



**ANTHELMINTIC (KRIMIGHNA) DRUGS OF BHAVPRAKASH NIGHANTU: A
LITERARY SURVEY**

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ABSTRACT

Many treatment modalities have been explained in Brihatrayi (Charak, Sushruta, Vagbhata) and Laghutrayi (Sharangdhara, Bhavprakash and Madhav Nidan). Bhavprakash mentions numerous drugs acting on krimi. The present study is designed to screen the drugs with Krimihara, Krimighna, Krimigadapaha, Koshta Krimiharet, Jantujit, Krimihanti, Kriminjit, Kriminash etc. properties. Out of 426 drugs 129 were described for the treatment of Krimi (helminthes) throughout the text which includes herbal, mineral and animal origin drugs. Ceiling importance was given to Guduchyadi Varga with 36 drugs (27.91%), very next to that Haritakyadi Varga with 27 drugs (20.93%), succeeding to this Vatadi Varga with 14 drugs (10.85%) were explained. Least importance was given to food products including Dugdha varga, Takra varga, Ghrita varga, each respectively 1 drug (0.77%) for treating Krimi. Mutra varga have also 1 drug (0.77%) for curing Krimi. No drugs are elucidating from Mamsa Varga, Krutanna Varga, Vari Varga, Dadhi Varga, Navaneet Varga & Ikshu Varga.

KEYWORDS: Bhavprakash Nighantu. Krimi, Varga, Laghutrayi, Anthelmintics.

INTRODUCTION

Krimi is a community health crisis and is widely rife in areas of low environmental quality and people of low nutritional status. In India, the problem is likely to be more common because of bad hygiene, meagre awareness, illiteracy, poverty and variety of allied factors. It includes all types of macro and micro, pathogenic and non-pathogenic organism. In classical text along with vata, pitta, kapha, sukshma jantu are also supposed to be responsible for creating disease.

The visible or invisible minute organisms that affect on living & non living things of biosphere are described very efficiently in Ayurvedic science. The Krimi is a broad term which includes all types of worms and microbes. That may be pathogenic or non-pathogenic. All acharyas described krimi, with classification, symptoms and treatment.

Many drugs have been mentioned in Ayurveda classics. Bhavprakash Nighantu is one important lexicon where lot of drugs has been mentioned.

Origin of Krimi

Charaka explained that, Kleda in the body is one of the factors for the production of Krimi.^[1]

MATERIALS AND METHODS

This study shows literary review on Bhavprakash Nighantu. Bhavprakash Nighantu mentions total 129 drugs which act as anthelmintics.

Classification

Table No.1: Classification of Krimi explained in Classics.

Sr. No.	Classical Text	Number
1.	Harita Samhita	13
2.	Bhel Samhita	20
3.	Charak Samhita ^[2]	20
4.	Sushruta Samhita	20
5.	Ashtang Sangraha	20
6.	Madhav Nidan	20
7.	Sharangdhar Samhita	22
8.	Aacharya Bhavprakash	20

Nidanpanchak of krimi^[3]

Nidan

1) **Bahya krimi:** According to Acharya Charak, Vagbhat, Madhavakar, Bhavprakash and Vangasen bahya krimi are caused due to unhygienic and dirty habits (Mrijavarjanam). Harita refers to its origin from sweat, dryness (of skin and or body).

2) **Abhyantara krimi:** Aahara–consumption of food even during ajirna; intake of excess madhur, amla and lavana rasa; excess intake of liquids; pishtayukta aahara; excess intake of masha, patrashaka, tila kalka.

Specific factors: Excess intake of mamsa, dugdha, dadhi, shuktha, guda, satthu, yava etc.

Vihara: Lack of vyayama, divaswap.

Acharya Charaka has said that nidan of purishaja krimi is same as nidan of sleshmaja krimi while Acharya Charak and Vagbhat has mentioned that nidan of raktaja krimi is same as kustha nidan.

As per observations, nidan like excess intake of mamsa, patrashaka etc. help in the ingestion of ova and cyst into human body. Nidan like diwasvapa, ajirnanashan, asatmya, virudha bhojana etc. create agnimandya and a favourable atmosphere in the koshtha for the growth of krimi and diet like green vegetables (patrashaka), pishtanna, godhuma etc. create major bulk of faeces. According to Acharya Dalhana this accumulation of faeces gives favourable environment for the growth of krimi as they are originating from the vapours of faecal matter.

