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Effect Of Putapaka In Netrarog: A Literary Review

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ABSTRACT

According to Ayurveda, the local treatment procedures of *Netra* or Eye are explained as *Netra-Kriyakalpas*. These kriyakalpas help to alleviate the diseases to strengthen the proper functioning of netra. Mode of application of medicine is very specific in case of eye diseases. Based upon that 7 *Kriyakalpas* have been explained by ancient *Acharyas* & *Putapaka* is one among them. *Putapaka* is a highly modified procedure for ophthalmic medication in which *Putapaka Rasa* is used in the same mode of application as that of *Tarpana*. It is indicated specially in *kapha* predominant conditions but also can be used in *vata* & *pitta* predominant conditions. The Aim for the selection of this topic is to share the modified & practical method for preparation of *Putapaka Rasa* with the scientific community & also dis- cuss about the necessity of doing *Putapaka* as it is not practicing by *Shalakya* Professionals regularly because of its time consuming & lengthy procedure which needs efforts to prepare medicine (*Putapaka Rasa*).

Keywords: *Putapaka*, *Kriyakalpa*, Eye treatments; Eye Rejuvenation therapy, Eye relaxing procedure.

INTRODUCTION-

Netra-kriyakalpas-

1.In this Kriyakalp word, *Kriya* means therapeutic action & *kalpa* means specific formula- tions^[1] *Kriya-kalpas* are local treatment procedures of *Netra* (Eyes). These are spe- cially modified procedures to suit the ana- tomical & physiological peculiarities of eye.

2. The oral drugs find it difficult to cross blood-aqueous, blood-vitreous & blood- retinal barriers to reach the target tissues of the eye. The topical drugs can reach there & achieve higher bio-availability.

3. The tissues contact time of the drugs can be controlled in *kriya-kalpas* & they are the eye.^[2] They are equally important to selected depending upon the stage & *Shalakyatantra* as *Panchakarmato Kay- achikitsa*. They help to alleviate the diseases & to strengthen the proper functioning of the eye.^[3] severity of the disease.

4. The medications can be judiciously selected i.e. to increase *ushnaorsheeta*, *snigdha* or *rookshaguna* in the local area. Thus *Kriya-kalpas* are *bahirparimar-high* concentration of the drug can be *janachikitsa* & has several advantages over oral administration as mentioned below ^[1]

1. The drug given orally will undergo digestion by applying the medicines to the eye.

Types of *Netra-Kriyakalpas*^[4]

According to *Charak*- 3 types-*Aschyotana*, *Anjana*, *Bidalaka*.

According to *Sushruta*- 5 types-*Seka*, *Tarpana*, *Putapaka*, *Aschyotana*, *Anjana*.

According to *Vagbhata*-6 types- *Seka*, *Aschyotana*, *Bidalaka*, *Anjana*, *Tarpana*, *Putapaka*^[5]

According to *Sharangadhara*-7 types-*Seka*, *Tarpana*, *Putapaka*, *Aschyotana*, *Anjana*, *Pindi*, *Bidalaka*.

Application inside the eye- *Seka*, *Aschyotana*, *Tarpana*, *Putapaka*, *Anjana*.

Application outside the eye -*Pindi*, *Bidalaka*.

What is *Putapaka*?

Putapaka is a procedure in which *Pu- tapaka Rasa* is used in the same mode of application as that of *Tarpana*.^{[2] [8] [12] [13]} Just as the body becomes fatigued after *Snehapana* therapy, eyes become fatigued after *Tarpana* therapy; in order to restore the strength to the eyes *Putapaka*- should be done in indicated diseases.^[6]

Classification of Putapaka^{[6][7][8]}

Based on the action of the drugs used- 3 Types-*Snehana*, *Lekhana*&*Ropana*(or *Prasadana* according to *Vagbhata*)

