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Review article

Review on Pharmacokinetic and Pharmacodynamic action of *Chandraprabha Vati*

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ABSTRACT:
Chandraprabha Vati popular medicine in Ayurveda, which is used by many of the Ayurvedic Practitioners in day to day practice. It is mostly used for diseases like *Prameh, &* other diseases of Uro-genital system e.g *Mutakruccha, Mutraghat, Andavrudhi, Indriyashaithilya (*Jananendrya), etc. Here we trying to write a hypothetical view on *Chandraprabha Vati* as pharmacokinetically & pharmacodynamically that how the *Chandraprabha Vati* acts on different stages of *samprapti* of certain selected diseases which are stated in *phalshruti* [1] of *Chandraprabha Vati* and which symptoms are reduced by *Chandraprabha Vati.*

KEY WORDS: *Chandraprabha Vati, Prameh, Mutakruccha, Mutraghat, Andavrudhi, Indriyashaithilya (*Jananendrya).

INTRODUCTION:

Chandraprabha Vati is described in *Bhaishajya ratnavali* under *Prameh* disease *rogadhikar* which is popular formulation used by many of the Ayurvedic practitioners for day to day practice. In the *Phalashruti* of *Chandraprabha Vati Bhaishajyaratnavali* described the following disesases like *Prameh, Mutakruccha, Mutraghat, Andavrudhi, Indriyashaithilya (Jananendrya), Mutrashamari, Pandurog, Kamala, Halimak, Dantrog, Netrarog, Aartav ruja, Shukradosh, Agnimandya, Aruchi, Kasa, Shwas.* Also *Bhaishajyaratnavali* stated that *Chandraprabha Vati* is *Balya, Vrushya, Rasayani.* So in this article I will put hypothetical view on explaining how *Chandraprabha Vati* would work in certain selected diseases. In short review a pharmacokinetic & pharmacodynamic action of this drug will be discussed.

MATERIALS AND METHODS:

In *Bhaishajyaratnavali,* Chandraprabha *Vati* is explained. *Vacha, Musta, Bhunimb, Devdar, Haridra, Ativisha, Daruharidra, Pippalimool, Chitrak, Nishottar, Danti, Twak, Ela, Tamalpatra, Vanshalochan, Dhanyak, Trifala, Chavya, Vidang, Gajapippali, Suvarnamakshik, Trikatu, Panchalavan, Lohabhasma, Sita, Shilajatu, Guggulu* are the ingredients of Chandraprabha *Vati.* [2] This is an *khalviya rasayan kalpa.* It is useful for the breaking of specific *samprapti* stages and to reduce symptoms and suffering. To enhance the potency and *Gamitva* of drug it is given with *Trifala Kwath* or *Guduchi Kwath* or *Sharkarajal* as *Anupan.* We have used *Samhitas &* previous articles [3] which are published for reference purpose.

Study design –

1. Pharmacokinetic action of Chandraprabha *Vati.*
2. Pharmacodynamic action of Chandraprabha *Vati.*

Review and study on Pharmacokinetic action of *Chandraprabha Vati* –

The *Ras, Vipaka, Virya, Gun* and *Karma* as pharmacokinetics of drug are separately explained in [Table No. 1].

Review and study on Pharmacodynamic action of *Chandraprabha Vati* –

***Prameh* –**

In *Prameh* all the three *Dosha* are vitiated, but in that *Kaph* is predominant [4]. The main factors during *Samprapti* are *Kledak kaph dushti, Dhatwagni mandya, Dhatushaithilya, Kled.* Most of the drugs in Chandraprabha *Vati are Katu -Tikta rasatmak, Laghu - Ruksha Gunatmak & Ushna Viryatmak* which helps to *Kledak kaph dushti. Deepan, Pachan karma* of Chandraprabha *Vati* reduces the *Dhatwagni mandya.* Due to *Rasayan karma, Chandraprabha Vati* reduces the *Dhatushaithilya. Kled* is an another main factor responsible in *Samprapti* of *Prameh.* As described in *Samhitas Kledvahan* is *karma* of *Mutra* and *Chandraprabha Vati* contains drugs like *Musta, Devdar, Tamalpatra, Dhanyak*, etc are *Mutrajanak* in nature which reduces the *Kled.*

