Role of arka taila karnapurana in karnakandu w.s.r. to otomycosis

KIRAN B. PATIL

Keywords: Karnakandu, Otomycosis, Karnapurana, Arka Taila

Introduction:

During the Vedic period itself the existence of Karna roga and its treatment were available. In Samhita period, Acharya Susruta has mentioned 28 karna rogas & its treatment in detail. Out of them, Karnakandu is one of the most common diseases affecting the ear.

The signs & symptoms of Karnakandu such as pain, discharge, itching etc. can be correlated to otomycosis. Otomycosis is a fungal infection of the ear canal often due to Candida and Aspergillus. It is seen in hot & humid climate of tropical and Subtropical countries.

Secondary fungal growth is also seen in patients using topical antibiotics for treatment of otitis externa or middle ear Suppuration. So, the disease was selected for present study.

Among the various qualities of a ideal drug -readily availablity and cheaper are two important qualities present with the drug Arka taila having ingredients Arka swarasa, Sarsapa taila and Haridra churna.

Arka taila (Sa. Ma. 9/144) is indicated for itching, Vicarcika, Pama, kacchu etc. which are due to fungal infection of skin. Otomycosis is also a condition due to fungal infection. Since all ingredients are easily available in their authentic form and have distinfectant and antiseptic properties and Vatakaphaghna, kusthaghna, kandughna, visaghna, vranasodhana, vranaropana, effects. So, Arka taila is selected for present study as trial drug.

Dr. Kiran B. Patil, Asso. Prof., Yashwant Ayurvedic College Post Graduate Training and Research Center, Kodoli, Tal-Panhala, Dist- Kolhapur, Maharashtra - 416114.

Specially Contributed to "The Antiseptic" Vol. 113 No. 7 & P: 41 - 42

Aims & objects :

- To study the etiological factors of Otomycosis (Karnakandu) in Ayurvedic and modern view.
- To assess the efficacy of Arka-taila in the management of Karnakandu (Otomycosis).

Materials & methods:

The whole material is divided into following:-

- Conceptual material: Different Ayurvedic and modern texts, journals, research papers were referred for this part of study.
- Clinical material: In this part a detailed clinical study has been carried out from both Ayurvedic & modern point of view.

Inclusion Criteria:

The selection of patients was done on the basis of signs & symptoms of Karnakandu - otomycosis described as per Ayurvedic and modern medical science.

Exclusion Criteria:

Patients suffering from any debilitating diseases like diabetes, T.B. etc. and with other aural pathology e.g. CSOM, ASOM, Perforation of tympanic membrane etc. were excluded from the study.

30 patients were given Arka Taila as Karnapurana irrespective of age, sex, & religion.

Dose: 4 - 8 drops / karnapurana, in luke warm condition.

Duration: 100 matra for 15 days. Frequency: Twice or thrice daily.

Discussion:

The disease Karnakandu (Otomycosis) is a fungal infection of external orditory canal. Itching, Pain, blocking sensation, otorrhoea are the chief symtoms of this disease. Though it is simple disease if not treated

properly can perforate the tympanic membrane. Once the tympanic membrane got perforared due to a little exposure to cold or water entry into the ear canal. Patients use to suffer frequently with karnasrava, Pratisyaya etc. It also hampers the hearing mechanism.

karnakandu disease The (Otomycosis) occure due to several Nija nidana such as Avasyaya, Pratisyaya etc. Due to these etiological factor vitiation of dosas occure when they get accumulated (sthanasamsraya) in the ear, and causes twak, rakta, mamsa dhatu dusti which leads to karnakandu. Due to seraval Agantuja karana such as karnakandu by unsterile instrument, mithyayoha of sastra karma, if poluted water enters in to the ear canal (Nimajjate jale) may cause fungal infection in the ear canal.

Total effect of the treatment was assessed on the basis of clinical assessment of signs and symptoms and statistical analysis in both the groups and then conclusion and results were drawn.

Results & Conclusion

- 1. Prevalence of Karnakandu (Otomycosis) is found to be more in 21-40 years age group.
- 2. Percentage of Karnakandu (Otomycosis) is same irrespective of sex.
- 3. It is seen that Otomycosis has no religion wise distribution.
- 4. Otomycosis has no relation with particular occupation but among female patients, housewives are more prone.
- 5. Vata kapha Prakrti people are more prone for this disease.
- 6. Study shows middle class and lower middle class people are mostly affected with these disease.

- 7. It usually affects one ear but both ears can also affected.
- Genetic factor has no role with this disease.
- Maximum number of patients attending the O.P.D. were having Madhyama category of Sara, Samhanana. Satva, Satmya, AhāraSakti, Vyayama Sakti& Vaya.
- There is no relation between sleeping pattern and the disease Karnakandu (Otomycosis)
- 11. Maximum patients consult the doctor within one week of onset of disease due to its acute manifestation with severe pain.
- 12. Pravrut rutu (June-July) and varsha rutu (Aug-Sep) are favorable season for Karnakandu (Otomycosis)
- 13. Hot & Humid atmosphere, water entry in the ear, scratching of the ear by unsterile instrument such as, Matchstick, hair pin, key & finger nail etc are the main causes for invading fungus.
- 14. Aspergillus and Candida are the chief opportunistic fungus causing this disease Otomycosis.

- 15. Otomycosis due to Candida albicans may be compared with Vata Kapha predominant conditon. & that of Aspergillus may be compared with Tridoshas condition of the disease Karnakandu (Otomycosis)
- 16. During the treatment period pathya-apathya should be followed specially head bath should be prohibited.
- 17. Sufficient amount of arkataila should be put (Karnapurana) to get expected result.
- 18. Regular cleaning of ear canal in an interval of 2-3 days till the prohibition of fresh fungal growth is an essential factor for quick relief of the disease.
- 19. The drug Arkataila is effective to treat the disease Karnakandu (Otomycosis). Arkataila can be applied safely without any precaution even if tympanic membrane is perforated.
- 20. Arkataila Karna Purana for duration of 15 days is sufficient for the treatment of the disease Karnakandu(Otomycosis), provided proper Pathyā-apathya should followed.

REFERENCES:

- A short textbook of ENT, Diseases by K. B. BhaRagava, S. K. Bhargava & T. M. Shah, 4th Edition.
- Ashtanga Hridaya By Baidyanath Ayurveda Bhawan 1956.
- Bhaishajay Ratnavai Vidyotini Hindi Commentary by Ambikadatta Shastri.
- Bhāvaprakāsha 1945, Chaukhambha Sanskrit series, Varansi.
- Bhela Samhita Girijhadayal Shukla, Chowkhamba Press Varanasi.
- Chakardatta With Bhavartha Sandipani Commentary by Jagdishwar Tripathi published by Jay KrishNadas Haridas 1949.
- Charaka Samhita by Chakrapani with Ayurved Dipika commentary by Pt. Kashinatha Shashtri.
- Disease of Ear Nose & Throat by P. L. Dhingra, 3rd Editions.
- Dravya guna vigyana 2nd parts. By P.V. Sharma, Chowkhambha Sanskrit Series, Varanasi.
- Scott Brown's Otolaryngology 6th Edition.
- Salakya Tantra Dr. Ramananath Dwivedi.
- Susruta Samhita Uttara Tantra, Hindi Commentary Ayurveda Tatva Sandipika - by Dr. Ambika Dutt Shashtry.
- Effect of arka taila in the management of karnasrāva w.s.r. to otomycosis by Dr.Anupama Patra 2007.



Advanced glycation end products (AGEs) are products of non-enzymatic glycation and oxidation of proteins and lipids which accumulate in the body in a wide variety of environments. AGEs may be generated rapidly or over long-times stimulated by variety of distinct triggering mechanisms, thereby accounting for their potential roles across multiple settings and pathologies. The mechanisms for such physiopathologic placement of AGEs are diverse; nonetheless, a critical property of AGEs is their ability to activate the Rage (receptor for advanced glycation end products), which is a signal transduction receptor of the immunoglobulin super-family.

The accumulation of AGEs is a natural process that increases slowly with aging; however, as mentioned earlier, abnormal accumulation of AGEs can be induced by many disease states, dietary habits, and other factors.

Maillard reaction is the most common pathway involved in production of AGEs; nonetheless, AGEs are also present preformed in high amounts in high-temperature processed foods, consumption of which would significantly add to the systemic toxic pool of these powerful pro-oxidants-AGEseven in "normal" individuals. These glycation products-AGEs-thus rapidly accumulate in the body, then through in the brain as well, and turn on the mechanisms affecting the physiologic milieu.