Samprapti

- 1) Dosha – Kapha dominant tridosha.
- 2) Dushya – Rasa, Rakta.
- 3) Strotasa – Mahastrotasa, Purishvaha Strotasa, Raktavaha Strotasa.
- 4) Adhithana – **Bahya krimi**- Kesha, Twak, Vastra.

Kaphaja krimi- Amashaya,

Purishaja krimi – Pakwashaya,

Raktaja krimi - Raktavaha Dhamani.

According to Acharya Sushrut the vitiated kapha dosha and pitta dosha by any of the hetu of krimiroga, may help in production of krimi. Most of the factors described in

the etiology of krimiroga lead to agnimandya and amotpatti which work as the principle factor in the process of samprapti and leads to production of krimi.

Rupa

Clinical feature of krimi vary with the nature of the krimi and part of organ affected by them.

Bahya krimi- kandu, kotha, pidaka, ganda.

Abhyantara krimi- jwara, vivarnata, shula, hridroga, bhrama, bhaktatidwesa, atisara, sadana, chhardi, shwasa, vami, mandagni, jathar garjanam, pipasa, pitanetra.

Pathya in krimiroga

Shodhankarma like snehan, swedan, asthapanam basti, shirovirechan, virechan, dhuman; Consumption of Nimba, Arka (White), Karela, Koshataki, Rakta shali, Tila, Sarshapa, Kulaththa, Yava, Mudga, Gomutra, Madhu, Sura, Sukta, Sauvira, Tushodaka, Patola, Rasona, Chitraka, Kantakari, Vidanga, Haritaki, Bhallataka, Hingu, Ajamoda, Khadira, Devadaru, Shunthi

Apathya in krimiroga

Vamana vegavidharana, diwaswapna, ajeerna, excess consumption of mamsa, dugdha, patrashaka, viruddha bhojan, dadhi, guda, pishtamaya padartha, masha, amla rasa and madhura rasayukta padartha.

Chikitsa

1) Management of krimiroga in vedas

In vedas various type of krimighna drugs are described. In Atharvaveda, krimighna dravya are described in three categories - krimi jambhana (retarding the activity), kriminashana (inhibiting the growth of krimi) and krimighna (killing the krimi). Apart from this, worship of agni and surya are said to destroy krimi. Most of krimighna effect comes under devavyapasraya chikitsa.

2) Management of krimiroga in samhita^[4]

In Charak vimansthana 7th chapter, Charak has mentioned three main theories for treatment of Krimi Roga –

- Apakarshan:** Apakarshan means to scratch the dosha, mala and krimisanghata forcefully. Any process by which the unwanted elements are

removed or extracted from the body is considered as apakarshana. Krimi residing inside the body should be expelled out by the administration of appropriate shodhana karma – vamana, virechana, shirovirechana and asthapana basti.

- ii. **Prakrutivighata** Prakrutivighata means destruction of the producing/favourable environment. To counteract the factors responsible for production of krimi, dravya which are katu, tikta, kashaya in taste; kshara and ushna in nature should be used along with other drugs having properties contrary to purisha and kapha. Any measure successful against

the infestation and reinfestation of krimi should be considered under prakrutivighata.

- iii. **Nidanaparivarjana:** Nidanaparivarjana means to eliminate the causative factors which help in producing, germinating and growing of krimi. Hence, factors responsible for production of krimi should be avoided. Nidanaparivarjana is most important principle as ayurveda gives importance to aahara, vihara as treatment. They stress over hygiene and body resistance than the infection. All unhygienic substances and lifestyle modifications conclude under nidana of krimi.

Table No. 2: Krimighna Drugs of Haritakyadi Varga with respective references.

