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MANAGEMENT OF KHALITYA BY AYURVEDA: A REVIEW

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ABSTRACT

Hair is an important component of the body derived from ectoderm of skin. It has great psycho-social significance for people. Now-a-days, hair fallis a common cosmetic issue affecting our society especially young adults. Healthy, good looking, black hair makes a person externally attractive. The incidence of "Khalitya" (Hair fall) is increasing day-by-day. It may be due to changing lifestyle, unhealthy dietary habits, sleep disturbances, systemic diseases, medications or stressful life. Hair loss is the most common problem among men and women of all age groups. It is also a socially and psychologically distressing condition for them. Its severity varies from a small bare patch to a more diffuse and obviouspatternaffecting the whole scalp. In Ayurveda, various bahya and Abhyantara Chikitsa is described for the management ofkhalitya(hair fall). Acharya Charaka classified it under Shiroroga. Khalitya is primarily a Pitta dominant Tridoshjanya Vyadhi which can be correlated with Alopecia or baldness. It is a partial or complete loss of hair especially from the scalp. In this article an attempt has been made to review the various procedures and medicines mentioned in Ayurvedic texts for khalitya.

Keywords: Hair,khalitya,Pitta,Tridoshjanya vyadhi,Alopecia.

INTRODUCTION:

Lord Bharma while creating human being has given alluring touch so that his creation could look beautiful and attractive and so were added "Hair on the scalp" as an additive factor of personality. Long & black hair of the scalp adds plus factor to the personality. In addition, healthy looking hair is, in general, a sign of good health and good hair-care¹. In this most advanced era, the humans are gifted with a lot of luxuries but at the same time people are left with sedentary lifestyle, stress induced life, wrong dietary habits& unhealthyschedules. In the present scenariohair fall &Premature graying of hair is a common cosmetic issue, that affects roughly 50% of men and perhaps as many women older than 40 years.² Nearly13% of premenopausal women reportedly have some evidences of androgenic alopecia.³However, the incidence increases greatly in women following menopause, and according to some authors, it may affect 75% of women older than 65 years.³ Today market is full of different types of

hair oils, shampoos, soaps, and many other cosmetic products by the name of Saundarya prasadhana (beauty enhancers) to promote the growth of hair which in turn has made the condition more pathetic. Therefore, to keep the hair healthy is entirely the duty of human beings. Ayurveda being a holistic science has given rich guidance regarding the Dincharya⁴ and Ritucharya⁵Siroabhyanga, Murdha ,Dhoommapana, Kshaurkarma, Ushnisha are some of the routine dharanaand Nasya procedures told in the text for the maintenance of skin and hair. Khalitya is primarily a Pitta dominant Tridoshjanya Vyadhi which can be correlated with Alopecia or baldness. It is a partial or complete loss of hair especially from the scalp.In this present review article work has been done to critically analyzeAyurvedic concept of khalitya & its management to provide satisfactory results society.

MATERIALS AND METHODS

AIMS AND OBJECTIVE -

- 1.To compile literature of *khalitya* from ancient *Ayurvedic* text.
- 2.To review safe and effective management of hair fall in our text.
- 3. To review the concept of *nasya*&various other methods for hair care mentioned in *Ayurvedic* science.
- Acharya Charaka mentions that Tejas by involving Vatadi Dosha when scorches up the scalp, it results in Khalitya⁶.

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- *Pitta* along with *Vata* by involving the roots of hair (*Romakoopa*) causes fall of hair and thereafter *Shleshma* along with Shonita obstructs the channel of *Romakoopa* leading to the stoppage of the regeneration of the hair and this condition has known as *Indralupta*, *Khalitya or Rujya*⁷.
- Acharya Madhavakara has followed the description of AcharyaSushruta⁸.

SYNONYMS OF KHALITYA:

Table no.1 showing synonyms of Khalitya According to Ayurvedic Text

Khalitya	Charaka ,Susruta samhita
Khalati	Charaka samhita,Ashtanga Hridaya
Chacha	Ashtanga Hridaya
Indralupta	Susruta, Bhoja samhita
Keshaghna	Harita samhita
Ruhy	Susruta, Bhoja samhita
Rujya	Ashtanga Samgraha

NIDANA OF KHALITYA:

Nidana can be divided in two aspects.