Medicine Update

ALTERNATIVE MEDICINI

Patalagata Timir w.s.r. to Simple Myopia Role of Shatawari Ghrita in Pratham

Keywards: Timit, Simple Myopia, Shatawari Ghrita, Tarpana

enjoy and we proceed in life. activities. We see, we learn, we are involved in 90% of our daily God's gift to human beings. Eyes Eyes are the most important

Doshas produces various clinical of successive Patala means the successive Patalas. Vitiated of Drishtigata Rogas is explained the progression of pathogenesis tissues and the prognosisworsens pathology progresses to deeper in different Patalas. Involvement pictures, when they are situated in terms of involvement of In Ayurvedic ophthalmology.

to various patals i.e. first to fourth Rogas by all Acharyas. Clinical is included under Drishtigata leatures of Timir vary according Timir is one such disease which

errors in modern ophthalmology similarities with that of Refractive Patalagata Timir are having Clinical features of Pratham

and considered as Chakshushya easily available, cost effective Shatawari and Ghritathese are

different manner i. e. orally and results and it is easy to assess the locally it might gives wonderful If single dravya is used in

Kiran B. Paul, M.S., Ph.D.

lenses & surgery is the only Optical correction with concave

Aims & Objectives:

in Pratham Patalgata Timir w.s.r. Shatawari Ghrita Akshi Tarpan use of Shatawari Ghrita and 2. Patient having ocular diseases 1. Patient having myopia more Exclusion criteria:

Review of Literature:

done from all the available types, treatment modalities was of vision in ayurveda, timir, its eye, parat, paragaravyadni, concept regarding ayurvedic concept of literatures of Ayurveda Detail review of literature 4. Patient having post operative

types, treatment modalities was errors, their types, myopia, its its anatomy, physiology, refractive from internet through websites. laken from modern texts & updates

advantages, Kriyakalpa, ayurvedic literature. procedure was taken through Detail review of Netra disadvantages, Tanpana, its

Coghrita, Codugdha their uses, was taken from available literature. physical and chemical properties Detail review of Shatawari,

previous work done. discussed on the background of Novelty of proposed work was

Materials and Methods: Inclusion criteria:

Patient between 7-25 years of age group irrespective of

THE ANTISEPTIC

treatment for Myopia. results. In modern Ophthalmology 3. Patient having lakshanas of 2. Patient having Simple Myopia

upto -6.0 D.

Pratham patalgata dosha

to Simple myopia. To evaluate the role of systemic

3. Patient having any systemic

other than simple myopia.

Also modern concept of eye,

4. Clinical study was conducted in three groups after thorough own language and in English. guardians was taken in his

5. Group - A - In 120 patient's optical condition. examination of patient's ocular correction with

appropriate concave lenses was

Group - B - In 120 patient's optical correction with concave with systemic use of Shatawar lenses was prescribed along

7. Group - C - In 120 patient's ghrita for 30 days.

optical correction with concave

with Shatawari ghrita Akshi lenses was prescribed along larpan.

Age of the child in years /age of child + 12 X Adult dose. Shatawarighrita is given 20 gm 40 gm. In 17-25 year age group according to Young's Rule i.e. group Shatawari Ghrith is given the evening. In 7-16 year age in the morning and 20 gm in ose of Ghrita is one pala i.e. According to Sharangdhar adult

each with 7 days intervals i. e. was done in 1 X 7days in 3 sittings total 21 days. Shatawari Ghrita Akshi Tarpan

Observations and Results:

on the basis of data collected & after statistical analysis. The results were drawn strictly

of patients in 7-17 age group were 87 i. e. 24.16% and the number of patients in 18 -25 age group were 273 i. e. 75.83%. In the present study the number

1. Total 360 patients were selected

Method of work:

myopia.

i. e. 44.16%. The percentage of males was higher than the females. of males were 201 i. e.55.83% and the number of females were 159 In the present study the number

3. Written consent of the patient

as well as his parents or

2. Detail case pro forma was

and diagnostic criteria.

basis of clinical presentation randomly for the study on the

prepared and used accordingly.

11.66% were housewives. 15% patients were in the service. patients were taking education, In the present study 73.05%

4. Etiological factors:

were having Shoka as Nidana, Swapnaviparyaya& 21.94% 02.22 % patients were doing Durekshanat 25.27 % patients, Krodha, 15.55% were having Ushnabhitaptasya Jalapraveshata, Ratriatyambupana, 38.61 In this series 46.66 % were Shirobhitapa, 62.5 % Sukshmanirikshana, Shirobhighata,

were having, Chhardivighatada, 22.77% Malavarodha, nidanasevana & none of the patients Dhumanishevanam. Atisantapa Vamanaatiyogata, Rituviparyaya, % were having Atimaithuna as Atıratrıbhojana. Mutravarodha, Vashpagrahata, Rajosevana, & 07.5 1.38%

5. Chief Complaints:

maximum 78.05% patients were were having the symptoms like Blurred vision and no one patients having Watering of eyes, 6.11% were having Eyestrain, 51.38% having Headache, 57.22% patients patients were having redness of vision, patients were having Diminished eyes, 1.94% patients were having Diplopia and Burning of Eyes. In the present study 30.27% patients were

6. Fundus Examination:

patients were having fundus picture. In the present study all the normal

7. Visual Acuity:

35.97% eyes were having visual visual acuity in between 6/6 - 6/9 The 5.41% patients eyes were 53.75% patients eyes were having having visual acuity in between acuity in between 6/12 - 6/18. having visual acuity 6/60 6/24 - 6/36 and 4.86% eyes were Inthe present study maximum

8. Dioptric Power:

were lie in -1.25 - 2.00, 2.36% patients were lie in -2.25 - 3.00In the present study the Dioptric power of 85% patients were lie and 1.94% patients dioptric power in 0.00 - 1.00, 10.69% patients was lie in -3.25 - 4.00.

9. Group -A: Optical correction -

correction gave 96% cure rate in in Blurred vision, 62.19% in shows various results. Optical treatment on Chief complaints indistinct distant vision, 66.66% After 30 days the effect of

of eyes was 71.42%. the percentage of cure in Redness 64.70% in Watering of eyes and Headache, 59.18% in Eyestrain

with Oral Shatawari Ghrita)-16. Group - B (Optical correction

Ghrita gave 96.77% cure rate in Headache, 97.46% in Eyestrain, in Blurred vision, 98.98% in treatment on Chief complaints of eyes was 40%. the percentage of cure in Redness indistinct distant vision, 100% correction with Oral Shatawari shows various results. Optical 83.33% in Watering of eyes and After 30 days the effect of

with Shatawari Ghrita Tarpana) 11. Group - C (Optical correction

88.33% in Watering of eyes and indistinct distant vision, 97% in correction and Shatawari Ghrita treatment on Chief complaints no one patient was suffering from of eyes was 80%. In Group - C the percentage of cure in Redness Tarpana gave 95.89% cure rate in shows various results. Optical Blurred vision Headache, 96.15% in Eyestrain, After 30 days the effect of

12. Indistinct distant vision (30th Day) -

vision between the three groups of treatment on indistinct distant on indistinct distant vision. treatments show similar effect (P>0.05). It means that the Chi square value was 0.0795 shows no significant results. The After 30 days the overall effect

13. Eyestrain (30th Day) -

of treatment on Eyestrain between was because of treatments. means that the difference in results significant results. The Chi square value was 50.248 (P<0.05). the three groups shows extremely After 30 days the overall effect

Vol. 115 • June 2018

THE ANTISEPTIC

4. Headache (30th Day) -

means that the difference in results the three groups shows extremely of treatment on Headache between was because of treatments. alue was 68.4159 (P<0.05). It After 30 days the overall effect

15. Redness of eyes (30th Day) -

no significant results. The Chi it means that the treatments show between the three groups shows of treatment on Redness of eyes similar effect on Redness of eyes Square value was 4,9445 (P>0.05) After 30 days the overall effect

6. Watering of eyes (30th Day) -

of treatment on Watering of eyes value was 7.4142 (P<0.05). It significant results. The chi Square between the three groups shows vas because of treatments. neams that the difference in results After 30 days the overall effect

17. Optical correction (30th Day) -

in each group shows extremely the three groups in 120 patients on Optical correction between he overall effect of treatment On first follow - up (30th day)

agnificantly greater than expected The variations between the of three groups were

over Optical correction and oral shrita larpana gives good results Optical correction with Shatawari than only Optical correction and shatawari Chrita gives good results The Optical correction and oral

18. Optical correction (90th Day) -

on Optical correction between the three groups in 120 patients day) the overall effect of treatment On second follow - up (90th

agnificant results. The

significantly greater than expected by chance. The variations between the groups were

over Optical correction and oral Optical correction with Shatawari than only Optical correction and Shatawari Ghrita gives good results Ghrita larpana gives good results ShatawariGhrita. The Optical correction and oral

19. Optical correction (180th

in each group shows extremely the three groups in 120 patients day) the overall effect of treatment was P<0.0001. significant results. The 'P' value on Optical correction between On third follow - up (180th

means of three groups were by chance significantly greater than expected The variations between the

Optical correction with Shatawari ShatawariGhrita gives good results over Optical correction and oral Ghrita Tarpana gives good results than only Optical correction and ShatawariGhrita. The Optical correction and oral

20. Visual acuity (30th Day) -

groups in 120 patients in each the overall effect of treatment on group shows extremely significant results. The 'P' value is P<0.0001. Visual acuity between the three On first follow - up (30th day)

significantly greater than expected means of three groups were The variations between the

