

**Ayurvedic Approach According To Netravaha Srotasa And
Its Related Eye Diseases**

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Abstract:

Eyes are the windows to the mind. Now-a-days changed work expectations requiring prolonged working hours in front of computers, nutritional deficiency, pollution, stress, indiscriminate use of topical ocular drugs and increased incidence of allergic disorders etc. lead to eye diseases. Out of that some are curable but some are not. So emphasis should be laid on the prevention of these as eye is most important and sensitive of five sense organs in human body. Ayurveda is the first and oldest medical science existing since or before the human creation. Its aim is not only to cure the disease but also to relieve the humanity from all physical, mental, intellectual, or spiritual miseries. The basic principle of Ayurveda is based on Tridosha and in case of eye, Tejas (AlochakaPitta) is considered as the main factor. In this article Ayurvedic view related to cause of NetraRoga (eye diseases) and prevention of NetravahaSrotas especially in form of Pathya and Apathya, Aahara (diet) and Vihara (daily regimen) is discussed.

Keywords: NetravahaSrotasa, Netraroga, AlochakaPitta, ChakshushyaAahara- Vihara.

Aim :

To study the Review of prevention of NetravahaSrotasa and eye diseases as per Ayurvedic approach.

Objectives:

- To understand concept of Ayurvedic approach to prevent NetravahaSrotasa and eye diseases.
- To get knowledge of awareness of eye care.

Introduction:

NetravahaSrotasa including two (2) RoopvahiDhamani and eyes, are greatly valued by ancient Indians and much importance has been given to their protection by saying that all efforts should be made by men to protect the eyes throughout the period of life. For the person who is blind, this world is useless. The day and night are the same, though he may have wealth.' So everyone do every effort for the prevention of eye diseases and NetravahaSrotasa.

Understanding concept of NetravahaSrotasa in modern point of view- :

There are nine (9) BahyaSrotasa according to Sushruta and NetravahaSrotasa (eye) is one of them. There are two (2) RoopvahiDhamani, one (1) in each eye. In VatakalakaliyaAdhyaya of Charaka, function of Vatadosha is described as, 'Sthulanu – Srotasam cha Bhetta'. This is the evidence to say that classification of 'Srotas' into Sthulasrotasa and Anusrotasa existed. There is Srotovaigunya at the site of Dosha-DushyaSammurchana, which initiates a process of disease formation. Manifestation of a disease occurs in the body as a result of the defective Srotasa of the body. Hence, any defect of Srotasa must be corrected quickly for the restoration of normal health.

If it is in the case of NetravahaSrotasa, it may leads to blindness if we neglect our daily Dinacharya and Pathya-Apathya related to eye. So without taking any medicines, we can keep our eyes healthy.

Discussion – Srotasa in Eyes : 2 NetravahaSrotasa with Two (2) RoopvahiDhamani, one (1) in each eye.

Basic Dosha in Eyes :

The basic principle of Ayurveda is based on Tridosha (Vata, Pitta and Kapha) which is responsible for normal functions of body and when vitiated lead to disease. The role of Doshas is different from organ to organ, so etiological factors for vitiation of Doshas are also different for different organs. In the eye Alochaka pitta is considered as responsible factor for visual perception i.e. of all the Mahabhootas, Tejas dominates (in composition of eyes) so the eyes are specially susceptible to Kapha. That's why the factors which are vitiating pitta or Kapha will lead to eye diseases.

Samprapti of NetraRoga:

In Ayurveda, the Acharyas described a generalized Samprapti for all eye diseases. The Doshas vitiated by indulgence in foods and habits particularly harmful to the eyes (AchaksusyaAaharavihara) propagate through the channels (Sira) towards uttamanga (the head) and enter the parts of the eye to produce diseases. In traumatic lesions, vitiation of Doshassucceed the disease.

Causes and Preventive Measures :

According to AcharyaSushruta, measures calculated for the removal of the causative factors of the disease is Chikitsa. On recognizing the possibility of development of disease, a proper course of prophylactic treatment should be given according to the affection of Doshas. Despite the avoidance of the etiological factors, if the disease reaches its Vyakta (manifestation of disease) stage, then it should be treated by counteracting the increased Vata and other Doshas and restoration of the Doshik equilibrium.

Ayurvedic literature lays great stress on the preventive aspect of treatment, more so in ophthalmology because inadequate prophylaxis of the ocular diseases may even lead to blindness. Therefore, the first step in treating a disease should be aimed towards withdrawal of the disease contributing factors. In form of these factors ancient medical scholars prescribed Aahara (specific diet), Aushada (Drugs), and Vihara (Daily regimen). Out of these three, Aahara and Vihara play a central role in the prevention of eye diseases.

