

BASANT, A Marvellous Polyherbal Formulation that Cures Abnormal Vaginal Discharge Restoring Healthy Vagina, It Prevents Sexually Transmitted Infections such as Gonorrhoeae, and HIV and eliminates HPV Preventing Carcinoma of Cervix

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Abstract

While working at the All-India Institute of Medical Sciences, I learnt that a fairly large number of women suffer from abnormal vaginal discharge. Can anything be done to restore a healthy vagina?

We developed a Polyherbal formulation employing Curcumin (diferuloyl methane), Aloe vera, purified extracts of Amla (*Embolica Officinalis*) and Neem (*Azadirachta Indica*) along with pharmacopially approved excipients. This formulation was named BASANT, which in India is the spring season. Curcumin is an important ingredient of the formulation besides others, and it has yellow hue

Keywords: polyherbal; vagina; gonorrhoeae; HIV; HPV; carcinoma; cervix

Introduction

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excipients [1]. This formulation was named BASANT, which in India is the spring season. Curcumin is an important ingredient of the formulation besides others, and it has yellow hue.

Figure 1 shows the transformation of the vagina of a woman suffering from abnormal vaginal discharge. The vaginal pH came down from 5 and above to normal 4.5. The formulation also exercised spermicidal action and the woman need not use any contraceptive device as and when she is using BASANT.

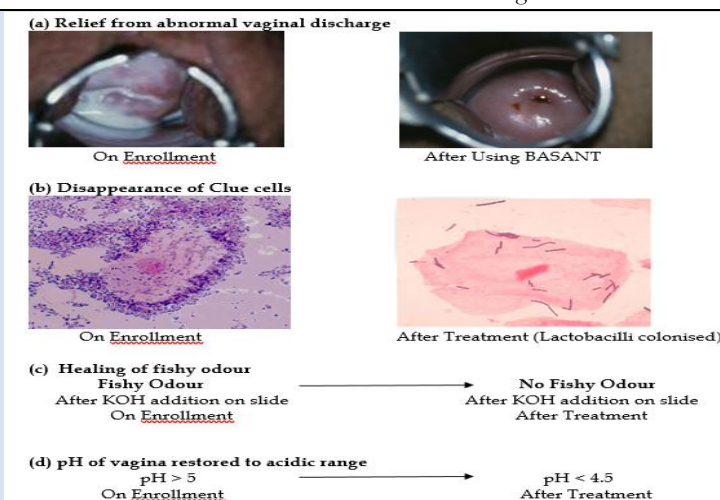


Figure 1: An illustrative representation of a typical woman suffering from recurring episodes of Vaginosis (2).

Standard WHO strains	Antibiotic resistance	Growth at different concentrations (v/v) of Basant after 24 h			
		5%	2%	1%	0%
N. gonorrhoeae WHO-C	None	-	+	+	
N. gonorrhoeae WHO-G	Tetracycline (TRNG), nalidixic acid	-	-	-	+
N. gonorrhoeae WHO-K	Penicillin (PPNG), nalidixic acid, ciprofloxacin, ceftriaxone less sensitive	-	-	+	
N. gonorrhoeae WHO-L	Penicillin (PPNG), nalidixic acid, ciprofloxacin, ceftriaxone less sensitive	-	-	-	+
N. gonorrhoeae 1586	Nalidixic acid, ciprofloxacin	-	-	-	+
N. gonorrhoeae 1669	Nalidixic acid, ciprofloxacin	-	-	+	+
N. gonorrhoeae 1794	Nalidixic acid, ciprofloxacin	-	-	+	+
N. gonorrhoeae 2182	Nalidixic acid, ciprofloxacin	-	-	-	+
N. gonorrhoeae 2436	Penicillin (PPNG), tetracycline (TRNG), nalidixic acid, ciprofloxacin	-	-	-	+
N. gonorrhoeae 2482	Penicillin (PPNG), nalidixic acid, ciprofloxacin	-	-	-	+
N. gonorrhoeae 2676	Penicillin (PPNG), tetracycline (TRNG), nalidixic acid, ciprofloxacin less sensitive	-	-	+	+

Table 1: WHO strains of *Neisseria gonorrhoeae* inhibited by BASANT (1).