Shatawari Ghrita. Optical correction with Shatawari Shatawari Ghrita gives good results over Optical correction and oral Uhrita larpana gives good results than only Optical correction and The Optical correction and oral

21. Visual acuity (90th Day) -

three groups in 120 patients in significant results. The 'P' value each group shows extremely on Visual acuity between the day) the overall effect of treatment On second follow - up (90th

significantly greater than expected means of three groups were The variations between the

over Optical correct on and oral Ghrita Tarpana gives good results Optical correction with Shatawari ShatawariGhrita gives good results than only Optical correction and The Optical correction and oral

22. Visual acuity (180th Day) -

groups in 120 patients in each by chance. group shows very significant on Visual acuity between the three day) the overall effect of treatment significantly greater than expected the means of three groups were P<0.0024. The variations between On third follow - up (180th value was

Shatawari Ghrita. over Optical correction and oral Ghrita Tarpana gives good results Optical correction with Shatawari than only Optical correction and ShatawariGhrita gives good results The Optical correction and oral

23. Visual acuity (180th Day) -

optical correction after 180 days. 80% eyes and in 20% eyes vision correction) vision remains same in of vision by one or two lines with was improved by less than one ine. There was no improvement Group - A (Optical

14.16% eyes while in 14.58% & oral Shatawari Ghrita) vision eyes vision was improved by less was improved by one line in In Group - B (Optical correction

vision remains same.

eyes vision was improved by less in 28.33% eyes while in 12.5% vision remains same. than one line and in 59.16% eyes vision was improved by one line Shatawari Ghrita Tarpana) In Group - C (Optical correction

Shatawari Ghrita with Optical correction gives good results in Timir (Simple myopia). Systemic and Topical use of

- . Shatawari Ghrita was more it gives better results in Timir accepted by all the patients & palatable for systemic use and
- 2. Due to Balya, Rasayana, were relieved in most of the watering, eye strain, neck pain ShatawariGhrita asthanopic and Chakshuya properties of symptoms like headache,
- Modified accepted by all the patients. less time consumable and Tarpanakarma was very easy, procedure
- results in Timir (Myopia). many patients & it gives best of the eyeball was increased in in most of the patients. Strength refractive errors were reduced Due to Tarpana procedure
- Major advantage of Tarpana exposing the rest of the body. concentration of medicine was achieved at desired site without Karma was that a high
- hydrophilic which was shown by Shatawari Ghrita. drug should be lipophilic and Epithelium and Endothelium of so for complete penetration for lipid content and Stromal Cornea are highly permeable layer to water soluble content

- han one line and in 71.25% eyes 7. Minor side but these symptoms do not of the eyes, redness are noted TarpanaKarma like irritation effects
- Shatawari Ghrita might give and local (Tarpana) use of Combination therapy of oral wonderful results. require any specific treatment
- eyesight as well as general Shatawari Ghrita is easily available, cost effective and health of the patient. long term use may improve

Conclusion:

established by investigating various ways and deducting means of various reasons (Ch Conclusion is the determination

be drawn study, tollowing conclusions can On the basis of the present

- 1. Group-A: Optical Correction provided better results chiefcomplaints like Indistinct
- Group-B: Oral ShatawariGhrita BlurredVision, Eyestrainand with optical correction provided like Indistinct distant vision, better results in chief complaints
- Group-C:ShatawariGhrita distant vision, BlurredVision, complaints like Indistinct EyestrainandHeadache. provided better results in chief Tarpana with optical correction
- In reduction of dioptric power than only Optical correction. & C) has shown better results both Oral and Tarpan (Group B
- 5. Oral ShatawariGhrita&Shataw results on Visual Acuity C) shows moderately effective ariGhritaTarpana (Group B & than oral treatment. Tarpana shows better results

AYURVEDIC BOOKS: REFERENCES & BIBLIOGRAPHY:

Dr. Brahmanand Tripathi. Agrivvesha – Charak – Samhila, Su. 4th, 8th chapter pg. 189 – 195, 13th chapter Pg. 263 – 275. Sha. 3rd chapter Pg. 860, Ch. 26th chapter pg. 48, 2013.

Scanned by CamScanner

- Shankar Dajishasin Pade, Sarth Charak Samhila, Su 8, 11, 13, 20, 27, 28 chapter Pg, 133, 189, 22, 143, 68, 197, Sha, 3rd chapter, Pg, 64, ch. 26th chapter, Pg, 165, VI, 8 chapter, Pg, 112
- Pandi Kashinath Shastri, Wdyotini -Charak Samhita, Su 6m8 13th & 28 chapter, Pg 118, 188, & 431; Sha. 3rd chapter, Pg 743, chi. 26thchapter, Pg 576, 7th edition.
- 4. Vd Harishchandra Singh kushwaha. Ayurved Dipika Charak Samhila. Su 8th & 19th chapter, Pg 123, 212 Sha. 13th chapter, Pg 771, Cm. 26th chapter, Pg 696, Reprint 2011.
- Vd. Jadavaji Trikamji Acharya, Chakrapanidatta -Charak -Samhita, Su.8lh& 13th chapter, Pg. 118, 182, Sha. 13th chapter, Pg. 695, Chi. 26th chapter, Pg. 676, Reprint - 2009
- Ambikadutta Shastri, Ayurved Tattava Sandipika, Susharuta Samhita, Su 1 & 24th chapter, Pg 3, 102, UT 1, 7, 8, 17, 18 chapter, Pg 6, 32, 37, 66, 73, Chi.31 chapter, Pg.934, Reprint 2010.
- Vd. Jadhavji Trikamji Acharya, Shri Dalhanacharya, Sushruta Samhita, Su. 21, 24th chapter, U.T. 1, 7, 8, 17, 18 chapters, Reprint 2010.
- 8. Prof. P. V. Sharma, Shri Delhanachanya, Sushruta Samhita, Su. 24, 35, chapter, Pg. 116, 155, Sha. 1, 6, chapter, Pg. 342, 372, U.T. 1, 7, 8, 17,18 chapter, Pg. 596, 608, 610, 625, 634, Reprint 2009.
- Pandit Nandakishor Sharma, Chakrapanidatta, Sushruta Samhita, Su. 24th chapter, U.T. 1, 7, 8, 17, 18, 24 chapter, Reprint 2001.
- Dr. Bhaskar Gowind Ghanekar, Sushrula

 Samhila, Su. 24th chapter, Pg. 147,
 Chi. 31, Pg. 470, UT. 1, 7, 8, 14, 17,
 chapter, Pg. 599,610, 614, 624,
 627, 635, Reprint 2008.
- 11. Prof. K. K. Srikantha Murthy, Vaghbhata, Ashiang Hrudayam Su. 24 Chapter, U. T. 12, 13, 16 chapter Pg. 106, 113, 142, 5th edition, 2009
- Dr. Bulusu Silaram. Vaghbhata. Ashtang Hrudayam. Su 24 chapter. Pg 428. U. T. 12, 13, 16 chapter, 1st edition 2008.
- Acharya Priyavrat Sharma, Vaghthata,
 Vivechana, Su.5,13,24 chapter, Pg.

ALTERNATIVE MEDICINE

- 67, 176, 247, Sha. 2, 4, U. T. 12, 13, 16 chapter, Pg. 510, 514, 534, Reprint 2003.
- Dr. T. Sreekumar, Vaghbhata, Ashtang
 Hrudayam, Su. 24 chapter, U. T.
 12, 13, 15, 16 chapter, 2nd edition, Reprint – 2008.
- Dr. Brahmanand Tripathi, Ashtang Hrudayam, Su. 24 chapter, pg. 269, U. T. 12, 13, 16 chapter, Pg. 960, 965, 996, Reprint – 2010.
- Dr. Anna Moreshwar Kunte, Pandit Krushnashastri Navare, Vaghbhata, Ashtang – Hrudayam, Su. 12, 16, 24 chapter, Pg. 196, 248, 308, U. T.12, 13, 16 chapter, Pg. 816, 818, 833, 2012.
- Dr. Smt. Shailaja Srivasatava, Sharangdhar – Samhita, Purva Khand Mana Paribhasha, Pg. 10, Madhyam Khanda, 9 chapter, Pg. 224, UttarKhanda, 13 chapter Pg. 486 -490, Reprint - 2011.
- Dr. G. Prabhakar Rao, Sharangdhar Samhita, Mana Paribhasha, Pg. 1-8, Madhyam Khanda, 9 chapter, Pg. 160 Uttar Khanda Netrakarma Vidhi Pg. 335, 1st edition – 2013.
- Vd. Laxmipati Shastri, Yogaratnakara, Uttarardha, Netrarognidana, Pg. 364 – 366, Reprint – 2009.
- Pandit Shri Brahma Shankara Mishra, Bhavamisra, Bhavaprakasha,

- Netrarogadhikara, Pg. 616, 9th edition 2005.
- Prof. Ramanath Dwivedi, Chakradatta, Netraroga Chikitsa, 59 chapter, Pg. 360 – 370.
- Shri Ambikadatta Shastri, Bhaisajya Ratnawali, Netraroga Chikitsa, chapter 64, Pg. 999, chapter 27 & 56 Pg. 600 & 926, Reprint – 2012.
- Database on Medicinal Plant Used in Ayurveda, vol.-5, Pg. 418, CCRAS, New Delhi, 1st edition - 2001.
- Prof. P. V. Sharma, Dravyaguna Vignana, Vol. 2, Shatawari, Pg-562,Reprint - 2009.
- Vaidya V. M. Gogate, Ayurvedic Pharmacology & Therpeutic uses of Medicinal Plants, Dravyagunavigyan, Medicinal Plants, Shatawari, Pg. 491, Reprint – 2009.
- 26. Vishwanathdwivedi Shastri, Bhavprakashnighantu, Guduchadi Verg, Pg. 218, Reprint – 2002.
- 27. The Ayurvedic Pharmacopoea of India, Part – 2, Vol. – 2, Pg. 291, 1st edition, 2008.