Type of Putapaka	Indications	Animal Factors	Element Factors	Herbal Factors	Dravadya	Temp. of Drava	DharanKa al	Avadhi
Snehana	Vatapre-dominant disorders, rough & dry eyes	Fat, bone marrow, Muscle fat, meat Of <i>Bhusha-ya</i> , <i>Prasaha</i> , <i>Anupaani-Mals</i>	-	<i>Jeevan-eeya gana</i> , <i>Kakol ya-digana</i> , <i>Madhur-Rasadravya</i> etc	Milk	<i>Sukoshna</i> (lukewarm)	200 <i>matra Kaal</i>	3 consecutive days
Lekhana	<i>Kaphapre-hapre-dominant Diseases</i>	Liver or meat of animals living in <i>Jan-galadesh</i>	<i>Loha</i> , <i>Tamra</i> , <i>Shankha</i> , <i>Praval</i> , <i>MuktA</i> <i>Bhasma</i> , <i>Samudra-phen</i> , <i>Kaseesa</i> ,	<i>Shunthi</i> , <i>Pippali</i> , <i>Maricha</i> etc.	Mas Tu	<i>Sukoshna</i> (lukewarm)	100-200 <i>matra Kaal</i>	1day

			<i>Sro-tonjana</i> , <i>Saindhava</i> etc.					
Ropana	<i>Pitta-Rakta pre-</i>	<i>Jan-galamamsa</i>	-	<i>Dravyas</i> with <i>Tikta Rasa</i> ,	Bre Ast Mil	<i>Sheeta</i> (below body temp)	300 <i>matra Kaal</i>	Maximum 3

	domina-nt Diseases (Ac-cordin-g to some <i>Kapha-Pitta</i> pre-domina-nt diseases)			<i>Madhu</i> (Honey)etc.	k, <i>ghri Ta</i>			days
Prasa Dana	In weak-ness of eyes, <i>Vata, pitta & Rakta</i> disorders, for healthy Persons	Liver, marrow, muscle fat, in-testine, heart of animals & birds etc.	-	<i>Madhur Rasa dravya</i>	Mil k, <i>ghri Ta</i>	<i>Sheeta</i>	300 <i>matra Kaal</i>	2 con-sec-utive days

Material and Methods –

Classical method for preparation of *Pu- tapaka Rasa*^[8]

Covered it with poultice of mud - Placed inside fire of wood of *Dhava* or dried cow

Fresh meat of animals & herbal drugs dung & made to red hot -Taken out me- (each equal to size of *Bilva* fruit) crushed dicinal ball & cooled to atmospheric temp -thoroughly-Made into a paste us in perature -Removed the mud & *gdrava- dravya* like milk, *ghrita*, *Kashaya*- Covered & packed up using medicinal leaves like *Arka /Eranda / Vata /Kamalini* leaves Squeezed & extracted the juice (*Rasa*) -Filtered thoroughly -Ready for procedure

(Shows classical method of preparation of *Putapaka Rasa*)

As classical / textual procedure for prepa- ration of *Putapaka* is very time consuming & needs efforts to prepare medicine (*Pu- tapaka Rasa*), many professionals are not practicing it. But if it is prepare in a very easy method without so much of efforts then it can be used easily as like *Tarpana*. Here are some modified & practical proce- dures for preparation of *Putapaka Rasa* which are very easy & useful in this mod- ern era.

Modified & Practical procedure for preparation of *Putapaka Rasa* Procedure-1:-

Fresh meat of animals & herbal drugs (each equal to nearly 60 gms)^[2] crushed thoroughly - Made into a paste using- *drava- dravya* like milk, *ghrita*, *kashaya* in a mixypot - Covered & packed up using medicinal leaves like *Arka / Eranda / Vata*

Kamalini -Tied it properly using a thread & covered it with *akora* cloth & made it

like *apottali* - Placed it inside a bowl & kept bowl in a pressure cooker & allowed 2 whistles - Taken out the *pottali* & cooled it to atmospheric temperature - Removed all the coverings - Squeezed& extracted the juice (*Rasa*) - Filtered thoroughly - Ready for procedure

Procedure 2:-

Initial steps are same as mentioned above - After covered the paste with medicinal

leaves, it is tied with a thread -Applied *multanimitti* over it - made like a ball & allowed to dry Kept this ball on gas flame & waited till it became red hot like fire - Allowed it to cool & squeezed the *Pu- tapaka Rasa* -Filtered thoroughly - Ready for procedure

Procedure-3:-

In vegetarian patients, Simple *Putapaka* can be prepared by using all other ingredients except meat of animal or fat in the same way as that of procedure-1.

