

Experience from administration of Biobran in patients with HPV.

General

The Human Papilloma Virus (HPV) is a Virus infecting Humans. There are more than 200 types of this Virus, and the most of them can cause warts on our skin without any other problem. Some others thought, can lead to cancer at the cervix, vulva, vagina or anus. HPV can be detected by tests (Pap test) or prevented by particular vaccines.

CIN (Cervical Intraepithelial Neoplasia) is an index that indicates the different stages CIN I, CIN II and CIN III of cancer development.

The Participants and the Protocols

Our experience is based not on an official clinical study but simply following the application of Biobran 250 in order to prevent the development of HPV CIN stage, in a maternity house of Athens. For that, we separated a total group of 150 women, into two (2) different groups of patients, according to their HPV CIN stage and the dosage of Biobran.

At the Group A, administrated 500 mgr per day (2 tablets of Biobran 250) for 3 months while at the Group B the dosage was 1500 mgr per day (6 tablets of Biobran 250) for 12 months, as it seems at the following table.

	Group A	Group B
Dosage:	500 mgr per day	1500 mgr per day
Time of treatment:	3 months	12 months
Stage CIN I	120 participants	0
Stage CIN II	10 participants	12 participants
Stage CIN III	0	8 participants
Patients per Group	130 participants	20 participants
Patients in total	150 participants	

[Table. 1]

The Types of HPV

The main HPV types among the participants were the 6, 11, 16, 18 but some others also from 31, 33, 35, 39, 45, 51, 52, 53, 55, 56, 57, 58, 59 and 68 were presents. We did not calculate or measure thought, the results we have got, on the base of any particular type of them.

Diagnostic Methods and Tests

As a basic diagnostic test for all the participants, was used the "Pap" test.

For the determination of the HPV type and stage, the additional tests of "HPV-DNA PCR", "colposcopy" and "biopsy" were considered as necessary.

Additional Treatment & Techniques

Special laser treatment techniques like conization, used to all the participants for all CIN stages, together with the supplementary Biobran treatment. Additionally, the patients of stage CIN III, were treated also with other conventional therapy.

The Results

Regarding the Group A, after 12 months from the first day of Biobran treatment start up, 118 from the 120 participants with CIN I were totally cured (98,3% not HPV detectable), but only 4 out of 10 with CIN II transitioned to one stage better (40% transitioned from CIN II to CIN I) (tables 2, 3 & 4).

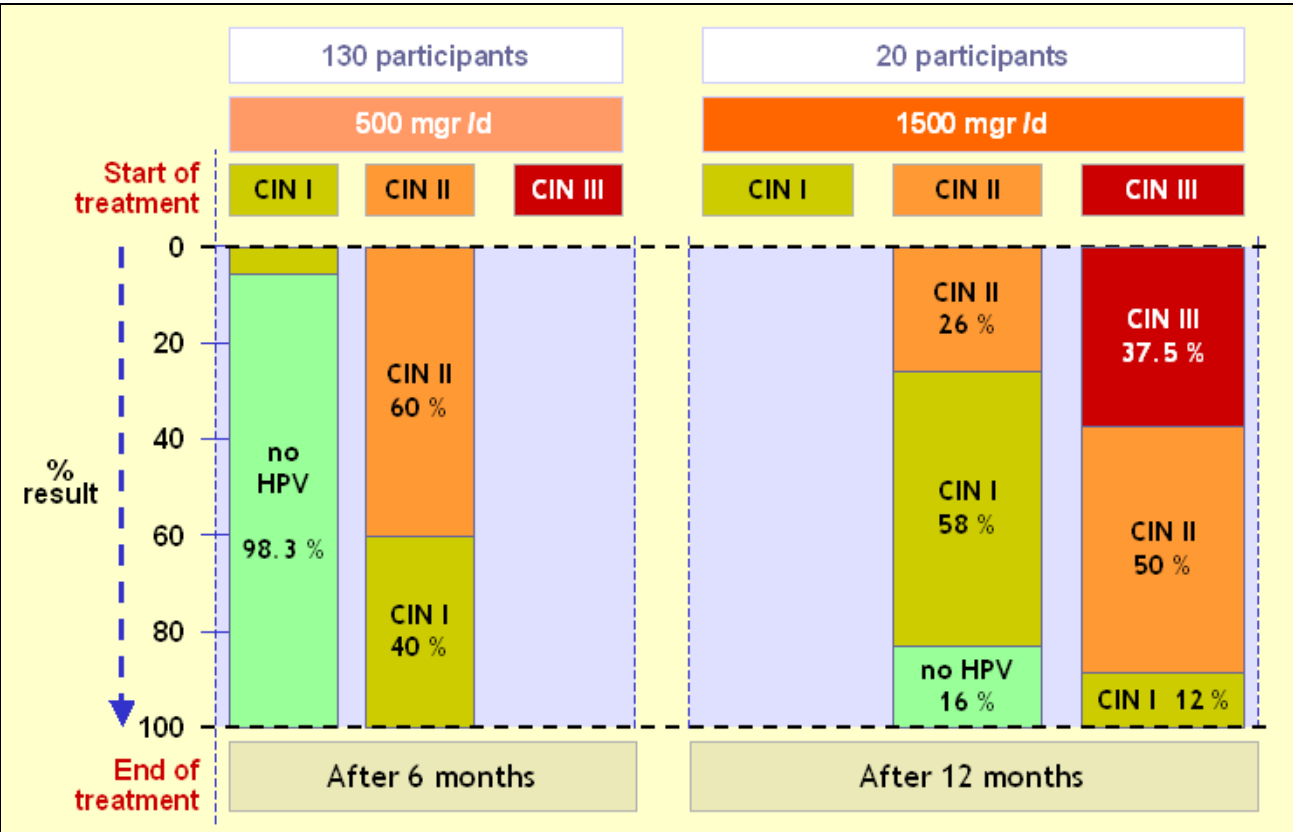
At the Group B, and for the same period of time, we have got 2 participants out of 12 that transitioned from CIN II to CIN I, and 7 that transitioned from CIN II to CIN I (~75% of stage CIN II improved their condition).

