



A Clinical study to evaluate the efficacy of Madhukadya Lauham Choornam and Madhupratisarana in postoperative management of Lagan with special reference to Chalazion.

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Abstract:

In this present era the human life style, habits and environment is dramatically changed. These changes give rise to various eye diseases requiring special attention. The fast food, environmental pollution, dust, working habits like heavy computer work, use of cosmetics and the negligence regarding refractive errors in young generations is more, all that things are hazardous for ophthalmic health given rise to disease like —Lagan (Chalazion).

Madhukadyam lauham choorna & pratisaranath Madhu is selected for the study of its efficacy in post operative management of Lagan/ chalazion.

Keywords: *Lagan, Chalazion, Madhupratisarana, Madhukadya Lauham choorna.*

Introduction:

In this present era the human life style, habits and environment is dramatically changed. These changes give rise to various eye diseases requiring special attention. The fast food, environmental pollution, dust, working habits like heavy computer work, use of cosmetics and the negligence regarding refractive errors in young generations is

more, all that things are hazardous for ophthalmic health given rise to disease like —Lagan (Chalazion)

- Lagan is one of the diseases described by Sushruta Acharya under the heading of VartmagatVyadhis.
- Lagan is the —Kolpraman swelling of eyelid, which is itchy, painless, hard, tense or cystic in nature.
- In modern science the disease described with similar symptoms and it is known with the name —Chalazion.
- Chalazion is a chronic non-specific inflammatory granuloma of the meibomian gland.

Aim:

To study the efficacy of MadhukadyaLauham systemically and Madhupratisaran locally in post operative management of Lagan with special reference to Chalazion.

Material And Method:

For the present study patients were selected from O.P.D./I.P.D. Department of shalakya Tantra of our institute. A detail history of all the patients was obtained. The patients suffering from Lagan were

randomly selected irrespective of age, sex, cast and religion, economical status. A separate case proforma was prepared for the patients to note the signs and symptoms of Lagan before, during, and after treatment. The necessary investigations were carried out to exclude the patients described in rejection criteria. All observation regarding changes in symptoms were recorded on 1st, 3rd, 5th, 7th and 30th days.

Criteria for selection of Patients:

- 1) Both Male and Female
- 2) Patients which is ready to accept our treatment
- 3) Post operative patients of —Lagan/ chalazion were randomly selected irrespective of age, sex, cast and religion, economical status.

Criteria for Rejection of Patients:

- 1) Patient suffering from any systemic diseases like HTN, DM, Asthma, AIDS. Etc.

- 2) Patient suffering from acute or chronic eye diseases like Glaucoma, corneal ulcers, scleritis, etc.
- 3) Known case of allergic to Madhu, Ciprofloxacin, Madhukadya Lauham(or individual Drug)

Sampling method and research Design:

Total 60 patients are selected randomly, irrespective of Age, sex, Group: Study is conducted in 2 Groups. Each group consists of 30 patients. 1. Trial group 30 patients. 2. Control group 30 patients. All the clinical observation taken on 1st, 3rd, 5th, 7th and 30th day of post operative was recorded in tabular form.

Observation and result

VRANA DAAHA

(Burning sensation)

Statistical Value chart for “Vrana Daah” symptom are as follows

Day	x1	x2	p1	p2	p1 - p2	~P	~Q	Z0	Zα/2
1 st	14	16	0.47	0.53	-0.06	0.5	0.5	0.07	1.96
3 rd	05	03	0.17	0.10	0.07	0.13	0.87	0.38	1.96
5 th	11	11	0.37	0.37	0	0.37	0.63	0	1.96
7 th	0	2	0	0.07	0.07	0.5	0.5	0.58	1.96
30 th	3	4	0.10	0.13	-0.03	0.12	0.88	0.38	1.96

VRANA TODA

(Pricking Sensation)

Statistical Value chart for “Vrana Toda” symptom are as follows

Day	x1	x2	p1	p2	p1 - p2	~P	~Q	Z0	Za/2
1 st	11	10	0.37	0.33	0.04	0.35	0.65	0.33	1.96
3 rd	10	10	0.33	0.33	0	-	-	0	1.96
5 th	4	8	0.13	0.27	-0.14	0.4	0.6	1.17	1.96
7 th	7	10	0.23	0.33	-0.1	0.28	0.72	0.90	1.96
30 th	0	4	0	0.13	-0.13	0.07	0.93	2.16	1.96