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Table No. 1: Ras, Vipaka, Virya, Gun and Karma of Dravyas

Sr. No.	Dravya	Rasa	Vipak	Virya	Guna	Karma
1	Musta [7]	Katu	Tikta	Shita		Mutrajanan
2	Kadechirayit [8]	Tikta			Laghu	Deepan, Pachan
3	Devdar [9]	Tikta	Katu	Ushna	Laghu, Snighad	Mutrajanan, Vaatanuloman
4	Haridra [10]	Katu,Tikta		Ushna	Ruksha	
5	Ativisha [11]	Katu, Tikta		Ushna		Vrusha, Balya
6	Daruharidra [12]	Katu,tikta		Ushna	Ruksha	Shelsamaghna
7	Pippalimul [13]	Katu		Ushna	Laghu, Ruksha	Kaafhar
8	Chitrak [14]	Katu	Katu	Ushna	Laghu, Ruksha	Shelsmahar
9	Trivrutta [15]	Madhur		Ushna	Ruksha	Bheedaniya
10	Danti [16]	Katu	Katu	Ushna	Tikshna	Rechak
11	Tamalpatra [17]	Madhur		Ushna	Laghu	Mutrajanan
12	Twak [18]	Tikta				Balyakar, Shukrajanan
13	Yela [19]	Katu	Katu	Ushna	Laghu, Ruksha	Vaatanulomak
14	Vanshalochan [20]	Kashaya		Shita		Vrusha, Balya
15	Danyak [21]	Kashaya, Tikta, Katu		Ushna	Laghu	Mutrajanan
16	Chavya [22]	Katu		Ushna	Laghu, Ruksha	Kaafhar
17	Vidanga [23]	Katu		Ushna	Tikshna, Ruksha	Vaatanulomak
18	Gajpippali [24]	Katu		Ushna		Pachak, Vaathar
19	Suvarna Makshik [25]	Madhur, Tikta				Vruhsa, Rasayan
20	Shunthi [26]	Katu	Madhur	Ushna	Snighad	Kaafaghan, Vrusha
21	Maricha [27]	Katu		Ushna	Tikshna, Ruksha	Kaafaghan
22	Pippali [28]	Katu		Ushna	Shighad	Kaafaghan, Rasayan
23	Panchalavan [29]				Laghu. Snighadha, Atisukshma	Kaafnisarak, Vrusha
24	Loha Bhasma [30]	Tikta, Madhur, Kashay			Guru, Ruksha	
25	Sita [31]	Madhur		Shita	Snighadh	Shukral
26	Sudha Shilajeet [32]	Katu, Tikta	Katu			Yogavahi, Rasayan
27	Sudha guggula [33]	Tikta	Katu	Ushna	Ruksha, Laghu	SukshmaStrotogamitwa, Rasayan
28	Vacha [34]	Katu, Tikta		Ushna		Mutrasodhak, vaatanulomak
29	Haritaki [35]	Kashay Pradhan Pancharas		Ushna	Ruksha	Rasayan, Vatanuloman, Bruhan
30	Bibhitaki [36]	Kashay	Madhur	Ushna	Ruksha	Kaphanashak, Malabhedak.
31	Amalaki [37]	Lavanvarjit Pancharas		Shita	Ruksha	Rasayan, Vrushya, Mutral

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Mutrakruccha –

In *Mutrakruccha*, *Strotorodh* of *Mutramarg* by vitiated *Tridoshyas & Apan yavu Dushthi* are the causitive factors [5]. Most of the drugs in Chandraprabha *Vati are Katu -Tikta rasatmak, Laghu - Ruksha Gunatmak & Ushna Viryatmak* which helps to reduce the *Avrodh* of *Mutravahstrotas.* Drugs like *Devdar, Ela, Vidang, Panchalavan* have *Vatanulimak* properties which reduces the *Apan yavu Dushti.* Pains in *Mutrakruccha* is reduced by *Guggulu.*

Mutaghat –

In *Mutraghat,* the production of *Mutra* is less[6], *Chandraprabha Vati* contains drugs like *Musta, Devdar, Tamalpatra, Dhanyak*, etc are *Mutrajanak* in nature, which enhances the production of *Mutra.*

Indriyashaithilya (Jananendrya) –

In *Indriyashaithilya* (Jananendrya), *Karmahani* of *Indriya* occurs which is reduced by *Balya & Rasayan Karmas* of *Chandraprabha vati.* The particular function of *Chandraprabha vati* is to give *Shiratava* to *Dhatus,* which helps to treat the *Indriyashaithilya* (Jananendrya).

