A REVIEW OF MEDICINAL USES OF PUNARNAVA (Boerhaavia diffusa Linn.) BASED ON KOSHA AND NIGHANTUS

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Abstract: The interest towards Ayurveda is mainly because of its drugs, which are of herbal origin, and are said to be having less adverse effects in comparison to synthetic drugs. Ancient texts related to Ayurveda can be categorized into two types, one related to treatment and other related to information regarding drugs and diet, being called as Chikitsa (treatment) and Nighantu (material medica) granthas (texts) respectively. The present work aims to discuss Punarnava (Boerhaavia diffusa Linn.), in Kosha and various Nighantus as manuscripts or just as evidence - in a chronological order. Which is important herbal drug in various aspect that Punarnava has also been used successfully by some Ayurvedic practitioners for Pandu (Anemia), Shotha (Swellin

g)ing), Shopha (Swelling), Hridaroga (Diseases of CVS), Kasa (Cough), Arsha (Hemorrhoids), Vrana (Wound), Urahkshata (Pulmonary cavitations), Shoola (Colic) etc.

Keywords: Ayurveda, Punarnava, Nighantu, Kosha, Panda, Shotha, Arsha etc.

Introduction: Currently global attention is being increasingly focused on rediscovering and developing the indigenous system of medicine, Ayurveda and its utilization for Primary Health Care. In the course of thousands of year, Ayurveda continued to exist, its basic principles never changed, because they are derived from the universal laws of nature which are true. Ayurveda is said to be Anadi (One which has no known beginning) and Shashvata (one which has no end or it is eternal). This contradicts with modern scientific paradigm, where new theories often render previous understanding completely obsolete within a short period of time. Ayurveda provides knowledge of aetiology, symptomatology and therapeutics, best way for both the healthy and the sick, tri-aphorismic (trishutra) continuing from the time immemorial. The significance of drugs in medical science possesses its key role in clinical management of diseases.

Punarnava (Boerhaavia diffusa Linn.) belong to family Nyctaginaceae, commonly known as Spreading Hogweed or Pigweed. It is a weed throughout India, up to an altitude, 2000 m. Its root is credited with anticonvulsant, diuretic, laxative, expectorant, stomachic properties, also used in asthma, oedema, anaemia, jaundice, ascites, anasarca, scanty urine and internal information.

Materials and Methods
Amarkosha (5th cent. A.D.): This book is the compilation done by Amar Singh. In this book
total subject was divided into 3 Kanda. First and second Kanda include 10 chapters each and third part comprises of 5 chapters. The total subject was narrated with synonyms. ‘Punarnava’ has been mentioned in the ‘Vanausadhi Varga’ of Bhumyadi kanda with Synonyms Punarnava & Shothaghrna.

**Saurashtra Nighantu (6th Cent. A.D.):** Based on Susruta samhita. In this Nighantu ‘Punarnava’ has been described in Vidarigandhadi Gana’ with the synonyms Punarnava, Rishabhketu, Mahavarshabhu, Virshchiva, Dirghavarshabhu, Shvetamula, Raktafrinta, Kathillaka, Vaishakha, Shinati, Kshudravarshabhu.

**Ashtanga Nighantu (8th Cent. A.D.):** In this Nighantu, Acharya Vahata has described maximum group of drugs on the basis of classification of Ashtanga Sanscara and Astanga Hridaya. In addition, some drugs are also mentioned in Vipakrima varga. In this Nighantu ‘Punarnava’ has been described in ‘Vidargandhadi Gana’ with the synonyms Punarnava, Varshakhetu, Virshchiva, Shvetamulaka, Varshabhu, Dirghapatra, Vikasa, Kathillaka, Sunadik, Raktapushpa, Vishaka, Mandalacchada.

**Dhanvantari Nighantu (10th - 13th Cent. A.D.):** In the beginning of Nighantu, author pays homage to lord Dhanawantari and again he mentions its name as Dravyavali. At the end of Dravyavali author desires to describe the drugs of Dravyavali with their synonyms and after that he has described their properties and actions along with synonyms. In this Nighantu ‘Punarnava’ has been described in ‘Guduchyadi Varga’ with the synonyms Punarnava, krura, Suddhamandalapatraka, Shvetamula, Varshakhetu & Mahavarshabhu. It is Tikta in rasa, Pitta-vikar nashaka in dosha-karma, Saraka in guna-karma, and indicated in Shotha, Raktapradar, Pandu roga.