Sr. No.	Sanskrit Name	Latin Name	Family	Action	Reference
1.	Haritaki	Terminalia chebula Retz. Terminalia citrina Roxb. ex Flem.	Combretaceae	Udarkrimihara	B.P.N.1/20
2.	Bibhitaki	Terminalia bellirica Roxb.	Combretaceae	Kriminashanam	B.P.N.1/37
3.	Maricha	Piper nigrum Linn.	Piperaceae	Krimiharet	B.P.N.1/62
4.	Pippali mula	Root of Piper longum Linn.	Piperaceae	Krimiapaha	B.P.N.1/65
5.	Gajapippali	Scindapsus officinalis Schott.	Araceae	Krimihara	B.P.N.1/69
6.	Chitraka	Plumbago zeylanica Linn.	Plumbaginaceae	Kriminuta	B.P.N.1/71
7.	Yavani	Carum copticum Benth&Hook Trachyspermum ammi Sprague Linn.	Apiaceae	Krimipranut	B.P.N.1/77
8.	Ajamoda	Apium graveolens Linn.	Apiaceae	Krimiharet	B.P.N.1/79
9.	Dhanyaka	Coriandrum sativum Linn.	Apiaceae	Krimipranut	B.P.N.1/88
10.	Misreya	Foeniculum vulgare Mill.	Apiaceae	Krimihata	B.P.N.1/92
11.	Hingu	Ferula narthex Boiss. Ferula alliacea Boiss. Ferula foetida Regel.	Apiaceae	Krimighna	B.P.N.1/101
12.	Vacha	Acorus calamus Linn.	Araceae	Jantavharet	B.P.N.1/103
13.	Vidanga	Embelia ribes Burm.f.	Myrsinaceae	Kriminuta	B.P.N.1/112
14.	Tumburu	Zanthoxylum acanthopodium DC.	Rutaceae	Kriminashyet	B.P.N.1/115
15.	Kampilaka	Mallotus philippinensis Muell.Arg.	Euphorbiaceae	Krimihanti	B.P.N.1/147
16.	Katuka	Picrorrhiza kurroa Royle ex Benth.	Scrophulariaceae	Krimipranut	B.P.N.1/152
17.	Kiratatikta	Swertia chirata (Rox. Ex Flem) karst.	Gentianaceae	Krimipranut	B.P.N.1/155
18.	Nakuli	Aristolochia indica Linn.	Aristolochiaceae	Krimivinashyet	B.P.N.1/166
19.	Katuparni	Argemone mexicana Linn.	Papaveraceae	Kriminuta	B.P.N.1/177
20.	Dhataki	Woodfordia floribunda Salisb. Woodfordia fruticosa kurz.	Lythraceae	Krimijit	B.P.N.1/187
21.	Laksha	Laccifer lacca (Kerr.)	Lacciferidae	Krimiapaha	B.P.N.1/195
22.	Haridra	Curcuma longa Linn.	Zingiberaceae	Krimighni	B.P.N.1/196
23.	Bakuchi	Psoralea corylifolia Linn.	Fabaceae	Kriminuta	B.P.N.1/209
24.	Chakramarda	Cassia tora Linn.	Caesalpiniaceae	Kriminashanam	B.P.N.1/212
25.	Ativisha	Aconitum heterophyllum Wall.	Ranunculaceae	Krimiharet	B.P.N.1/214
26.	Lashuna	Allium sativum Linn.	Liliaceae	Jantuhanti	B.P.N.1/223
27.	Bhallataka	Semecarpus anacardium Linn.f.	Anacardiaceae	Krimihanti	B.P.N.1/230,232

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 3: Krimighna Drugs of Karpuradi Varga with respective references.

Sr. No.	Sanskrit Name	Latin Name	Family	Action	Reference
28.	Guggulu	<i>Balsamodendron mukul</i> Hook. ex Stocks. <i>Commiphora mukul</i> Engl.	Burseraceae	Kriminjayet	B.P.N.2/40
29.	Sarala niryasa	<i>Pinus longifolia</i> Roxb.	Pinaceae	Yukapranuta	B.P.N.2/47
30.	Jati phala	<i>Myristica fragrans</i> Hout.	Myristicaceae	Krimihanti	B.P.N.2/55
31.	Jati patri	<i>Myristica fragrans</i> Hout.	Myristicaceae	Krimiapaha	B.P.N.2/57
32.	Tvak patram	<i>Cinnamomum cassia</i> Blume.	Lauraceae	Krimihata	B.P.N.2/65
33.	Kumkuma	<i>Crocus sativus</i> Linn.	Iridaceae	Jantujita	B.P.N.2/78
34.	Mustaka	<i>Cyperus rotundus</i> Linn.	Cyperaceae	Jantuhata	B.P.N.2/94
35.	Karchura	<i>Curcuma zedoaria</i> Rosc.	Zingiberaceae	Krimihara	B.P.N.2/96
36.	Elavaluka	<i>Prunus cerasus</i> Linn. <i>Prunus avium</i> Linn. <i>Gisekia pharnaceoides</i> Linn.	Rosaceae Ficoidaceae	Krimihara	B.P.N.2/121

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 4: Krimighna Drugs of Guduchyadi Varga with respective references.

