

Formulation and Evaluation of Anti-Hemorrhoids Herbal Tablets by using Curry leaves

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ABSTRACT:

Hemorrhoids also called as piles, are swelling and inflammation on the rectum and Anus area so it cause irritation and discomfort bleeding from the rectum area. Hemorrhoids are caused by bowel movements, obesity and fiber contain intake less amount. In the presence study I have made, Anti-Hemorrhoids Herbal tablet using a drug like curry leaves, Triphala guggul, triphala, musta, kutaki, sunth, Nagkeshar, YashtimadhuErand tail .It is use as Anti-hemorrhoids .Hemorrhoids can develop from increased pressure due to specially on the toilet time.then it time increase a unlimited pain on the its place .and it also cause by the sitting at one place for the long time, it cause a irritation on the rectum area. Hemorrhoids are inflammation on the rectum area it cause irregular bleeding and abnormal pain on its area .and person having a constipations. hemorrhoids happen where is break downward displacement of structures of internal anal cushions when the supporting structures of anal cushions become weak. Some common cause hemorrhoids disease are include like a: 1) Dry stool during constipation time.2) Straining to pass hard.^[1-4]

Key words: Hemorrhoids, Anti-hemorrhoids, Herbal drug, Herbal drugPowder, Herbal tablet

I. INTRODUCTION:

Hemorrhoids are the very major disease in human body. According to United State department of health and human services 75(Percent) people are hemorrhoids patient. It cause by the hemorrhoid's can develop from increase pressure in the lower rectum due to straining during bowel movement, seating for long periods of time especially on the toilet, obesity or pregnancy.

Herbal tablets are prepared to relieves a pain of hemorrhoid's, stop the inflammation of rectum cavity, stop the bleeding through the rectum, help to the digestion without pain, work on

remove muscles and it's have a laxative properties also. Herbal tablets are solid dosage form. The Curry leaves powder are main ingredient and triphala guggul and Hellebore have Anti – Inflammatory properties, Triphala use for remove Constipation and prevent hemorrhoid's developing, Nut-grass and Nagkeshar use for the stop bleeding and digestion help Ginger dried powder and Licorice use for the relieve pain and burning sensation also hastening of tissues, Castor oil use for remove muscle and it have laxative property also.

Anti-Hemorrhoid's herbal tablet powder was evaluated by different parameters such as physical appearance, moisture content test, swelling index, bulk density and Tripos of angle and herbal tablets evaluated by different parameters such as physical parameters, weight variation, hardness of tablet, friability test, disintegration test, dissolution test, etc.^[1-4]

II. MATERIAL AND METHODS^[5-7]

COLECTION OF MATERIAL:

Curry leaves, Triphala powder, Nut-grass flowers, Ginger rhizomes, Hellebore roots, Nagkeshar fruits, Licorice root, Castor seeds, Triphalaguggul gum, are collected from medicinal garden and some collected from local market. Methyl paraben and starch powder collected from laboratories.

Method^[8-10]

For powder firstly take curry leaves and wash in fresh water dried at room temperature for 2 to 3 weeks and grind in mixer and passed through sieves no.80 and obtained smooth texture powder. Similarly, all drugs powders by same method.

Add a castor oil in above powder mixture with continuous trituration, to make first formulation similarly, prepared all formulations in same method (F1, F2, F3, F4, F5).

Herbal Drugs and Their Uses:(3,4)

Sr.No	Name of Herbal Drugs	Uses
1	Curry leaves	Constipation
2	Triphalaguggul	Anti-inflammatory
3	Nut –grass	Stop bleeding
4	Triphala	Prevent hemorrhoid developing
5	Castor oil	Laxatives
6	Hellebore	Anti-inflammatory
7	Ginger	Release pain
8	Nagkeshar	Analgesic
9	Liquorice	Anti-inflammatory

Herbal Drug Powders:



Fig.1 Herbal Drug Powders

Pre-Evaluation of Herbal Powder ^[12-13]

Sr.No	Test	F1	F2	F3	F4	F5
1	Colour	Light Brown	Light Green	Light Green	Light Green	Light Green
2	Odour	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter
3	Taste	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter
4	Bulk Density	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
5	Moisture content	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
6	Swelling Index	No swelling	No swelling	No swelling	No swelling	No swelling

Formulation Table:

Sr.No	Name of Drug	F1	F2	F3	F4	F5
1	Curry leaves	3gm	4gm	5gm	4gm	6gm
2	Triphalaguggul	1.5gm	2gm	4gm	2gm	2gm
3	Nut –grass	1.5gm	2gm	1gm	2gm	2gm
4	Triphala	2gm	2.5gm	1gm	2gm	4gm
5	Castor oil	3 Drops	3 Drops	5 Drops	10 Drops	4 Drops
6	Hellebore	25mg	35mg	50mg	25mg	25mg
7	Ginger	1gm	2gm	1gm	2gm	1gm
8	Nagkeshar	1gm	2gm	2gm	2gm	3gm
9	Liquorice	2.5gm	3.5gm	2gm	2gm	1gm

Formulation of Herbal Tablet:

- Add required quantity of all Herbal powder in a motor and pestle, mixed completely.
- Then add required drops of Castor oil and properly mix well, after the proper mixing add Methyl paraben as preservative and Starch as a binding agent.

- Compressed the powder in tablet compression in Rotary Tablet Machine and dye 10mm size.
- To form circular herbal tablets



Fig.2.Herbal Tablet

Evaluation Parameter of Herbal Tablet ^[9,11]

Sr.No	Test	F1	F2	F3	F4	F5
1	Colour	Light Brown	Light Green	Light Green	Light Green	Light Green
2	Odour	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter
3	Taste	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter	Slightly Bitter
4	Tablet Variation	270 mg	240 mg	260 mg	260mg	250 mg
5	Hardness	2kp	1.5kp	2kp	2.5kp	3kp
6	Friability	3.5 %	5.5%	7.5 %	4 %	4%
7	Disintegration Test	55 Sec	1 min	1 min	1.5 min	1.30 min

III. RESULT AND DISCUSSION:

The Anti- Hemorrhoid's properties are present in this all plants it clear in present study. These tablets work as anti-Hemorrhoids confirmed by using different parameters.

The Natural ingredients are previous gift nature give to mankind. Now a day herbal Medicine have a large demand and people accept it to the best.so that, I tried my level best and prepared an Anti-Hemorrhoids herbal tablets mixing of different powders.

I have prepared five formulations, F1, F2, F3, F4, and F5. Formulations F5 is better than F1, F2, F3, F4 because it has a good dissolution rate, ability, disintegration time, friability, color of formulation was light green. It gives a better result.

IV. CONCLUSION

It formulations is solid dosage form and easy to administer. By using curry leaves powder, triphala guggul, triphala, nutgrass, castor oil, hellebore, licorice, nagkeshar, ginger. All ingredients shows a effective activities based on

results and discussion and its stable in all temperature. It can safely use.

It used to stop bleeding, work on muscle, digestion, stop irritation, pain or stop burning the developing of piles, it shows anti-inflammatory, constipation, and laxative property.

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