Ahara (Dietary Factors) :

सर्वशाकम् अचक्षुष्यं चक्षुष्यं शाकपंचकम् ।
जिवन्तीवास्तुमत्स्याक्षीमेघनादपुनर्नवा ॥

(यो.र.उ. पृ.क्र. ३१५)

Diet is the basis of all functions of the body. The dietary factors which adversely affect the eyes are called as AchakshushyaAahara (Apathya for eyes) and these are as following -

- Sour items like curd, pickles etc., Vidahi and UshanaViryaAahara (hot items) which vitiates pitta.
- VirudhaAharam (like milk with fish, cooled and hot items together).

Adhyasanam (eating before digestion of previous meal) will derange normal digestion mechanism, Dushita Agni which deranges the properties of Raktadhathu and in turn its functional capacity becomes defective. This develops the stage of Abhishyanda which is the initial pathological change in the development of any eye disease.

According to modern science also overeating predisposes to premature ageing which is an impediment to longevity. Now a days the major causes of blindness are cataract, corneal scarring and

retinal diseases (ARMD) which are age related, so intake of restricted diet is advised because it slows not only the rate of ageing but also delays the onset of age related diseases as well as physiological deterioration of various organs and systems. Restricted food intake either

- Increases the efficiency of cellular metabolism or
- May act by lowering the blood glucose levels or
- Decreases the activity of so called free radicals —the toxic by- products of normal metabolism so can prevent from age related diseases.

Pathya Aahara :

The persons who are fond of their eyes healthy should always adhere to the following dietary products like grains such as Yava (barley), Godhoma (wheat), Lohitsali (red rice), shastika, mudaga (green gram) etc. which are old and which mitigate kapha and pitta mixed with more of ghrít(butter fat), vegetables, meat of animals of jangaladesh (meat of animals dwelling in forests), dadima (pomegranate), sita(sugar), saindhava (rock salt), triphala (Terminaliachebula, Terminaliabelerica, Emblicaoflicanalis), draksha (grapes), rain water(i.e. pure cold water) for drinking.

RasayanTherapy :

For the use of triphala, AcharyaVagbhata has advised that triphala along with honey and ghrít(butter fat) should be consumed at nights daily for strengthening of eye sight. Any other things which are good for promoting / maintaining health and cure of eye diseases (ChakshushyaAahara) can also be consumed habitually.

Vihara (Habitual and occupational factors): Certain habits and occupational factors directly influence the eyes. These in turn may lead to eye diseases as:

- Hot water head bath and excessive smoking by vitiating pitta.
- Day time sleep and night awakening by disturbing the normal functions of rods and cones causing eye strain.
- Looking at too small or too distant objects, continuous watching of moving object (TV and computer) reading in moving vehicle or in incorrect posture (i.e. too near or at too distant) putting too much eye strain.
- Suppression of urges especially of nidra (sleep) and ashru (tears) affect the normal function of lacrimal gland and there by moistening of the eye.
- Cold water bath when body is hot and using too high pillows causes circulatory disturbances which in turn affect the mechanism of nutrition and it leads to eye diseases.
- Air pollution and too much light are also the main causative factors of eye diseases. Travelling in high speed vehicles exposes eyes to currents of air and dust particles. Also eyes get tired due to constantly adjust to the changing directions, a cause of traumatic and Vataja diseases in the eye.

So we should try to prevent ourselves from all these leading factors of eye diseases.

To keep the eyes healthy some practices for daily regimen are advised in Ayurveda as - Use of Anjana (Collyrium) -

Anjana is applied by using shalaka. It should be applied from inner canthus to outer canthus. It cleans the human eyes which makes them shine like the bright moon in the clear sky^{1o}. Daily practice of Souveeranjana (as clincharya)^u is advised as best simple ophthalmic medication to prevent eye diseases and to maintain the visual power properly.

Use of Nasya (Nasal Drops)

Specially Anutailanasya (in the form of pratimarsanasya) is advised because it cleans the srotas by its action and in turn prevents the accumulation of vitiated kapha in the srotas of the eye. It plays very important role in delaying aging process so also in age related eye disorders.

Proper sleep -

Sleep is a key part of healthy life style. Daily sleep for 6-8 hrs.is necessary for a normal adult. During sleep eyes retain functional capacity due to complete rest to eyes.

Care of feet -

Regular massage of feet is advised because it is assumed that in the centre of feet (soles) 2 siras are situated which are greatly connected to the eyes. These are vitiated by the accumulation of the mala, assault, trauma from stone or foreign particles and bring about the abnormalities of the eyes. Medicines applied over the feet, feet massage, external application of oil etc. transmit the benefit to the eyes. Hence feet should be kept clean, healthy and away from heat by using foot wear, washing them well and massaging with oil."