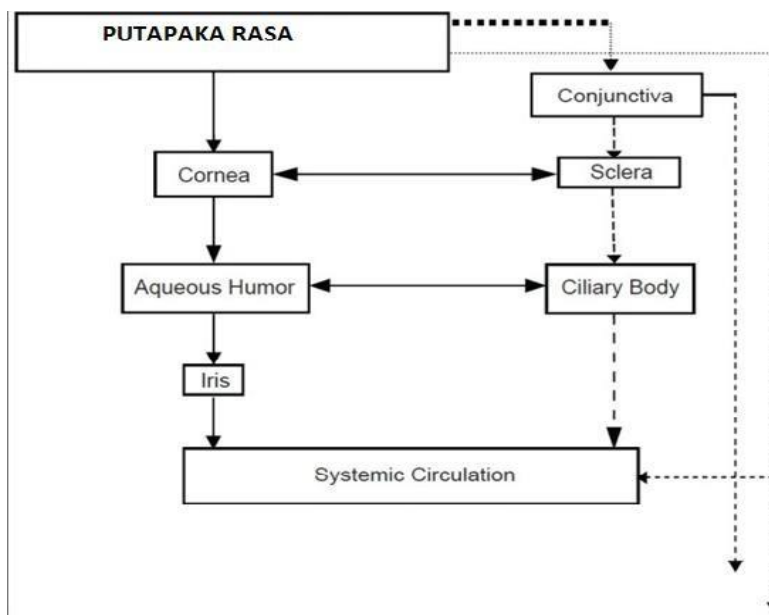
This is also found to be very useful & effective in many patients.

Possible Absorption of *Putapaka Rasa*^[9]

Most of the ophthalmic medications are formulated to be applied topically. The classical pharmacokinetic theory based on the studies of systemically administered drug does not fully apply to all ophthalmic drugs. However, similar principles of absorption, distribution, metabolism & excretion are applicable to the drug disposition in the eyes. Possible absorption pathways of an ophthalmic drug, following topical application to the eye, are shown schematically.

DISCUSSION:

Eye diseases are very common today due to long hours of work on computer, poor eating habits, long & frequent journey, insufficient sleep & other reasons. In today's Modern & fast life style, everyone wants fast relief from all kind of trouble in some eye diseases. Eye drops & eye ointments are only local treatment of choice for Modern Science. Most of the eye drops & eye ointments contain preservatives that inhibit bacterial growth & keep them safe. But some people are sensitive or even allergic to these preservatives. Eye drops containing preservatives actually can cause irritation, redness & more dryness, rather than easing the symptoms. To avoid all such problems & for getting effective relief from eye diseases, *Netra- kriyakalpas* are, the important source of eye treatment, various drugs can be selected according to the stage & types of the disease & and can be used in various (Solid black arrows represent the corneal route & dashed black arrows represent the Conjunctival / Scleral route)



Many professionals says *Netra- kriyakalpas* are a supporting treatment, not the main treatment but this supporting treatment plays a major role in treating many eye diseases if used properly in right time. The main aim of any pharmaco-therapeutics is the attainment of an effective concentration at the site of action for a sufficient period of time to elicit the response. Thus for obtaining the desirable concentration & effectiveness, *Putapaka rasa* can be prepared by using variety of formulations (drugs) according to necessity of disease. As *Putapaka* is one of the very effective *Netra- kriyakalpa* & it still has remain unpractised only because the procedure for preparation of medicine (*Pu- tapaka Rasa*) is very time consuming, lengthy & practically difficult. With the help of Modified procedures, it is easy to prepare *Putapaka rasa*. There is a necessity of practicing *Putapaka* because it is meant to facilitate the absorption & assimilation of *ghrita* after *Tarpana* ^[2] It empowers the eyes & helps to improve the vision

^[10] as in *Timira* (Refractive error), *Kach* (Immature Cataract), *Avrana Shukla* (Corneal Opacity) etc. It improves the strength of eyes. It helps to cure the diseases & also prevent complications.