- 1. Vishesh Nidana
- 2. Samanya Nidana
- 1. Vishesh Nidana In Ayurvedic Literature there is no any clear cut reference regarding the causative factors of Khalitya except Acharya Charaka and Vagbhatta who has mentioned the major factors as followsprakarti⁹, Ksharaatisevan¹⁰, Pitta bhomi,Viruddha Lavanrasa atisevan, Usharaharasevan¹¹, ignorance of Pratishyaya, ¹¹intake of excessive lavana rasa during pregnancy would be result in congenital hair loss (Khalitya)¹², combing hair excessively during the ovulatory period of the mother leads to hair fall in the child. 13
- 2. Samanya Nidana: General etiological factors of Shiroroga can be considered as a etiological factors of Khalitya, which are stated as follows 14

- Vegavidharana (Suppression of the natural urges)
- Asatmya Gandha (Inhalation of unwholesome odours)
- Ama (Undigested or semi-digested food)
- Raja (Dust)
- Dhooma (Smoke)
- Atapa (Heat)
- Hima (Cold)
- Avashyaya (Exposure to frost at night)
- Prajagarana (Waking at night)
- Divaswapna (Day sleep)
- Sheetambu Sevana (The use of very cold water)
- Desha Kala Viparyaya (Abnormal climate and season)
- Atimaithuna (Excessive sex act)
- Prakvata (Facing head winds)
- Manahtapa (Mental affliction)
- *Madya* (Intoxication)
- Rudana (Excessive weeping)

RUPA: As far as *Rupa* (sign & symptoms) is concerned avery little explanation is given in Ayurveda classics. Thus the cardinal symptoms of *Khalitya* are gradual loss of hair. *Ashtang Samgrahakara* has classified *Khalitya* in four types & its symptoms which are as follow: 15

- 1. Vataja Khalitya- In this type, Keshbhoomi appears as Agnidagdha. Harita said Ruksha pandura scalp.
- 2. *Pittaja Khalitya*-The scalp is surrounded by the *Siras* (veins). Sweat may be found all over scalp. *Harita* said red and burnt scalp.
- 3. *Kaphaja Khalitya* The colour of the scalp is more or less same as the colour of skin but here it is *Ghana* and *Snigdha* in appearance. *Harita* said *Snigdha* scalp.
- 4. *Tridoshaja Khalitya* In this type of *Khalitya*, characteristic of all the three *Doshas a*re observed. The scalp looks like burnt skin and it bears nail like appearance.

Acharya Harita has denoted this disease by the name Keshaghna and mentioned one additional type of *Khalitya* that is *Raktaj khalitya*. Pus (Sapaka) is the symptom of *Raktaj khalitya*¹⁶

SAMPRAPTI: According to Acharya Charaka¹⁷, Teja with help of Vatadi doshas scorches the scalp and produces Khalitya. Acharya Sushruta 18 stated in Kshudrarogadhikara, a self-explanatory pathogenesis of Khalitya. The Pitta, provocated by its own factors penetrates into the *Romakoopa* and there it unites with the Vata to shattered in the keshbhoomi. Then the Shleshma along with the Shonita creates an obstruction in the Romakoopa, so as to prevent the growth of new hair in that place. Thus, Acharya Susruta has considered the involvement of all the three Doshas Vata, Pitta and Kapha along with Shonita in the occurrence of Khalitya. Acharya Vagbhatta¹⁹ has clearly mentioned the disease Khalitya among the nine Kapalagat Vyadhis as a subcaption of Shirorogas. He has commensurised with the pathological

approach of *Acharya Sushruta*, but he further adds one main point to this pathogenesis so as to differentiate *Khalitya* from *Indralupta*, that the falling of a hair in *Khalitya* is gradual.

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SAMPRAPTI GHATAKA:²⁰

1.Dosha: Pitta- Pachaka,Bhrajaka. Vata- saman, vyan. Kapha- tarpaka.

2.Dushya :Dhatu-Rasa,Rakta,Asthi. Mala- Sweda, Kesha.

3.Srotasa: Rasavaha,Raktavaha,Asthivaha, Swedavaha, Manovaha.

4.Srotodusti: Sanga.