Studies on inhibition of HIV were carried out by Gustavo Arlington, USA and Manoj Pastey at the University of Doncel at CONRAD Eastern Virginia Medical School Oregon, USA. Table 2 and Figure 2 show their findings.

Basant Dilution	% Inhibition by p24 assay in	
	CEM-GFP cells	P4 cells
1:1000	98	99
1:5000	89	Not calculated
1:10000	81	64
1:20000	51	53
1:40000	22	45
1:80000	Not calculated	32

Table 2: Percent inhibition of virus production by Basant in HIV-1 NL4.3-infected CEM-GFP and P4 cells (1).

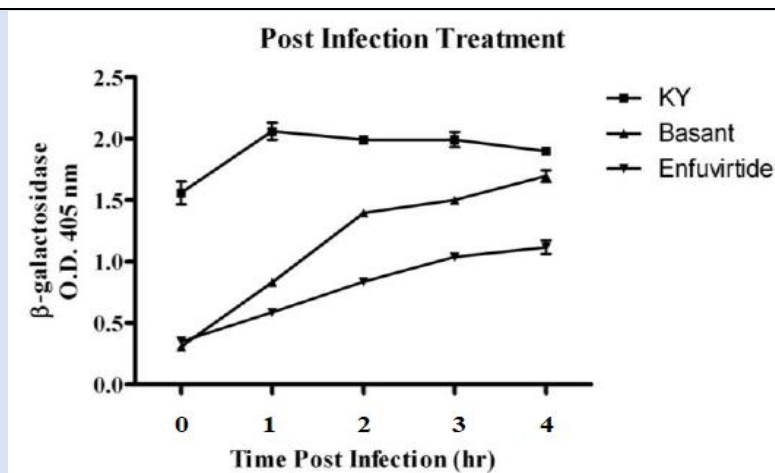


Figure 2: Kinetics of HIV-1 Inhibition by BASANT in comparison to KY jelly and Enfuvirtide. TZM-bl cells were infected with HIV-1NL4.3 and then treated with either KY jelly or Basant or Enfuvirtide, hourly for four hours. HIV-1 Tat dependent β -galactosidase activity was measured at 405nm after two days. Treatment of cells with Basant is effective for up to three hours post-infection. Enfuvirtide continues to be effective at four hours post infection (3).

Human Papilloma Virus (HPV)

Another highly interesting action of BASANT is on HPV-16, which eventually causes Carcinoma of Cervix. Table 3

gives the results in 11 women. Each one of them became negative to HPV after inserting a capsule containing 245 mg of BASANT in the vagina every night for 30 days.

S.No.	Age	Parity	HPV-16 Pre-treatment	HPV-16 Post-treatment
1.	42	3+0	+VE	NEGATIVE
2.	27	4+0	+VE	NEGATIVE
3.	35	3+0	+VE	NEGATIVE
4.	28	1+1	+VE	NEGATIVE
5.	45	3+0	+VE	NEGATIVE
6.	35	4+0	+VE	NEGATIVE
7.	30	2+1	+VE	NEGATIVE
8.	45	2+0	+VE	NEGATIVE
9.	38	5+2	+VE	NEGATIVE
10.	35	3+1	+VE	NEGATIVE
11.	38	3+1	+VE	NEGATIVE

Table 3: Pre and post treatment with BASANT of HPV-16 positive patients (4)

Conclusion

Transfer of BASANT to Industry

Given the full safety and high utility of BASANT to women for curing abnormal vaginal discharge and preventing horrible sexually communicated infections, BASANT was licensed to M/s Bipha Drugs, Pallipurathukavu Jn, Kottayam, Kerala, India. It is sold as Cream as well as Capsules.

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