MODERN BOOKS:

28. A. K. Khurana, Indu Khurana, Anatomy and Physiology of Eye, Cornea, Limbus, Sclera, Pg. 22, 2nd edition, Reprint – 2011.

- 29. A. K. Khurana, Theory and Practice of Optics and Refraction, Errors of Refraction, Pg. 61, 2nd edition, Reprint 2011.
- A. K. Khurana, Comprehensive Ophthalmology, Optics and Refraction, Pg. 19, 4th edition, Reprint – 2008.
- 31. Ramanjit Sihota, Radhika Tandon, Parson's Diseases of the Eye, Refractive Errors of the Eye, Pg. 71, 12th edition, Reprint – 2007.
- Jack J. Kanski, Clinical Ophthalmology, Corneal and Refractive Surgery, pg. 313, 6th edition, Reprint – 2006.
- Lawrence J. Singerman, Gabriel Coscas, Current Techniques in Ophthalmic Laser Surgery, Lesers in Corneal Surgery, Pg. 9, 3rd edition, 1999.
- David Abrams Duke Elders Practice of Refraction, Myopia, Pg. 53, 10th edition, Reprint - 2005.
- C. K. Kokate, A. P. Purohit, S. B. Gokhale, Pharmacognosy, Drugs containing Glycosides, Pg. 216, 36th edition, 2006.
- Kirtikar K. R. & Basa B. D., Indian Medicinal Plants vol. 6, N. O. Liliaceae, Asparagus racemosus willd, Pg. 2499, 2nd edition, 2007.





Review of Hypertensive Retinopathy

DHANSHREE POL, KIRAN B. PATIL

Introduction

The retina is the tissue layer located in the back of eye . This layer transforms light into nerve signals that are then sent to the brain for interpretation . When your blood pressure is too high the retinal blood vessel wall may thicken. This may cause your blood vessel to become narrow, which then restricts blood from reaching the retina. In some cases retina become swollen.

High blood pressure can cause damage to the retinal blood vessel, disturbs the retinal function, and put pressure on the optic nerves, causing vision problems this condition is called as "Hypertensive Retinopathy".

Hypertensive Retinopathy refers to retina changes occurring in patients suffering due to systemic hypertensive.

Etiology

Due to high blood pressure

- 1. Vasoconstriction,
- 2. Arteriosclerosis
- 3. Increased vascular permeability.

It is usually presents with a 'dry retina' (Few hemorrhages, rare edema, rare exudates multiple cotton wool spots)

Pathophysiology

A. Hypertension leads to laying down of cholesterol into tunica intima of medium and large arteries. This reduces the lumen size of these vessels.

Dr. Dhanshree Pol, P.G.Scholar - Shalakyatantra Dr. Kiran B. Patil, M.S., Ph.D. (Shalakyatantra) Asso. Prof. Shalakyatantra,

YAC, PG & RC, Kodoli, Dist - Kolhapur, Maharashtra.

Specially Contributed to "The Antiseptic" Vol. 116 No. 3 & P: 31 - 32

- B. In arteriosclerosis it leads to focal closer of the retinal microvasculature. This gives rise to microinfarcts (Cotton wool spots) and superficial haemorrhages. In extreme cases, disc edema develops.
- C. Cotton wool spots develop in 24.48 hours with the elevation of BP and resolve in 2 to 10 weeks with the lowering BP.
- D. A macular star develoaps within several weeks of the development of elevated BP and resolves within months to year after the BP is reduced.

Hypertension is a major risk factor for other retinal disorders (i.e. retinal artery or vein occlusion).

Hypertension combined with diabetes greatly increase risk of vision loss.

Types:

- 1. Hypertension with involutionary (senile) sclerosis:-Fundus changes comprise Augmented Arteriosclerotic Retinopathy.
- 2. Hypertension without sclerosis:- It is seen in young people. There are few retinal signs. The arterioles are constricted, pale and straight with acute angle branching.
- 3. Hypertension with Compensatory Arteriolar sclerosis:- It is seen in young patients with prolonged benign hypertension. The young Arterioles respond by proliferative and fibrous changes in the media.
- 4. Malignant hypertension:- It is an expression of its rapid progression to serious degree in a patient with relatively young arterioles undefended

by fibrosis. Fundus picture characterized by pappiloedema, marked arteriolar narrowing, retinal oedema over the posterior pole and cotton wool patches.

Clinical features:-

In early stages fundoscopy identifies arteriolar constriction with a decrease in the ratio of the width of the retinal arterioles to the retinal venules.

Symptoms-

- 1. Bleeding in the eye
- 2. Blurred vision
- 3. Complete loss of vision
- 4. Double vision
- 5. Headache
- 6. Eye swelling
- 7. Spots or Dark strings floating in vision(Floaters)
- 8. Impared colour vision

Signs of Hypertensive Retinopathy with Gradations:

· Grade 1:

It consists of mild generalised arteriolar attenuation, particularly of small branches, with broadening of the Arteriolar light reflex and vein concealment.

· Grade 2:

It comprises marked generalized narrowing and focal attenuation of arterioles associated with deflection of veins at arterovenous crossings (Salus sign)

· Grade 3:

This consists of grade 2 changes plus copper – wiring of arterioles, banking of veins distal to arteriovenous crossings (Bonnet sign), tapering of



veins on either side of the crossings (Gunn sign). Flame shaped heamorrhages, cotton wool spots and hard exudates are also present.

Grade 4:

Silver - wiring of arterioles and papilloedema and all above changes.

Due to Chronic Hypertension:-

- Permanent arterial narrowing
- Arteriovenous crossing abnormalities
- Vascular wall changes
- Vascular occlusion

severe cases:-

Superficial flame shaped Haemorhage

- Small white superficial foci of 4. Vasodilators in occlusion retinal ischemia
- Yellow hard exudates
- Optic disk oedema

Diagnosis-

Diagnosis of Hypertensive retinopathy done on the basis of

- 1. Opthalmoscopy.
- 2. Fluorescein Angiography.

Treatment:-

Hypertensive retinopathy is managed primarily by controlling Hypertension.

- 1. Treatment of hypertension i.e. Antihypertensives
- 2. Salt restricted diet
- 3. Regular exercise

- Diuretics in edema
- 6. Laser theropy ND-YAG, Argon
- 7. Intravitreal Injections like Triamcilone, Avastin.

Complications-

- 1. Ischemic optic neuropathy.
- 2. Retinal artery occlusion.
- 3. Retinal vein occlusion.
- 4. Nerve fiber layer ischemia or damage to the nerve fibers.



Statement about ownership and other particulars about "THE ANTISEPTIC" Form IV (See Rule 8)

1. Place of Publication

2. Periodicity of Publication

3. Printer's Name

Whether citizen of India

Address

Publisher's Name

Whether citizen of India

Address

5. Editor's Name

Whether citizen of India

6. Name and addresses of individuals who own the newspaper and partners or share holders holding more than one percent of the total capital : 21, Sathya Sai Nagar, Madurai - 625 003, Tamil Nadu.

: Monthly

: MS. L. Saroja,

12 A/1, Subramania Pillai Street, Madurai - 625 010.

: Dr. R. Lakshmipathy,

: Yes

: 27, Sathya Sai Nagar, Madurai - 625 003, Tamil Nadu.

: Dr. S. Vembar.

: Yes

: 1. Dr. R. Lakshmipathy, 27, Sathyasai Nagar, Madurai - 625 003

2. Dr. L. Ramasubbu

3. Mr. L. Adimoolam

4. Mr. K. Sankaran, 447, Pallivasal Street, Anna Nagar, Madurai-625 020.

5. Mrs. S. Lakshmi, 19/10, Venus apartments, Venus colony IInd Alwarpet,

Chennai - 600 018.

I, R. Lakshmipathy, hereby declare that the particulars mentioned above are true to the best of my knowledge and belief.