VRANA KANDU (Itching):

Statistical Value chart for “Vrana Kandu” symptom are as follows

Day	x1	x2	p1	p2	p1 - p2	~P	~Q	Z0	Za/2
1 st	9	14	0.3	0.47	-0.17	0.38	0.62	1.42	1.96
3 rd	6	5	0.2	0.17	0.03	0.18	0.82	0.33	1.96
5 th	2	6	0.07	0.20	-0.13	0.13	0.87	1.62	1.96
7 th	13	11	0.43	0.37	0.06	0.4	0.6	0.5	1.96
30 th	4	3	0.13	0.1	0.03	0.12	0.88	0.38	1.96

VRANA SHOTHA (Oedema):

Statistical Value chart for “Vrana Shotha” symptom are as follows

Day	x1	x2	p1	p2	p1 - p2	~P	~Q	Z0	Za/2
1 st	12	10	0.4	0.33	0.07	0.37	0.63	0.58	1.96
3 rd	02	07	0.07	0.23	-0.16	0.15	0.85	2.00	1.96
5 th	03	06	0.1	0.20	-0.1	0.15	0.85	1.25	1.96
7 th	07	15	0.23	0.50	-0.27	0.37	0.63	2.25	1.96
30 th	02	01	0.07	0.03	0.04	0.05	0.95	0.80	1.96

VRANA LALIMA

(Redness)

Statistical Value chart for “Vrana Lalima” symptom are as follows

Day	x1	x2	p1	p2	$\frac{p1}{p2}$	$\sim P$	$\sim Q$	$ Z0 $	$Z\alpha/2$
1 st	14	14	0.47	0.47	0	0.57	0.53	0	1.96
3 rd	06	03	0.2	0.1	0.1	0.15	0.85	1.25	1.96
5 th	02	03	0.07	0.1	-0.03	0.08	0.92	0.43	1.96
7 th	03	03	0.1	0.1	0	-	-	0	1.96
30 th	06	11	0.2	0.37	-0.17	0.28	0.72	1.55	1.96

VRANA PAAK

(Discharge)

Statistical Value chart for “Vrana Paak” symptom are as follows

Day	x1	x2	p1	p2	$\frac{p1}{p2}$	$\sim P$	$\sim Q$	$ Z0 $	$Z\alpha/2$
1 st	12	14	0.4	0.47	-0.07	0.43	0.57	0.58	1.96
3 rd	0	14	0.23	0.47	-0.24	0.35	0.65	1	1.96
5 th	05	07	0.17	0.23	-0.06	0.20	0.80	0.25	1.96
7 th	07	10	0.23	0.33	-0.10	0.28	0.72	0.42	1.96
30 th	02	02	0.07	0.07	0	-	-	0	1.96

Conclusion:

By analysing all chart statistically we come to conclude that systemic use of Madhukadya Lauham Choorna and Locally Madhu pratisaran is as effective as

systemic and locally use of ciprofloxacin to reduce Vrana Daah, Vrana Toda, Vrana Kandu, Vrana Shotha, Vrana Lalima and Vrana Paak arises after surgical management of Lagan (chalazion).

Discussion:

Spontaneous resolution of Chalazion is rare. If the Chalazion does not disappear then the treatment consists of incision and curettage followed by local and systemic antibiotic.

As a Lagan is a Bhedya and Lekhya vyadhi. Therefore incision and curettage (I & C) is line of treatment. We did I & C and then Madhukadyam Lauham Churna given orally and Madhu is applied over wound by Pratisaran.

Madhukadyam Lauham is Akshirog Prashantkar and hence it acts on all tissues of eye to suppress disease and maintain health of normal tissue along with that Madhu is very well known by its Ropan property and it reduces the symptoms like Daah, Toda, Lalima, Paak, which are there after I & C.

Madhu prevents or decreases post operative chances of infection by its antiseptic activity (Ropan Karma). As it is Vranropak, it helps in post operative rapid wound healing and Madhukadyam Lauham as a shothahara, it reduces surgical oedema (Shotha) and also helps to reduce post operative pain due to dedanaharan and local lubricating activity of Madhu.

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