Eye wash -

Regular eye wash with Triphala and yashtimadhukwath with the use of eye wash cup is also beneficial for eye health.

Eye exercises -

Movements of both eyes in up-down, sideways (right- left), rotational (clockwise-anticlockwise) directions, followed by palming is very effective in preventing refractive errors.

Shatkarmas -

Neti and tratak are the best for eye among the shatkarma. Neti is performed by a thin thread of 32 angulas, inserting it through one nostril and taking out through mouth. It destroys kaphadosha and gives clear vision." Jalanett (with pinch of salt mixed in luke warm water) is also in practice now a days. Tratak is the continuous looking at some small object till eyes tear. It destroys all eye disorders and supposed to confer divine sight (divyadrishti).

In short following dietetic and regimental do's and dont's for maintaining the ocular well-being are described in Ayurvedic literature:

❖ Pathya And Apathya In Netraroga -

• Pathya(Do's) :

1	Beneficial Grains	YavaGodhuma, Shali rice, Shashtika, Kodrava, Mudga which are old, should be used with plenty of PuranGhruta.
2	Beneficial Vegetables	Surana, Patola, Vartaka, Karvella, Unripe Banana, Mulakha, Punarnava, Kakamachi, Ghutakuman, Dhanyaka, Dadima, Draksha etc.
3	Meat of Animal	Regular use of meat is also beneficial
4	Rain Water	NabhasamJala should use for drinking it is also beneficial
5	Kriyakalpa	AnNetraroga patient should undergo AshchotanAnjana, Lepa, Parishek, Partisarana, Nasya, Raktamokshan. It is regular used in Rutucharya. It is also very beneficial

• **Apathy (Don'ts) :**

1	Avoid suppression of urges	Anger, Mourning, Indulgence in Sex, Tear Shedding, Flatus, Urine stool, Vomiting.
2	Avoid Deeds	To observe the small or minute items for a long time, brushing the teeth long time swimming, over eating exposure to sun/heat over talking, excessive vomiting, drinking excess water, day sleep.
3	Avoided eatables	Madhuka of flowers, curd green leaf vegetables except Shakapanchakam, water melons, Sprouted pulses, fish alcohol meat of domestic animals, sour salty, Katu rasa, spicy items, Teekta-Ushna heavy diets.

Conclusion:

Eyes play a vital role in our day to day lives and are perhaps the most precious gift we have. This world is visible to us because we are blessed with eyesight. Good eyesight is very important for our daily activities like reading, watching television, internet surfing, driving etc. So those who wish to have prolonged healthy vision should keep the value of practices and daily regimen prescribed by ancient scholars because healthy eyes leads to healthy vision and significantly leads to healthy mind, body and most important healthy soul.

References:

1. Shastri A D, ShushrutSamhita of Sushrut, Uttartantra 1/20, Hindi commentary, Chaukhambha Sanskrit Sansthan Varanasi, Reprint 2006, Page No- 10
2. Shastri A D, ShushrutSamhita of Sushrut, Uttartantra 1/25, Hindi commentary, Chaukhambha Sanskrit Sansthan Varanasi, Reprint 2006, Page No- 11
3. Tripathi B N, AstangaHridyam of Vagbhata, Uttartantra8/2, Nirmala Hindi commentary, Chaukhambha Sanskrit Pratishthan Delhi, Reprint 2007, Page No- 935
4. Pandey K N, Chaturvedi G N, CharakSamhita of Agnivesh, Sutra Sthana5/16 Vidyotini Hindi commentary, ChaukhambhaBharti Academy, Varanasi, Reprint 2015, Page No- 114.
5. Shastri A D, ShushrutSamhita of Sushrut, Uttartantra 1/ 26-27, Hindi commentary, Chaukhambha Sanskrit Sansthan , Varanasi, Reprint 2006, Page No- 11.
6. Tripathi B N, AstangaHridyam of Vagbhata, Uttartantra13/98, Nirmala Hindi commentary, Chaukhambha Sanskrit pratishthan , Delhi Reprint 2007, Page No- 977
7. Tripathi B N, AstangaHridyam of Vagbhata, Sutra sathan23/21, Nirmala Hindi commentary, Chaukhambha Sanskrit pratishthan , Delhi Reprint 2007, Page No- 266
8. Khurana A K, Comprehensive Ophthalmology, New Age International (P) Limited, New Delhi, Reprint 2007, Page No- 443-445