Dated: 01.03.2019

(Sd/-) Dr. R. Lakshmipathy Publisher

THE ANTISEPTIC

Vol. 116 • March 2019



Netratarpana

effective on anecdotal and clinical experience many ophthalmic conditions. It is found to be one such procedure which is widely indicated in which describes various physiotherapeutic procedures in many clinical conditions. Akshi Tarpana is also scientific reasoning for the procedure is established grounds. It is the foremost treatment procedure But even then, neither proper acceptance nor precise mentioned in Sushruta Samhita for eye disorders. Ayurveda is a science with a very rich legacy

its acceptance and significance could be understood are also big riddles to understand & explain to whole process. Drug absorption and mode of action modern as well as Ayurvedic physicians, so that There are lots of discrepancies found in the

Trup' by adding the 'Lyut The word "Tarpana" is derived from the root

is to give nourishment of the eye through Ghrita, Ghritamanda, medicated Ghritas, Vasa, Majja (bone Pralyaya. The literary meaning of the Tarpana

ndication for Tarpana karma:

Tamyati ativishushkam Yat ruksham

Shirnpakshmavilam jivham rogaklishtam ch yadbrusham

Tadkshitarpanadev labhetorjamsamshayam. ||

(Su. U. 18/17-18)

eyes, stiffness of the eyelids, falling of eye lashes severe dryness of the eyes, much roughness of the usturr of ocular surface, deviated eye ball / Squint Madrosis, dirtiness of the eyes / Altered or lost When a patient sees darkness in front of eyes, in

specifically selected for Tarpana. They are Kricchronmilana, Siraharsha, Sirotpata, Arjuna, Anyatovata, Vataparyaya Vagbhatta has further added a list of disease In extreme aggravation of the diseases of the eye Abhishyanda, inflammatory Adhimaniha,

Specially Committeed to "The Antiseptic Vol. 136 No. 7 & P. 38 39 Dr. Kean B. Pattl. M.S., Ph.D. (Mys. Asso. Prof. VAC PCT & RC Kodoli. Tel. Partials, Dist. Koltagus. Maharashtra - 416 174.

THE ANTISEPTIC

Vol. 116 • July 2019

Vol. 116 - July 2019

conditions of the eyes Vatika and Paitika diseases of eyes as well as injured eyes due to Abhighata.

Contraindications for Tarpana karma:

Ashanto updrave chakshni tarpanam na prashsyate Durdina atiushna shiteshu chintaya sabhrameshu ch (Su. U. 18/18

given below: conditions where Tarpana is contraindicated are According to Acharya Sushruta, the various

- . Cloudy day.
- Excessive hot and cold season
- . Worry and Anxiety Mental state
- 4. In Exhaustion, Giddiness Physical health state
- 5. In the condition of acute pain etc. complication of ocular disease.

Procedure:

& Nimesha). After retaining for the stipulated time, instructed to close and open his / her eyes (Unmesha eyelashes are under the liquefied Ghrita. Patient is liquefied Ghrita is poured very slowly till the entire firm, compact leak proof wall made up of paste of powdered Masha pulse (black gram). The patient is in lukewarm water, then the eyes are encircled with a chamber free from direct sun rays, wind and dust, ukewarm water fomentation (Su. U.18/6-10). near the outer canthus and the eye is irrigated by the Ghrita is drained out through the hole made asked to close the eyes and over the closed eyes, and is given mild fomentation with a cotton soaked The patient is asked to lie down on his back, in

Pashchat karma:

Dhoompana i.e. medicated smoke is given to the patient. Then patient is advised to avoid direct exposure to excessive cold, heat, wind, lustrous & shiny things. After finishing the main procedure of Akshitarpana,

Course of procedure:

Ekaham va trahyamva api panchaham cheshyate param (Su.U. 18/12)

one day, three days and five days or till the proper satiating features are attained. the eye, simply asks to perform the procedure for Sushruta, without clarifying the condition of

> vatika, Paittika and Shlaishmika eye disease of Gayadasa, Jejjata and Videha. According to Gayadasa, this duration is given in accordance Dalhana in his commentary quotes the view

s of one, three and five days respectively. in mild, moderate and severely aggravated Doshas According to Jejjata, the duration of treatment

in healthy eye and Sannipataja disease and with out daily in Vatika diseases, alternatively in Paittika the interruption of three days in Kapha diseases. and Raktaja diseases, with interruption of two days

for Kapha diseases where he advises an interruption

taken for counting the number of syllables mentioned according to the healthiness or unhealthiness of Tarpana should be retained for a period, which is

Signs and symptoms of proper Tarpana:

Sukha swapna avbodhatvam veshyadam varnshatvam

of secretion, clearness of vision, discernment of i.e. sound sleep, Blissful awakening, cessation The features of properly conducted Tarpana

individual colours, agreeable sensation, lightness

Videha says that the procedure should be carried

Vagbhatta is in agreement with Videha, except

period of retention:

Nivruti vyadhividhwans: kriya laghavmevch

(Su. U. 18/13) ya yogvit | (Su. U. 18/16)

of the eye and proper functioning of eye, ability of the eye to tolerate Sunlight. Complications of excessive Tarpana: Deyam dosh samutklistam netram attarpitam Gurvavilam atisnigdham ashru kandupdehavat

oiliness, lacrimation, itching, aggravation of Doshas especially results from excessive Tarpana reatures of heaviness, indistinct vision, excessive stickiness and Kapha Dosha (Su. 1). 18/14)

Scanned by CamScanner

Effect of inadequate Tarpana:

Vyadhivrudhichya tat dnyeyam hin tarpitam akshich Ruksham avilamstradhyam saham rupdarshane (Su. U. 18/15)

are the features of insufficient Tarpana. intolerance to light and aggravation of the disease Dryness, indistinct vision, excessive lacrimation

Uhum nasya anjane seke : rukshe : snigdhech inayo: dosh bahulyat prayatet chikisitye

Treatment of inadequate and excessive Tarpana:

in Pitta. in diseases of Vata, Ruksha in Kapha and Sheeta Snigdha or Ruksha are to be used for them. Snigdha with Dhoompana, Nasya, Anjana and Seka either applied according to predominance of Doshas In these two conditions, treatment will be

insulin resistance and altered cellular ion transport. adrenergic receptors; inadequate dietary intake of potassium and calcium; diabetes mellitus and and vascular tone due to inappropriate levels of vasoconstrictors, vasodilators and alterations in increased sympathetic nervous system activity, activity of the rennin-angiotensin-aldosterone system Typerension is multifactorial, with involvement of multiple pathophysiologic factors. THESE include Essential hypertension accounts for >90% of cases of hypertension. The pathogenesis of essential

the most common and important risk factor for hypertension. In addition to these dietary sodium, or salt, intake has been found to play a key player, and

disorder and is increasingly being recognized as an important risk factor in cardiovascular diseases complete collapse of pharynx during sleep. OSA is the most common sleep-related breathing Obstructive sleep apnea (OSA) is a chronic condition in which there is repetitive

LNIH

Treatment of shiroroga

KIRAN B. PATIL

General Management of Shiroroga

Shiroroga (headache) the following preventive measures should be Commonly in all type of

Nidana Parivarjana

should be avoided. other Aharaja and Viharaja Hetus the mind is very helpful. Also holding of the urges, controlling be avoided. Commonly rest, avoid point of view, the etiological actors producing headache should According to the treatment

Samshodhana Chikitsa

Shirovirechana-Nasyakarma

medicines that are indicated for practice in headaches. such conditions is to be put into repeated use of Nasya with special in Urdhavajatrugata Rogas. Thus important method of treatment has been advised as the

Samshamana Chikitsa

Along with Nidana parivarjana,

on Samanya Vishesh principles, manifesting dosha. according to predominance of the with the help of drugs, based brought to their normal state the vitiated doshas should be the tollowing measures for Yogratnakara has described

Other Measures

Shiroroga. Snehana, Upanaha, Or Kiran B. Paul, M.S., Ph.D. Asso. Professor, Kaktamokshana, Shirobasti. Swedana, anghana, Parisheka, Agnikarma. Dhumpana, Lepa,

Department of Shalikyatantra;
Y.A.C., P.G. Training and R.C. Kodoli,
Dist Kolhapur (Mahanashta), 416114
Specially Contributed to The Antiseptic
Vol. 116 No. 7 & P : 44 - 45

the patient. other general considerations of predominance of dosha and applied after considering the These measures should be

Sattvavajaya

somatic diseases like Migraine, as conditions but also in psychois not only beneficial in psychiatric a supportive therapy to alleviate his illness with better adjustment making the patient able to cope up the aggravated and adaptation. In the present time counseling condition by

conditions. The basics approach is, also a curative treatment in those more a palliative management but Psychodynamic methods are no . Assurance Psychological and

2. Exchange or replacement of emotions. Irshya etc. with appropriate Kama, Krodha, Bhaya, Harsha, emotions viz. replacement of

3. Psychoshock therapy

Shashtika Shali. Upanaha, Purana Ghrita and Raktamokshana, Agnikarma, Vamana, Langhana, Shirobasti, Dhumpana, Virechana, Lepa, which are Swedana, Nasya, Shirah-Shoola has been described General line of treatment for In Bhaishajya Ratnavali,

Specific Management of Shiroroga

· Vataja Shiroroga

application), Seka (irrigation), Dhuma (Fumigation) along (nasal medication), Lepa (local Swedana (formulation), Navana Shiroroga Snehana (oleation), measures should The following alleviating management of Vataja-