5.Agni:Jatharagni, Rasagni,Raktagni, Asthyagni.

6.Rogamarga: Bahya.

7. Udbhava Stana: Amashaya.

8.Adhisthana: Keshabhomi

AYURVEDIC MANAGEMENT-

Acharaya Charaka describes that the patient of khalitya should be treated by Nasya, Siroabhyanga & Pralepa on the head along with Samshodhana Chikitsa. ²¹The Samprapti Vighatana of khalitya can be adopted in the following steps.

- 1.Nidana Parivarjana
- 2.Samshodhana Chikitsa
- 3.Samshamana Chikitsa
- 1. NIDANA PARIVARJANA- Acharaya Susruta states that Nidana Parivarjana is the principle of the treatment. 22 Nidana parivarjana in khalitya includes avoidance of all causes mentioned under nidana for Shiro-roga.
- 2. SAMSHODHANA CHIKITSA- It is a main courses of treatment in the management of *khalitya*, Nasya& virechana karma is comes under the samshodhana chikitsa.

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SAMSHODHANA CHIKITSA



Virechana Karma

- a.NASYA- Nasya is the first choice of treatment in khalitya so as said by Acharya vagbhatta, "Nasa hi shirso dwaram" Administration of medicines through the nose is known as Nasya. The medicine given through the nose pervades everywhere in the head and reduces the head diseases. Alongwith Snehana, nasya gives nutrition to hair roots through micronutrients present in oil which penetrates in the scalp & prevents khalitya. There are so many Nasya which is use in khalitya.
- (i) Yastimadhukadhaya tailam nasya²⁵
- (ii)Chandanadhya tailam nasya²⁶
- (iii)Prapoundrarikadhya tailam nasya²⁷
- (iv) Markavadhya tailam nasya²⁸
- (v) Vidarigandhadi tailam nasya²⁹
- (vi) Anu tailam nasya³⁰
- c.VIRECHANA KARMA- As Samprapti of khalitya is pitta pradhana, Virechanakarma is the most suitable Samshodhana chikitsafor the disease which elevates by pitta. This process balances vitiated vata along with kapha dosha.Thus virechan karma by Abhyadi modaka may be useful in management of khalitya. Abhyadi Modak is indicated in palitya (graying of hair), it can also be used for khalitya (hair fall)³¹
- 3.SAMSHAMANA CHIKITSA- The Samshamana Chikitsa of hair involves Rasayana, abhyanga & lepa chikitsa.

SAMSHAMANA CHIKITSA



Bahya Abhyantara Chikitsa

Siroabhyanga Rasayan prayoga

Lepa Chikitsa

Yoga

- 3.SAMSHAMANA CHIKITSA- The Samshamana Chikitsa of hair involves Rasayana, abhyanga & lepa chikitsa.
- (i) RASAYANA PRAYOGA-According to modern science, the specific cause of *khalitya* is autoimmune disease and Rasayana drugs acts as immunomodulators as Acharya sushruta advises Rasayana in Khalitya chikitsa³². As premature hair fall is a sign of early aging process and Rasayana is

the best for reversing aging process means antiageing therapy. Eg *Amalaki rasayana*. 33

- (ii) SIROABHYANGA-It increases the circulation in the scalp & nourishes the hair roots. Thus delays ageing & useful in khalitya.Some of the useful tailas used in Abhyanga are as follow-
 - Bhringaraja tailam.³⁴
 - Nilikadi tailam.³⁵
 - Chitrakadya tailam.³⁶
 - Karanjadi Tailam. 37

- Snuhidugdhadi tailam. ³⁸
- Bhallatakadi tailam. 39
- Shringatakadi tailam⁴⁰

(iii) LEPA CHIKITSA- Lepa is a method of local application where in the paste of herbs is applies to the scalp. It corrects the local cause if any present & provides nourishment to the hair follicles, thereby strengthening the hair roots & improving the quality of hair, making them strong. Following are some lepas mentioned in the Ayurvedic classics for the treatment of hair.