**Sodhala Nighantu (12th Cent. A.D.):** This Nighantu was composed by Sodhala in two parts named as Namasangraha dealing with synonyms and Gunasangraha dealing with properties and actions. In Sodhala nighantu ‘Punarnava’ has been described in ‘Guduchyadi Varga’ with synonyms in Namasangrah part i.e. Punarnava, Shophaghni, Viksa, Raktapushpi, Varshakhetu, Varshabhu, Mahavarshabhu, Shivatika, Sarini, Pravrsyani and Guna in Gunasangrah i.e. Ushna in virya, Kapha & Vata nashak dosha-karma, Bhedana & Rashaya in guna-karma, and it indicated in Durnama (Hemorrhoids), Vardhaman, Shopha, Udara rog.

**Hridayadipaka Nighantu (13th Cent. A.D.):** The author of this work is Bopadeva son of Keshava. The subject matter of this work is well divided into eight Vargas. It follows metric style of Paryaya ratnamala of Madhava. In this Nighantu ‘Punarnava’ has been mentioned in ‘Dvipadi Varga’, with its synonyms Punarnava, Virshchiva, Varshabhu, Shivatika.

**Abhidhanaratnamala (Sadrasa Nighantu) (13th Cent. A.D.):** In Abhidhanaratnamala ‘Punarnava’ has been described in ‘Katudravya Skandha’. Following synonyms are mentioned here Varshabhu, Dirghapatra, Vikasa, Kathillaka, Sunadika, Raktapushpa, Visala, Mandalacchada.

**Madhava-dravyaguna (13th Cent. A.D.):** In Madhava dravyaguna ‘Punarnava’ has been described in ‘Vividh-aushadi Varga’. Punarnava is Ushna in virya and Rasayana in guna-karma.

**Madanpala Nighantu (14th Cent. A.D.):** Punarnava has been mentioned in Pratham Varga of “Abhayadi varga”. Madanpala has included following synonyms i.e. Aruna, Tikta, Raktapushpa, Katilaka, Kruraka, Kshudravarshabhu, Varshakhetu & Shivatika. It is Katu, Tikta in rasa, Katu in vipaka, & Shita in virya, Vata karaka & rakta-pitta nashaka in dosha-karma, and has Shopha-anilavrina-shleshma har, Ruchya, Rasayana, , Grahi guna-karma.

**Kaiyadev Nighantu (Pathyapathy Vibodhaka) (15th Cent. A.D.):** In this Nighantu is ‘Punarnava’ described in “Aushadi Varga” with following synonyms i.e. Punarnava, Punarbh, Sada, Mandalapatrika, Shvetamula, Varshabhu, Raktapatrika, Shophaghni, Jatila, Suddhyovishoshi, Dirghapatra. Regarding its properties i.e. Madhur, Tikta, Kashaya, Katu & Kshariya in rasa, Ushna in virya, Ruksh in guna, Vatakapha nashaka in dosha-karma, Saraka, Shotha nashaka in guna-karma and indicated in Arsha, Vrina, Pandu, Visha, & Udar roga.

**Bhavaprakasha Nighantu (16th Cent. A.D.):** This book is written by Bhavamishra who is an important landmark in the history of Indian Medicine, because of the fact that he revived the style of Samhitas and contributed a good deal to various aspects of Ayurveda by adding new ideas and drugs. ‘Punarnava’ has been mentioned in ‘Guduchyadi Varga’ with synonyms Raktapunarnava, Raktapushpa, Shilatika, Shothaghni, Kshudravarshabhu, Varshakhetu, Kathillaka. It is Tikta in rasa, Katu in vipaka, Shita in virya & Laghu in guna, Grahi in guna-
karma, Vata-karaka, Kapha- Pitta-Rakta-Vikar
Nashaka in dosha-karma [14].

Gunaratnamala (16th Cent. A.D.): In Gunaratnamala of Bhavamishra ‘Punarnava’ is
described in ‘Guduchyadi Varga’. Its Synonyms are
Raktapushpapunarnava, Shilatika, Shothaghn, Kshudravarshabhu, Varshaketu,
Kathillaka. It is Tikta in rasa, Katu in vipaka,
Shita in virya & Laghu, Grah in guna and Vata-
vardhaka, Kapha,Pitta,Rakta-Vikar Nashaka in
dosha-karma. Punarnava is also mentioned in
Shaka Varga with Synonyms Punarnava,
Raktapushpa, Shivatika & Shothaghn. Its Patra-
shaka is Tikta in ras, Ruksa in Guna, Kapha
shamaka in dosha-karma, Netrya (Chakshushya)
in guna-karma and indicated in Shotha, Pandu,
Kshaya, Shvasa, Jvara & Hridaroga [15].