CONCLUSION:

The modified procedures for preparation of *putapaka Rasahas* been found to be more practically useful than classical procedure & it is equally effective. There are very few articles or case studies available on *Putapaka*. Moreover practicing *Putapaka* is becoming rare day by day, with a threat that this well known effective *Ayurveda* eye treatment will disappear in future. To contribute to keep *Putapakaa* live all *Shalaky* Professionals should practise it regularly.

REFERENCES:

1. Netra Kriya Kalpam-Scribd, Available Online At <http://www.scribd.com/doc/241040086/Netra-Kriya-Kalpam> [Cited 2 Apr.2015]
2. Ophthalmology In Ayurveda, Dr. Shantakumari, 2002 Edition, Chapter Netrakriyakalpam, P.361-363
3. Ayurvedictreatment For Eyes. Natural Treatment For Eyes, Available Online At www.selfgrowth.com/article/health-fitness/alternative-medicine [Cited 2 Apr.2015]
4. Kriyakalp As Shantala Priyadarshini 1207- Slide Share, Available Online At www.slideshare.net/Shantalapriyadarshini/Kriya-Kalpas [Cited 2 Apr.2015]
5. Netra Kriyakalpa By Dr.Kiran Patil- Boloji.Com, Available Online At www.boloji.com/index.cfm?md=content&sd=articles&articleid [Cited 3 Apr.2015]
6. 24. Tarpana-Putapaka Vidhi, Available Online At [Taniasayurveda.dworkpress.com](http://taniasayurveda.dworkpress.com) [Cited 3 Apr.2015]
7. Tarpanaputapaka- Ayurveda Eye Care- Ashtanga, Available Online At easayurveda.com/.../Tarpana-Putapaka-Ayurveda-Eye-Care-Ashtanga-Hru... [Cited 3 Apr.2015]
8. Ashtanga Hrudayam Of Vagbhata, Vidwanmanoranjinihindi Commentary By Pt.Kashinath Shastri, Edited By Dr.Indradevtripathi, Dr. Sri- kantaTripathi, Introduction By Lakshmidhardwivedi, Krishnadas Academy Varanasi, 1st Edition, 1994, SutrasthanaChapter-24, Tarpana- Putapakavidhiadhyaya, P 219-220
9. Referred From An Article On A Comparative Study Of BilwadiYoga Aschyotana & Eye Drops In Vatajaabhishyanda (Simple Allergic Conjunctivitis), Jayashriudani, D B Vaghela, Manjusha Rajagopala, Available Online At www.ayujournal.org/article.issn:0974-8520,year2012,vol.33,issue.1,p97-101 [Cited 4 Apr.2015]
10. Putapaka-Indiamart, Available Online At www.indiamart.com/sri-sadguru-chikitsalaya/eye-ear-

Treatment.Htm [2apr. 2015]

11. Referred From An Article Onkriya- kalpa-A Broad Way To Treat The Eye Diseases, Rajendra Kumar Soni, Gari- masrivastava, K S Dhiman, Available Online At Www.Wjpps.Com/Download/Article/ Wjpps-Issn: 2278-4357, Vol.3, Issue: 9, P1247-1258 [Cited 3 Apr.2015]
12. Sushruthasamhita Of Sushrutha, Uttara- rardha, Ayurvedatvatvasandipika, Hindi Commentary By Kavirajdr. Ambi- kaduttashastri, Chaukhambasanskrit- samshtan, Varanasi, 14th Edition, 2001, Chapter18, P71-75
13. Sharangdharsamhita Of Sharangad- hara, Dipikahindi Commentary By Brahmanandtripathi, Uttarkhand, Chapter13, Edition 2011, P424, 429-432
14. Prachya-Prachyatya Vigyan Anusari Netraroga Vigyan, Dr.N.J. Vidwansa, Ananadprakashan, Amravati, Chapter Kriyakalpa, Edition 2004, P354-361
15. Sachitrashalakyavi- gyan, Dr.Ravindrachandrachaudhury, Chaukhambaorientalia, Varanasi, 7th Edition, 1993, Chapter13, P 232-235/240-247