Vatika Shiro Rogas, which can be and hot poultices, Dahakarma with Vata-Shamaka drinks, food (Cauterization) is advisable in medicines advised are: relieved by other measures. The

taila, Trivrit taila, Bala taila Taila - Rasnadi taila, Baladi

Mayura Ghrita Ghrita - Maha Mayura Ghrita

Pittaja Shiroroga

be treated with Pitta purifying measures as Ghritpana, milkpreparations advised in Pittaja vedha are also applicable. The pitta alleviating food and drinks, Sheeta lepa (cold poultices); with intake, Nasya, Seka (irrigation), Asthapana basti, Virechana, Sira Parisheka, Yashtyadi Ghrita. Shiro Roga are Candanadi pradeha, Pittaja Shiro Roga should

Kaphaja Shiroroga

advocated. (local applications). Old Ghrita, of powder) and Kaphahara pralepa of head) followed by Dhuma, remedified by Kapha suppressive and Daha (cauterization) can be Basti prepared by Tikshana drugs Nasya, Pradhamana (insufflation dharana, Swedana (fomentation measures like Shiro Virechana, Vamana, Dhumpana and Gandusha Kaphaja Shiro Roga should be

of selective, high-affinity 5-HT4 receptor agonists. This drug, which has been developed for the

Prucalopride (Resolor®) is a novel enterokinetic agent. It is the first of a new generation

000

treatment of chronic constipation in adults in whom laxatives fail to provide adequate relief

heme to carbon monoxide (CO) biliverdin (which is rapidly converted to bilirubin by biliverdin

eductase) and ferric iron.

cellular stress, is traditionally considered to convey adaptive responses to exidative stress,

Activation of heme oxygenase-1 (HO-1), a heme-degrading enzyme responsive to a wide range

flammation and vasoconstriction. These diversified effects are achieved through the degradation

stimulates gastrointestinal (GI) motility through its effects on 5-HT, receptors.

- British Journal of Clinical Pharmacology

Arkadi nasya, Hayari nasya. Nasya - katphaladi nasya

Sannipataja Shiroroga

a combined treatment is given. Sushruta advises drinking of Shiro Roga is based on the Ghrita, predominance of dohsa and thus The treatment of Sannipataja

place, after considerable research. They found a peptide in the venom of a poisonous lizard - the

In 1992, J.Eng, J P Raufmann and co-workers identified a breakthrough in the most unusual

Gila monster' (Heloderma suspectum), seen in Arizona and Mexican deserts. The peptide was

rainly in the saliva of this lizard and was called extendin-4. It is a potent agonist at the GLP-1

ceptor of insulin secreting beta cells in pancreas and remains effective for much longer than

Journal of The Association of Physicians of India

This rapid inactivation is due to a ubiquitous enzyme, dipeptidyl peptidase-IV (DPP-IV). 1987. Both GIP and GLP-1 are extremely short-acting. Plasma half-life of GLP is 1-2 minutes

The second peptide with incretin activity, a glucagon like peptide (GLP-1) was discovered in

Lepa, Swedana. Taila, Basti, Dhumpana, Nasya,

THE ANTISEPTIC

Krimija Shiroroga

Shiro Virechana. Pradhamana The appropriate treatment of Rrimija Shiro Roga is Tikshna Chrita, Nasya should also be Vasya, Avpida Nasya, Kawalgraha,

. Suryavarta

Kaya Virechana, irrigation of head iso be performed. nilk. Upanaha with meat of wild ith Ghrita, Taila, Vasa and Majja Ghritpana, Shiro Virechana ning Suryavarta. Sira Vedha in mals and Nasya are useful in ition to other medication can

Ananta Vata

in Suryavarta is also advisable along with the measures applied predominant involvement when considering Vata as the Rakta Mokshana, Nasya

nasya.

described to be fatal, but if the patient survives the attack of for intake along with other greasy drugs Pradeha, Avapida and Ghrita Shiro Lepa, Parisheka with cold and Snehana, Nasya with Ghrita, be considered - Shiro Virechana the following measures should headache for three days then

Ardhavabhedaka

with Ghrita, Taila and Majja, Basti, Upanaha and Shiro Basti. Shiro Virechana, Kaya Virechana, Nadisveda, Niruha and Anuvasana,

Madhukadhyavapidan, Madhuradimentioned Nasya with Sirishphala Nasya, Dashmooladyavpidana, Acharya Sushruta has also

· Sankhaka

Sankahaka Roga has been

Ardhavabhedaka is best treated

of Shirahshoola is not described Sukhasadhya. On the contrary, year and devoid of any major its severity. The Shirahshoola, specially. The prognosis of a of long chronicity with chances of relapses and is of chronic in which is not chronic than one disease is usually dependent upon of treatment can be termed even after undergoing all sorts nature, no improvement seeing when Shiroroga is having history In Samhita the Sadhyasadhyata

Scanned by CamScanner



KIRAN B. PATIL Vasya Karma

Netra roga. Urdhvanga the clavici All measure of karma is Ashtanga the disease scholars at Roga according to all Ayurvedic Nasya ther treatment Nasya organ karma 18 specially for the Shirogata Nasagata the best

Dr. Kesan B. Pu

which are situated in the Shira to eliminate the vitiated doshas, Nasya karma it is not possible Netra and Without

Murdhavirechana

· Navana

Nastahkarma

ing he for the

No	Name of Acharyas	Reference	Classification
	Charaka	Ch.Si.9/89-92 Ch.Vi.8/151	According to mode of action - Rechana, Tarpana, Shamana
			According to the method of administration -
			According to various parts of drugs utilized
			Phala, Patra, Mula, Kanda, Pushpa, Niryas Twaka
12	Sushruta	S.Chi.40/21	Shirovirechana, Pradhamana, Avapida, Nasya, Pratimarsha
2	Vagbhata	As.H.Su.20/2	Virechana, Brimhana, Shamana
4	Kashyapa	Ka.Si.4/3	Shodhana, Poorana
8	Sharangadhara	Sha.S.U.8/2.11.24 Rechana, Snehana	Rechana. Snehana

described here seperately laking the Charaka's classification as the basis, all the above mentioned types of wasya are being

Navana Nasya :

Navana is one of the important and well applicable therapies of Nasya Karma.

is generally the Sneha Nasya and is known as Nasya in general Method - Navana is administered by instilling the drops of a medicated oil or Chrita in the nose. Navana

Classification - It can be mainly classified into Snehana and Shodhana Nasya.

· Snehana Nasya :

As the word Sneha suggests, Snehana Nasya gives strength to all the Dhatus and is used as Dhatuposhaka

THE ANTISEPTIC

i) Hina Matra -(S.Chi.40/28).

schedule for Sneha Nasya

The following is the dosage

8 drops in each nostril

ii) Madhyamamatra -

each nostril. Shukti Pramana - 16 drops in

in each nostril iii) Uttama Matra -Panishukti Pramana - 32 drops

Indications of Sneha Nasya -

the following conditions: Sneha Nasya can be given in

Mukhashosha, Mukharoga (S.Chi.40/22). Darunaprabodha and Vatapittaja Akalaja Valita, Akalaja Palita, Fivrakarnashula, Timira, Nasaroga, Dantapata, Vatika Shirahshula, Keshapata, Shmashrupata, Avabahuka,

Shodhana Nasya :

Sushruta's Shirovirechana type is included in Shodhana type of vitiated Doshas. Navana Nasya. It eliminates the

can be selected. Dravyas like Pippali, Shigru etc. prepared In this type of Nasya, oil by Shirovirechana

dosage schedule according Sushruta (Su.Cht. 40/36). It can be given in following

i. Uttama - 8 drops

iii. Hina - 4 drops. ii. Madhyama - 6 drops

Indications -

Gandhagyananasha Shula, Pinasa, Ardhavabhedaka, conditions; Kaphapurna Talu & (Su.Chi.40/23) Urdhvajatrugata Kapharogas. Krimi, Pratishyaya, Apasmara It can be used in the following Aruchi, Shirogaurava, (S.Chi, 40/45) it only for

to the following seasonal schedule Nasya should be given according In healthy persons Navana

· Season Nasya given at -

(Ch.Si.9/90)

It is mainly of

two types

Types -

iii. Grishma Rutu : Evening Sharada and Vasanta: Morning

Drugs -

ii. Shodhana Nasya. i. Stambhana Nasya

iv. Varsha Rutu: Only when sun is visible.

> Pippali etc. have been mentioned as For Shodhana purpose Kalka of Fikshna Dravyas like Saindhava.

Avapida Nasya and for Stambhana

surpose Stambhana drugs have

· Time Schedule :

iii. In Vataja Roga: After Noon ii. In Pittaja Roga: Noon i. In Kaphaja Roga : Fore noon on Su.Chi.40/24; As.H.Su.20/14) administered according to the following time schedule. (Dalhana Navana Nasya should

following dose. (Dalhana on

Nasya should be given in the

Like Shirovirechana, Avapida

Dose -

een described.

S.Chi. 40/36).