Andavruddhi –

In *Andavruddhi,* due to *VIkrut Gati* of *Vata,* some part of *Antra* comes into the *Andakosh,* because of that *Andavruddhi* occurs. . Drugs like *Devdar, Ela, Vidang, Panchalavan* have *Vatanulimak* properties, present in *Chandraprabha vati* reduces *VIkrut Gati* of *Vata,* which healps to break the samprapti of *Andavruddhi.* The particular function of *Chandraprabha vati* is to give *Shiratava* to *Dhatus,* which helps to treat the *Andavruddhi.*

OBSERVATION AND RESULTS:

In case of *Prameh, Chandraprabha Vati* reduses the *Kledak kaph dushti & Kled.* As well as it increases the *Dhatwagni &* repairs the *Dhatushaithilya.*

In case of *Mutrakruccha, Chandraprabha Vati* reduce the *Avrodh* of *Mutravahstrotas &* provides *Prakrut Gati* to *Apan yavu.* Also it reduces the pain which is occurred in *Mutrakruccha.*

In case of *Mutraghat, Chandraprabha Vati* enhances the production of *Mutra,* which helps to break down the *Samprapti* of *Mutraghat.*

Chandraprabha Vati is a *Rasayan Kalpa.* So it acts as *Balya, Vrushya.*

Most of the drugs in *Chandraprabha Vati* having important *Karma* like *Deepan, Pachan, Vatanuloman, Mutrajanan.*

DISCUSSION:

Chandraprabha Vati is described in *Bhaishajya ratnavali* under *Prameh Rogadhikar.* Most of the drugs of *Chandraprabha Vati* are *Katu, Tikta & Kashay Rasatmak* with *Laghu, Ruksha Guna & Ushna virya.* They are having properties like *Mutrajanan, Vatanuloman, Deepan, & Pachan.* Hence they are useful in various diseases like *Prameh, Mutakruccha, Mutraghat, Andavrudhi, Indriyashaithilya (*Jananendrya), *Mutrashamari, Pandurog, Kamala, Halimak, Dantrog, Netrarog, Aartav ruja, Shukradosh, Agnimandya, Aruchi, Kasa, Shwas*. To enhance it's properties & *Gamitva Trifala Kwath* or *Guduchi Kwath* or *Sharkarajal* as *Anupan.* In this article we tried to explain how the *Chandraprabha Vati* works in above stated diseases which is our hypothesis.

CONCLUSION:

Chandraprabha Vati is commonly used drug preparation which is used for diseases related to *Mutravah Strotas & Kaph Pradhan & Kledajanya Vyadhis. Chandraprabha Vati* can be used in *Prameh, Mutakruccha, Mutraghat, Andavrudhi, Indriyashaithilya (*Jananendrya), *Mutrashamari, Pandurog, Kamala, Halimak, Dantrog, Netrarog, Aartav ruja, Shukradosh, Agnimandya, Aruchi, Kasa, Shwas* in specific *Avastha. Chandraprabha Vati* correcting the vitiated state of *Kaph* improves the functioning of *Mutravah Strotas* & results in proper functioning of *Dhatvagni.* Conceptually it is concluded that the substances having properties like *Ruksha, Laghu, Katu & Ushna* has the effect to decrease the vitiated *Kaph & Kled,* also maintain the proper functioning of *Dhatvagni*. All *Karmas* related to *Chikitsa* are in one dosage form like *Vyadhipratyanik Dravyas & Yogavahi Dravyas.* As described here the hypothetical study, clinical study is needed to find efficacy of *Chandraprabha Vati.*

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