Rajanighantu (Nighantu Raja, Abhidhama
Chudamani) (17th Cent. A.D.): This book is
written by Narhari Pandit, who has add first
Dravyaguna in Astanga Ayurveda and also gives
it first place in astangta Ayurveda. This book is
particularly based on the Dhanwantari nighantu.
The subject matter has been divided into 23
chapters. ‘Punarnava’ has been described in
‘Parpatadi varga’ with the Synonyms Raktapunarnava,
Krura, Mandalpattrika, Raktakanda, Varshketu, Lohita, Raktapatrika,
Vaishakh, Raktavarshabhu, Shophaghni,
Raktapushpika, Viksvara, Vishaghn, Pravrishenyka, Sarini, Varshabhab, Shorapatra,
Samvalitadruma, Punarnav, Nav, Nachya. It is
Tikta in rasa, & pitta Nashaka in dosha-karma,
Sarana in guna-karma and indicated in Shopha,
Raktapradara Pandu rog [16].

Adhunikala: ‘Punarnava’ is explained in
text books of modern periods such as Dravya
guna vigyan by Dr. P. V. Sharma, Priya
nighantu, Shankar nighantu, Ayurvedic materia
medica, Wealth of India and other books written
by recent Acharyas, which provide information
about its habit, habitat, morphology, chemical
composition etc.

Nighantu Adarsa (20th Cent. A.D.): This book was
published in Gujarat, its author, is Vaidya
Bapalalji who is the authoritative person of 20th
century for identification of Ayurvedic plants. He
has mentioned all the relevant materials from
different Ayurvedic texts as well as modern
medical and botanical works. In Adarsa nighantu
‘Punarnava’ is described in ‘Punarnavadi Varga’
with the synonyms Raktapunarnava, Vishakha,
Katilla, Kathila, Shothaghn, Mahavarsabhu. It is
Katu, Tikta, Kashaya in ras, Katu in vipaka,
Ushna in virya & Kapha-Vata nashaka in dosha-
karma [17].

Priya Nighantu (20th Cent. A.D.): Acharya
Priyavratara Sharma in his book Priya Nighantu
has described ‘Punarnava’ in ‘Shatpushpadi
Varga’ & indicated in Shotha, Pandu, Kamla,
Hridaroga, Mutakrichica & Udar rog [18].

Shankar Nighantu (20th Cent. A.D.): In Shankar
Nighantu ‘Punarnava’ has been
described in ‘Dvitiya Bhag’. It is Katu in rasa,
Saraka in guna, Pitta shamaka in dosh-karma,
and it is indicated in Shotha, Raktapradar, &
Pandu vikara [19].

Puspayurveda (20th Cent. A.D.): In Pushpa-
Ayurveda there is no reference was found regarding
‘Punarnava’ [20].

Discussion: According to WHO about 80%
percent of the worldthe population is dependent
on the traditional system of medicine, it is
essential to intensify the study of medicinal
plants. History of drug can be studied under
Vaidic kala, Upanishad kala, Purana kala,
Shankar Nighantu kalas, Adhunikala.
Punarnava (Boerhaavia diffusa Linn.) is a
popular Prostratic herb, which is used by
traditional practioner to cure various ailments.
Present study revealed that by the help of
literature i.e. Kosha and Nighantu we will reach
to medicine very easily and take the benefit by the
traditional medicines. The Nighantu generally
were coined using a therapeutic text. Authors
used the prevailing and popular texts of their
time and region as basis to write Nighantu. This
explains the emergence of more than one
Nighantu during one period. Further, two
different Nighantu are seen having groups with
same name but have kept different substances
under them. This has happened due to the
different rationale used in grouping of the
substances. This offers a tremendous scope for
research in order to explore the therapeutic
application of a substance in different regions
and era, in the same manner Punarnava was also
a popular drug at that time. It has tremendous
effect on different diseases viz. Pandu
(Anaemia), Shotha (Swelling/inflammation),
Shoph (Swelling), Hridaroga (Diseases of
CVS), Kasa (Cough), Arsha (Haemorrhoids),
Vrana (Wound), Urahkshata (Pulmonry
cavitation), Shoolu (Colic) etc.

Conclusion: The present review on Punarnava
(Boerhaavia diffusa Linn.) based on Kosha and
Nighantu can be useful in different diseases. The
different parts ( Mool, Beeja,Panchnga & Patra
shaka) of this herb is used.on the basis of
aforesaid in Kosha & Nighantu Punarnava used in different diseases like Shothaghna, Shophaghna, Vishaghna, Arshoghna & Panduhar properties. A detailed clinical study is required to understand the mode of action of this drugs and their efficacy.

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