Definition -It is a type of Shodhana Nasya

Indications -

Uttama Matra - 8 drops

Madhyama Matra - 6 drops Hina Matra - 4 drops

2. Avapida Nasya :

is expressed juice of leaves or (Chakrapani on Ch.Si.89). paste (kalka) of required medicine The word Avapida means

on Su.Chi.40/44)

Manasaroga

Apasmara

the following conditions. (Dalhana

Avapida Nasya is indicated in

Method -

administration of the drug in this way is known as Avapida Nasya in the nostril of the patient. The required qunantity of juice, directly cloth & is squeezed to obtain the which is placed in white & clean the required medicine is prepared (Sha.S.U.8/12). For this purpose first Kalka of

Krisharogi Stri

Raktapitta

Vishabhighata Apatantraka

Sharangdhara recommends

the

Bhaya Krodha Bhiru Sukumara Moha Mada Murchha Sanyasa Shirovedana Chittavyakulavastha

required drug (Dalhana on S.Chi It may also be given by diping the swab (pichu) into the Shrita infusion), Swarasa (juice) of the decoction) or Sheeta (colo

> 3. Dhmapana Nasya : Krimi. (Sha.S.U. 8/16).

Dhmapana or Pradhamana is a

patients suffering from Galaroga, Vishamajwara, Manovikara and the Avapida Nasya for

in the disease like Raktapitta recommended for Stambhana Sharkara & Ikshurasa have been Though Sushruta recommend Shirovirechana with churna (powder) specifically Definition specific Shodhana Nasya. Method mentioned in Charaka for Shirovirechana. Dhmapana Pradhamana described in Sushruta This type of Nasya is instilled

8

(powder of drugs) is administered In Pradhamana Nasya, Churna

27

Vol. 116 • August 2019

THE ANTISEPTIC

of Dhmapana Nasya is three According to Videha the dose

of Nasya. Hence cautions should Ch.Si.9/91) are used for this type Saindhava, Pippali, Maricha, Generally Tikshna drugs like etc (Dalhana on

ndications -

be taken during its administration.

Its indications are as follows.

Shiro Roga (Disease of the

i. Nasa Roga (Disease of the

iii. Akshi Roga (Disease of Eye)

medicated fume taken by nasal route. Acharya Sushruta has not route and eliminated by oral in Nasya. It is harmful to eye sight as Dhumapana and is not included described it as a type of Nasya. The smoking per mouth is known Dhuma Nasya is defined as

Dhuma Nasya are of the following

Prayogika. Snaihika,

nstrument -

and breadth of measuring one's It should be of 24 angulas length Dhumanadi (smoking pipe) for it. Charaka has mentioned special

measurement is for Virechana type.

32 Angula length for Sneihika Prayogika Dhuma is advocated. Dhuma and 36 Angula length of

Dose -

(Unctuous variety) and three to four times for the Vairechanic wise person should smoke twice smoking). Dhuma (eliminative variety of Once for Sneihika Dhuma for habitual variety of smoking, During the prescribed time, a

Dhuma, drugs like Aparajita. Ghrita etc. and for Vairechanic (Ch. Su. 5/20-26). Apamarga etc. should be used be used. For Sneihika Dhuma Vasa. like Priyangu, Ushira etc. should For Prayogika Dhuma drugs

Indication -

in Shiroroga, Nasaroga and Akshiroga. (Ch.Su.5/46) Dhuma Nasya is indicated

5. Marsha - Pratimarsha Nasya:

convenient procedure. Pratimarsha consists of introduction of oil Nasya 1-2 drops are given while and Marsha are same in principle, tolerated and is very much in Marsha them is of dose. In Pratimarsha but the main difference between through the nostrils. It is well Marsha and Pratimarsha both

6. Pratimarsha Nasya: Nasya the dose is 6 to 10 drops.

on Ch.Si. 9/117) daily and even in all the seasons at morning and evening. (Chakrapani Pratimarsha Nasya can be given

Method -

sniff the Sncha given in the form patient should be advised not to dropping it in the nostrils. The in the required Sneha and then

THE ANTISEPTIC

The Sneha should atleast reach secretion in gullet (Chakrapani on not be too much that could produce from nose to gullet, but it should 2 drops morning and evening

Pratimarsha can be given in

or by dissolving these drugs in

Madya, Madhu, Saindhava, Asava,

Swarasa of Shirovirechana drugs

patients, Kshta, kshama, Trishna didita, Mukhashosha, Valita, Palita Vridhdha, Bhiru, Sukumara, Weak Any age, Any season, Bala,

season i.e. in Varsha and Durdina Even in not suitable time &

Contraindications -

(As.H. Su.20/26-27) Madhyapi, Badhirya (deafness), Pratishyaya, Krimija Shiroroga, Bahudosha, Utklishta Doshas It is contraindicated in Dushta

the Pharmacological action. Classification of Nasya according

action, viz. according to their pharmacological classified Nasya into 3 groups Charaka and Vagbhata have

i. Rechana (Virechana) means purificatory,

II. Iarpana (Brimhana) means nourishing

iii. Shamana (retraining)

Nasyakarma into only two groups, classification of Charaka. types can be included into the Karshana types of Nasya. All these Kashyapa stated Brimhana and this classification and divided have omitted Shamana from viz; Shirovirechana and Snehana Sushruta and Sharangdhara

1. Rechana Nasya (Virechana

Definition -

from Urdhvajatrugata part of to elimination of vitiated Doshas the body. Churna (powder) of The Rechana Nasya denotes

drugs specific for those diseases. Pitta and Mutra or mixed with the

Shira. (Ch.Su.9/93). Stambha, Supti and Guruta of Kaphaja type of Shiroroga like It is indicated specifically in

(A.San.Su.29/5). (Su.Chi.40/23). Urdhvajatrugata Urdhvajatrugata Kaphaja Vikara Arochaka, Shula, Shirogaurava, as Shleshma Abhivyapta in given its other indications Pinasa, Talukantha and Shirokrimi, Sushruta and Vagbhata have Dadru and Kotha Praseka, Vairasya, Pratishyaya,

to the airaid, women, weak and delicate patients. Sneha is particularly indicated Rechana Nasya prepared in

Patients of Galaroga, may be given Shirovirechana and Swarasa also, but if the Sarpadansha and Murchha Manovikara, Abhishyanda Sannipataja Jwara, Atinidra, (As.San.Su.29/6). then Churna should be used Nasya with Kalka, Churna immediate effects is required,

2. Tarpana Nasya :

considered as the synonyms of Tarpana Nasya of Charaka, Snehana Nasya described by Sushruta and Sharangdhara and Brimhana Nasya mentioned

Si.9/96-97). It may also be given Drugs like Apamarga, Pippali, Maricha etc. may be used (Ch. prepared with the Shirovirechana with Tikshna Sneha, Kwatha or the required drug or the Sncha with Vatapittahara drugs should each other. The Sneha prepared with the drugs described useful for to Vagbhata, Sneha prepared with employed (Ch.Si.9/97). According be used and the drugs of Madhura Snigdha and Madhura drugs or Skandha (Ch. Vi.8/139) may also be

Indications -

administered. (As.San. Su. 29/6) used. Exudations of certain trees, that particular disease should be

meat soup and blood also may

of Snehana Nasya for prompting Ardita. (Ch.Si.9/94). for curing the Shirahkampa and vision power. It is also used Roga. Sushruta also advised the use Darunaka and other Vatapittaja the strength and increasing the Shiroroga, Dantapata, Keshapata, It is specifically used for Vatika

3. Shamana Nasya :

Definition -

Charaka and Vagbhata have of Dosha situated in Shirah (head). Nasya is used for the alleviation described Shamana Nasya only. As the name indicates, Shamana

Snehana and Marsha-Pratimarsha beneficial drugs may be used for The Sneha prepared with the Shamana Nasya. It may be correlated with

Raktapitta. (Ch.Si.9/95) It is also and Khalitya, Darunaka, Raktaraji indicated in Akala Valita, Palita Vyanga and Nilika. It is used to stop bleeding in

Indications of Nasya

specific indications of Tarpana discussed in the classification of in all diseases except in the Nasya etc. have already been Avapida, Dhmapana and Dhuma Nasya, Shirovirechana, Navana, Nasya, Shodana Nasya, Shamana conditions mentioned earlier. The Nasya therapy may be given

where Nasya therapy should be the following general indications Nasya, but Charaka has described

Scanned by CamScanner

Arbuda, Hanugraha, Skandharoga Shula Apatanaka, Danta Harsha Stambha Apatantraka, Netra Mukharoga, Ansashula Karnashula, Upajihvika, Pinasa Manyastambha Timira Galaganda, Vartmaroga Netragata Galashundika, Raji Swarabheda, Shirahshula Grivaroga, Akshishula Ardhavabhedaka Vakgraha Nasa Shula Ardita, Shirostambha, Gadgadatva Roga Shukra Danta Galashaluka Chala. Danta Danta

Suitable time for giving Nasya:

in hot places. and in cold season it can be given seasons, for example in summer conditions of the above mentioned any season by providing artificial in emergency it can be given in Sharada and Vasant Rutu, However Nasya should be given in Pravrita. Nasya can be given in cold places According to Charaka generally

of most of which could be in Bangladesh starting from disease in pigs but 300 in 1998. It produced mild first isolated in Malaysia there occurred outbreaks traced to fruit bats and 2001 onwards the source numan fatalties. Then ngestion of date palm sap Human Nipah virus was

JAPI

Role of Laghusutshekhara Rasa Ardhavabhedaka W.S.R. to Migrain

KIRAN B. PATIL

Key Words: Ardhavabhedaka , Migraine, Headache, Laghu Sutashekhara Rasa

Introduction:

In Avurvedic text, almost all the Acharayas have mentioned Ardhavabhedaka in Shiro-roga. Acharaya Sushruta has mentioned 11 types of Shiro-roga in Uttar Tantra. Ardhavabhedaka is one among them in which paroxysmal unilateral headache associated with pain of varying intensity is seen. Ardhavabhedaka can be scientifically correlated with Migraine due to its cardinal feature "half sided headache" which is also explained by commentator Chakrapani as "Ardha Mastaka Vedana" (Ch. Su. 7/16) and also due to its paroxysmal nature.2.5.