As concerns the participants from the stage CIN III, the better results indicated a transition to CIN II (50%), while a smaller part of them (1 out of 8 or 12,5%) finally managed to reach the stage CIN I. No one was HPV free (not detectable was 0%) and 3 (37,5%) remained at the same level of CIN stage (tables 2, 3 & 4).

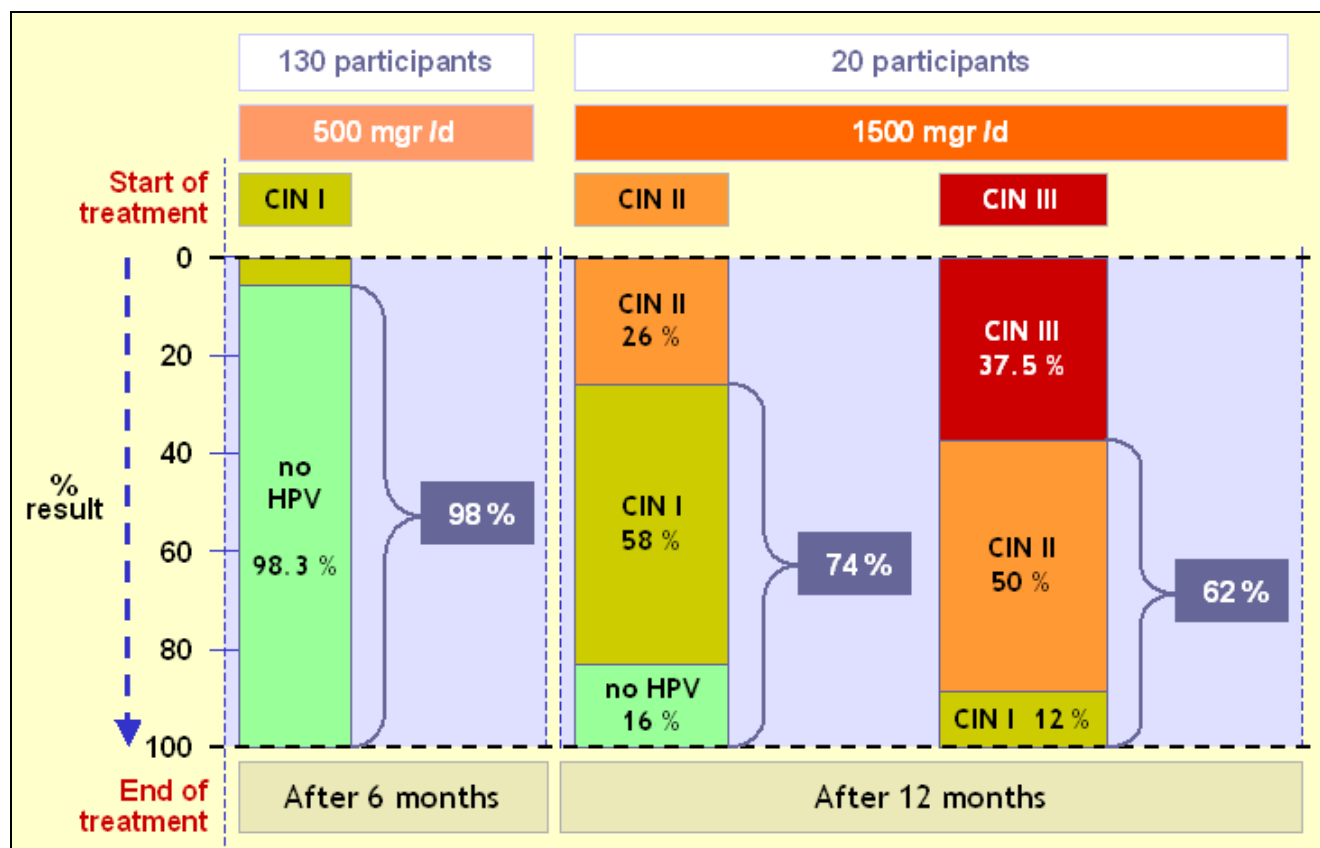
According to the initial CIN stage, the health condition of all the participants, improved at a level of 62% to 98% respectively (table 4).

150 females patients positive to HPV					
	stage	participants	cured	%	HPV test (after 12 months)
500 mgr/d	CIN I	120	118	98.3 %	not detectable
	CIN II	10	4	40 %	Stage CIN I
			6	60 %	Stage CIN II
1500 mgr/d	CIN II	12	2	16.6 %	not detectable
			7	58.3 %	Stage CIN I
			5	25.1 %	Stage CIN II
	CIN III	8	0	0 %	not detectable
			1	12.5 %	Stage CIN I
			4	50 %	Stage CIN II
			3	37.5 %	Stage CIN III
		150	120	80 %	not detectable

[Table. 2]



[Table. 3]



[Table. 4]

Conclusion

Generally, Biobran seems to have a significant positive effect, used as a supplementary treatment on patients with HPV disease.

Particularly, a dosage of 500mgr per day (2 tablets) seems to be enough for patients of stage CIN I, but as concerns the rest stages CIN II & CIN III, a higher dosage (of 1500mgr par day (6 tablets)) can be recommended in order to certainly give better results.