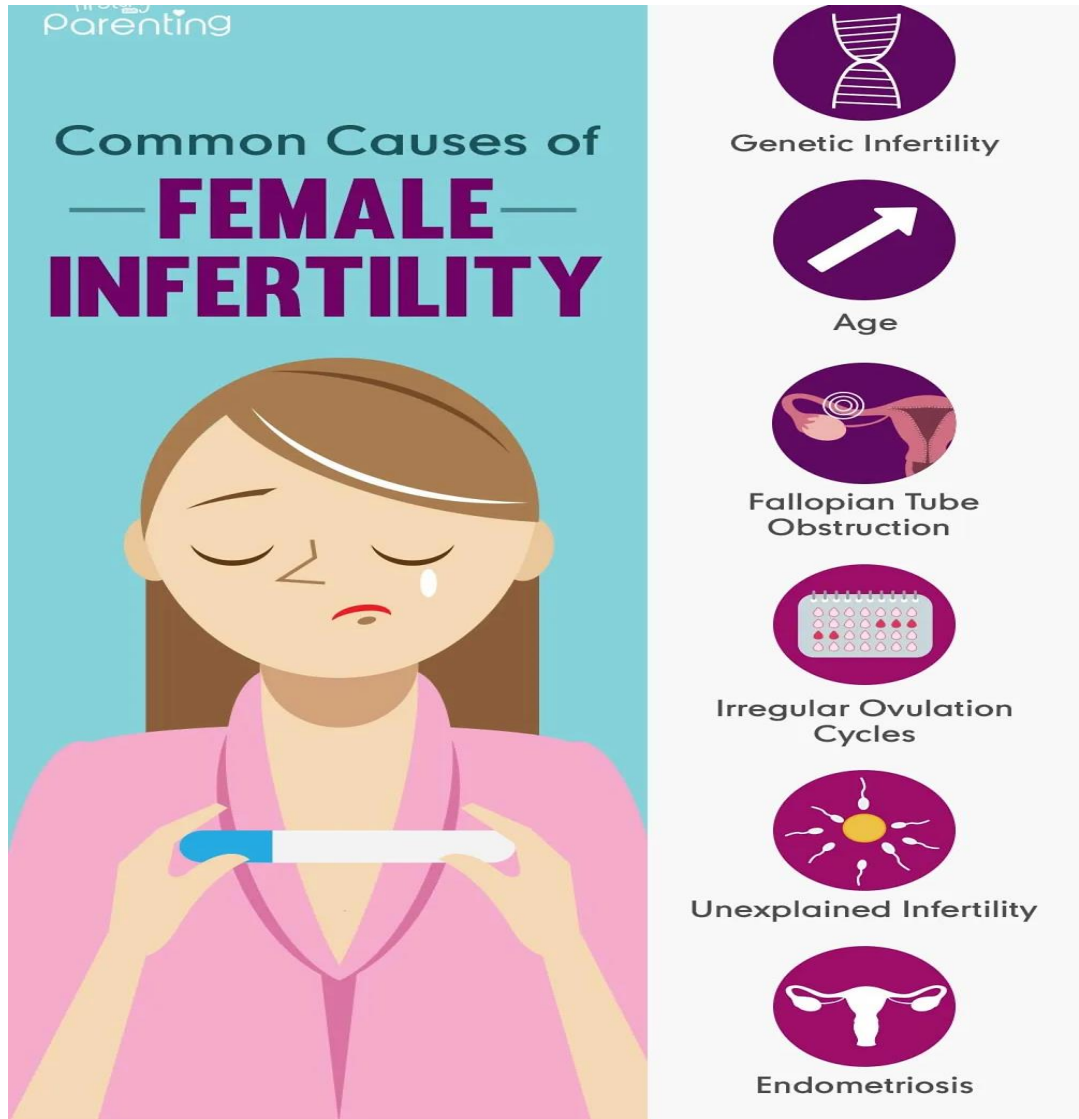
	MAT FEB 20	MAT FEB 21	MAT FEB 22	MAT FEB 23	MAT FEB 24
FOR FEMALE INFERTILITY	114.03	133.99	137.33	123	156.74
FOR MALE INFERTILITY	85.01	95.29	97.62	81.35	104.50



Common Causes of male infertility:



Common Causes of female infertility:



Infertility tests

Male

- General physical examination
- **Semen analysis:** Semen sample to be provided by masturbation or interruption of intercourse, and ejaculation of semen into provided container. The sample is tested for sperm count, motility, morphological characteristics and infection.
- **Genetic testing:** This test is to identify the genetic cause of infertility and semen sample for DNA abnormalities
- **Hormone testing:** It is done to check testosterone levels and other male hormones
- **Testicular biopsy:** This is done to retrieve sperm for assisted reproductive techniques if needed
- **Imaging:** ultrasound (scrotal or transrectal), MRI, bone mineral density scan, or vasography as needed

Female

- General physical examination.
- Genetic testing if needed
- Blood and urine tests at different times to check for various hormones including FSH, LH, progesterone, thyroid hormones
- Ovulation testing
- Hysterosalpingography test. A Liquid die is injected through the vagina into the uterus and area x-rayed to check fallopian tubes and uterus
- Transvaginal ultrasound
- [Hysteroscopy test](#). Thin, flexible camera-mounted scope is inserted through the cervix into the uterus
- Laparoscopy where a small cut is made in the belly and tools and/camera inserted to correct possible problems

Indian report on infertility: ACC. To TOI

- In India 27.5 million couples actively seeking children suffer from infertility.
- India has a population of as many as 27.5 million infertile people, including men and women, according to the Indian Society of Assisted Reproduction.
- One in every fifteen Indian couples struggles with infertility.
- The issue is exacerbated by late marriages, demanding lifestyles, obesity, excessive consumption of fast food, smoking, drinking, and drug addiction.
- Around 20% of known cases of infertility contain defective sperm, while 40–50% are primarily caused by abnormalities of the female reproductive system

10% - 15%
of married couples
affected by
infertility

**27.5 million couples suffer
from infertility in India**



40% - 50%
attribute to female
factors



30% - 40%
attribute to male
factors



RESULT:

- On performing the study, it was seen that as the prevalence of infertility is increasing day by day, so is the need for drugs for infertility.
- The most common of all is the changing lifestyle of the people. The diet nowadays is not up to the mark. Along with this westernization has led to increase in consumption of alcohol and smoking which thereby decreases the fertility rates.
- The need of combinations for infertility. For the ideal composition to support fertility in both men and women was found by comparing the formulas of top and reference brands.
- This study proved beneficial for the company- Solderma Pharmaceuticals Pvt Ltd as the company had to launch combinations for infertility. This study helped the organization to come to a decision for deciding the composition of their products named- GYNOFERT F and GYNOFERT M for female and males fertility combinations

Conclusion

The market for infertility drugs is poised for substantial growth. By understanding the factors influencing the market performance of drugs for male and female infertility, stakeholders can develop strategies to drive market expansion and improve patient access to these life-changing treatments.