The term "migraine" refers to a syndrome of vascular spasms of the cranial blood vessels. Symptoms of a migraine attack may include heightened sensitivity to light and sound (sonophotophobia), nausea, auras (loss of vision in one eye or tunnel vision), difficulty of speech and intense pain predominating on one side of the head.¹⁰

Maximum Nidanas show the predominance of Vata dosha. Vata gets provoked by addiction to dry articles or excess of diet or eating on a loaded stomach. The quantity of food to be taken depends upon the power of digestion (Ch.Su.5/3). Though even light food article, if taken in excessive quantity can produce Agnimandhya (Ch.Su.5/7) resulting in Amarasa formation which obstructs the channels and aggravates all the three doshas.

Specially Contributed to 'The An Vol. 113 No. 12 & P : 32 - 33

The other factor exposure to Materials &Methods: eastern wind leads to constriction of blood vessels due to Sheeta Guna of Vata causing headache Similarly suppression of natural urges obstructs the movements of Vata. Excessive sexual indulgence produces degeneration of Dhatus in reverse order (Ch.Si.8/24-25) Also the various types of pain like Toda, Bheda, etc are suggestive of "Vishama" nature of Vata dosha. 6,7

In modern science the nidanas are explained as triggering factors such as Junk food, Skipping breakfast, Fasting habits, m Addiction to tea or coffee, Sunlight, Emotional and Physical Noise, etc.

All Shiro-rogas are due to tridosha prakopa and chiefly due to Vata or Vata- Kapha. Thus, Ardhavabhedaka, a sadhya type of Shiro-roga can be best managed with ausadhis having Ushna, Snigdha, etc Vatahara or Vata-Kaphahara properties. Various internal Rasausaddhis like Shirah-shooladi Vajra Rasa, Laghu Sutashekhara Rasa, Navjivana Rasa, etc have been mentioned in Bhaisajya Ratnavali, Rasa Tarangini, etc. For the present study Laghu Sutashekhara Rasa has been selected from the text Rasa Tarangini, which possesses the properties like digestive, anti-oxidant, anti-inflammatory erties and the ingredient Gairika, Shunthi, bete leaves possesses Vata-Kaphara property.^{3,4,9}

To evaluate the role of Laghusutshekhara Rasa in Ardhavbhedaka w.s.r. to Migrain THE ANTISEPTIC

Inclusion criteria:

- 1) Patients in the age group 20 to 60 years, presenting with signs and symptoms of Ardhavabhedaka-Migraine described as per Ayurveda and modern science were included in the study.
- 2) The diagnosis of the disease was done on the basis of clinical manifestations like recurrent attacks of headache, mostly unilateral in site, variable in intensity, frequency and duration with or without nausea, vomiting, aura and GI tract symptoms.

Exclusion criteria:

- 1) Sinusitis, hypertension, fever.
- 2) Secondary headache caused by meningitis, tumour, encephalitis, cervical spondylitis and refractive
- Patients using any other systemic drugs which may alter the results of study.

Laghusutshekhar Rasa was given in 30 patients 500mg two times per day for 45 days.

Gradation For Associated Symptoms:

- 0 = No symptoms
- 1 = Mild (can do his/her work)
- 2 = Moderate (forced to stop
- Severe (forced to take

December 2016

Excruciating (force to take medicine)

- 1) Age: The study of incidence of age showed that maximum number of patients were belonging to age group of 21-30 years i.e. 42.90% and 31-40 years of age group was also very common (28.10%).
- 2) Sex & occupation: The incidence of sex showed that 75.25% patients were female with 60.81% having occupation as house wives.
- 3) Religion: Maximum patients were Hindu (84.09%).
- 4) Education: Maximum patients 41.82% were found as graduate. This class of people is conscious about knowledge of triggering factors, recurrence of disease, its period of chronicity.
- 5) Marital status: Maximum patients 79:82% were married.
- 6) Socio-economic status: The incidence of socio-economic status outcome was that 42.36% the patients belonged to middle class.
- 7) Habitat: The habitat wise distribution showed that 63.36% patients were living in urban area. Here, the disease may be due to their mechanical and speedy life.
- 8) Family history: Regarding family history, 62.09% patients had negative family history.
- 9) Personal history: Maximum patients were vegetarian (65.64%) with moderate appetite (63.91%) and regular wel habit (71%). Maximum patients were having addiction of tea (55.09%).
- 10) Sharirika Prakriti: Regarding Sharirika prakriti, Vata-Kapha Prakriti was observed maximum

Shirah is a main control system of all bodily ailments. Alteration

in the activity of the Shirah influences all body tissues and it is also influenced by body tissues Commenta

Migraine can be a challenging disease to diagnose because is a clinical diagnosis based of symptoms that are subjective and erifiable only by the patient. Most Migraine headaches characterized by severe throbbing pain on one or both sides of the head (which may move to the other side), nausea, vomiting, dizzines and visual disturbances caused dilation and constriction of the blood vessels in the head. Patients from 21-40 yrs of age group, females, housewives, married and middle class people were more prone to Migraine. Migraine sufferers had acute onset with severe intensity and unilateral episodic pain with continuous rhythm. Migraine has a circadian rhythm similar to several diseases of vasoconstriction, such as MI, angina pectoris and ischemic stroke. Most sufferers were taking Analgesics, which suggested that they had never consulted a doctor or have stopped doing so, which shows the chronic nature of the disease. Chronic Migraines may occur from overuse of migraine medications (rebound headache) or may develop over time (transformed migraine).

Laghu Sutashekhara Rasa was having significant improvement on all the parameters like Headache, Nausea, Vomiting and on other associated symptoms of the disease Ardhavabhedaka. Ayurveda proved better in the management of the disease i.e., Laghu Sutashekhara Rasa proved to be a good effective therapy in curing the disease. It can be concluded that there is satisfying scope of suggesting these Ayurvedic management as safe and effective procedure for Ardhavabhedaka

- 1) Arundatta:
- Astanga Samgraha (1980): By Vriddha Vagbhata with Induvyakhya: 1s Ed.Srimada Atreya Prakashan, Pune
- Bhavamishra (1956): "Bhava Prakasha" with Vidyotini Hindi Commentary by Brahmasankar Shastri, Chaukhambha Sanskrit Series, Varanasi.
- Chakrapani: Ayurveda Dipika Commentary on Charaka Samhita, Edited by Yadavaji Trikamji Acharya Chaukhambha Sanskrit Sansthana
- Chakrapani Datta (1976): Chakradatta with Bhavarthasandhipani Hindi Commentary by Tripathi Jagadishvaraprasad, Edited by Pt. B. Mishra, Chaukhamba Sanskrit Series Office, Varanasi, India.
- Charaka: Charaka Samhita with Englis translation of Chakrapani Commenta by Bhagwan Das, Chaukhamb Sanskrit Series, Varanasi.
- Dalhana: Nibandha Samgraha Commentary on Sushruta Samhita, edited by Y.T. Acharya, 4th edition, Chaukhambha Orientalia, Varanasi.
- Database on Medicinal Plants used in Ayurveda CCRAS Dept. of ISM and H, Ministry of Health and Family Welfare, Govt. of India, Volume 1 to 6: 2000, 2001, 2001, 2002, 2002, 2004 respectively.
- Harrison: Principles of Internal Medicines, 15th International Edition, edited by Eugene Braunwald, Anthony S. Fanci, Stephen L. Hauser, Dennis L. Kasper, Dan L. Longo, J. Larry Jameson and McGraw-Hill Medical Publishing Division, Vol. I.
- Sachitra Shalakya Tantra by Dr.R.C.Chaudhari.
- 12) Suraj Shoor Study on role of manasika bhavas in aetiopathogenesis of Shirahshoola (migraine) and its management 2003 Thesis, Dept. of Kayachikitsa, I.P.G.T. & R.A., G.A.U. Jamnagar.



33

December 2016

THE ANTISEPTIC