- Gunja lepa.⁴¹
- Hastidanta masi lepa. 42
- Kutannatadi lepa.⁴³
- Bhallatakadi lepa.⁴⁴
- Tilpushpadi lepa. 45
- . Kasisadi lepa with kapith swarasa. 46
- Haridradi lepa with navneeta⁴⁷
- Keshvardhak lepa with madhu & ghrita. 48
- Langali mula lepa with mahish dugdh.⁴⁹
- Dhatura lepa.⁵⁰

4.YOGA

Sarvangasana

Sarvangasana affects Cardio- vascular system (C.V.S), Central nervous system (C.N.S)& Thyroid Gland. Sarvangasana increase blood flow in brain, which nourishes the brain and hair. Due to this it prevents hair falling and promotes growth of new hair. 51

SOME OTHER HAIR CARE IN AYURVEDA-

In *ayurvedic classics*, hair care is discussed. *Ayurvedic* texts suggests some procedures which keep hair healthy and attractive:

- 1. *Moordha Taila* (Application of oil regularly on head-scalp): Adoption of this procedure in routine makes the scalp revitalized, keeps hair healthy, black and firm rooted, induces sleep and keeps away *khalitya* and *palitya*. 52
- 2. *Snana* (Bath): Bathing should be done according to season and geographical distribution, but the overhead bath with hot water should be avoided always.⁵³Pouring warm water over the body bestows strength but the same over the head,makes for loss of strength of the hair and eyes.⁵⁴
- 3. *Dhoomapana* Medicated smoking: Inhalation of medicinal smoke daily cures *khalitya* and *palitya*,

further it also improves the strength of the hair.⁵⁸It improves the firmness of hair on the head, beard and teeth.⁵⁵

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- 4. *Kshaurkarma* (Hair dressing): *Samprasadhana* (proper tying) of hair of scalp and beard should bedone regularly. ⁵⁶*Kesha Prasadhana* (combing the hair) should be done with *Keshaprasadhani* (combs and brushes), daily is good for the hair, it removes dust, lices and wastes. ⁵⁷
- 5. *Ushnisha Dharana* Wearing turban: It protects the hair from wind, heat, dust etc. and is said to be beneficial for hair. ⁵⁸ *Acharya Sushruta* says that the hair should not be stretched with finger, nails nor should be rubbed with force or shaken wildly in wind. ⁵⁹

6.JALOUKA AVCHARANA(LEECH THERAPY)-Some ayurvedic physicans use leech therapy at the bald spot before using the local medications⁶⁰. Astanga Samgrahkara has quoted that application of different types of pralepas should be perform after doing prachhana or Shuchi karma.⁶¹

DISCUSSION

Wrong dietary habits, lifestyle and stressful living, inappropriate nutrition leads to depletion of function of hair root. In Samshodhana chikitsha, Nasya is the first choice of treatment in Khalitya which have Doshagna property, pacify the Doshas responsible for causing Khalitya.Nasya clears the obstruction of the hair roots by its Sookshma srotogaami property leading to the Romakoopa vishodhana⁶². As said by Vridhvagbhatta before applying any types of prelepas over the head we usejalouka, Prachhana and Shuchi karmain the head region, which also clears the obstruction of the hair roots. The Virechanakarma is a specific process for elimination of Pitta Dosha which is Pradhan dosha of Khalitya. This process is also useful for elimination of Vata along with Kapha Dosha. In Samshamana *Amalaki rasayana*⁶³has chikitsa, firtly antioxidant property so it act as a best supplement for rejuvenation& prevent premature hair fall which is a sign of earlyageing process. According to modern science, it is a autoimmune disease and Rasayana therapy acts as immunomodulators inKhalitya.64 Several types of lepa and tailafor Abhyanga(Massage) greatly improve the blood circulation, thus increasing the nutrition of the hair

roots & scalp. At last *Sarvangasana* also increase flow of blood in brain and prevent hair fall.

CONCLUSION

Yukti is very important in proper treatment of any disease. Yukti of medicine depends on matra and kala. 65 Any drug given with yukti brings better result to the patient. From the above discussion, it is clear that drugs and various procedures mentioned in ayurved for the management of khalitya may show good results. Thus, we can conclude that the alternate use of shodhana, shaman, nasya treatment & jalouka can bring satisfactory results in cases of khalitya The Ayurvedic management of Khalitya has a strong possibility to breakdown the pathogenesis of this disease and become a ray of light in the darkness.

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