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
37.	Guduchi	<i>Tinospora cordifolia</i> (Wiild.) Miers ex Hook. f. & Jhoms	Menispermaceae	Kriminharet	B.P.N.3/10
38.	Syonaka	<i>Oroxylum indicum</i> Vent.	Bignoniaceae	Krimihyata	B.P.N.3/28
39.	Shalaparni	<i>Desmodium gangeticum</i> DC.	Papilionaceae	Krimipranuta	B.P.N.3/33
40.	Kantakari	<i>Solanum xanthocarpum</i> Schard & Wendl.	Solanaceae	Krimihanyat	B.P.N.3/41,42
41.	Erandpatra	<i>Ricinus comunis</i> Linn.	Euphorbiaceae	Krimivinashanam	B.P.N.3/64
42.	Rakta Arka pushpa	<i>Calotropis procera</i> (Ait.) R.Br.	Asclepiadaceae	Nihati shakrutkrimin, Krimighna	B.P.N.3/69,71
43.	Kalihari	<i>Gloriosa superba</i> Linn.	Liliaceae	Krimighna	B.P.N.3/81
44.	Karvir	<i>Nerium odorum</i> Soland.	Apocynaceae	Krimighna	B.P.N.3/84
45.	Dhattura	<i>Datura metel</i> Linn.	Solanaceae	Yukalikshavinashaka ,Krimiapah	B.P.N.3/87
46.	Nimba	<i>Azadirachta indica</i> A.Juss.	Meliaceae	Krimipranuta, Kriminuta	B.P.N.3/94,96
47.	Paribhadra	<i>Erythrina indica</i> Lam.	Fabaceae	Krimipranuta	B.P.N.3/100
48.	Kanchnara	<i>Bauhinia variegata</i> Linn.	Fabaceae	Krimiapaha	B.P.N.3/103
49.	Shobhanjana	<i>Moringa pterygosperma</i> Gaertn.	Moringaceae	Kriminharet	B.P.N.3/107
50.	Sinduvara	<i>Vitex negundo</i> Linn.	Verbenaceae	Jantuhara	B.P.N.3/115
51.	Karanja	<i>Pongamia glabra</i> Vent.	Fabaceae	Krimiapaha, Krimijita	B.P.N.3/120,122
52.	Karanji	<i>Holoptelia integrifolia</i> Planch.	Ulmaceae	Krimijita	B.P.N.3/124
53.	Gunja	<i>Abrus precatorius</i> Linn.	Fabaceae	Krimiharet	B.P.N.3/129
54.	Ankota	<i>Alangium lamarckii</i> Thwaites <i>Alangium salvifolium</i> (Linn.) Wang	Alangiaceae	Krimiapaha	B.P.N.3/140
55.	Varahikanda	<i>Dioscorea bulbifera</i> Linn.	Dioscoreaceae	Krimihara	B.P.N.3/149
56.	Patha	<i>Cissampelos paeira</i> Linn.	Menispermaceae	Krimihanti	B.P.N.3/192
57.	Danti	<i>Baliospermum montanum</i> Muell.	Euphorbiaceae	Krimihanti	B.P.N.3/200
58.	Asthisamhara	<i>Vitis quadrangularis</i> Wall. <i>Cissus quadrangularis</i> Linn.	Vitaceae	Krimighna	B.P.N.3/227
59.	Bhringhaja	<i>Eclipta alba</i> Hassk.	Asteraceae	Kriminuta	B.P.N.3/241
60.	Kakajangha	<i>Peristrophe bicalyculata</i> Nees.	Acanthaceae	Krimihanti	B.P.N.3/251
61.	Nagapushpi	<i>Arisaema alba</i> N.E.Br.	Araceae	Krimivinihanti	B.P.N.3/252
62.	Meshashringi	<i>Dolichandrone falcata</i> Seem.	Bignoniaceae	Krimijita	B.P.N.3/255
63.	Sarpakshi	<i>Ophiorrhiza mungos</i> Linn.	Rubiaceae	Kriminikruntni	B.P.N.3/268
64.	Sankha pushpin	<i>Convolvulus pluricaulis</i> Chois.	Convolvulaceae	Krimipranuta	B.P.N.3/270
65.	Arka pushpi	<i>Holostemma rheedianum</i> Spreng. <i>Holostemma annularis</i> K. Schum.	Asclepiadaceae	Krimijita	B.P.N.3/271

66.	Alambusha	<i>Biophytum sensitivium</i> (Linn.)	Geraniaceae	Krimiapaha	B.P.N.3/274
67.	Dugdika	<i>Euphorbia hirta</i> Linn.	Euphorbiaceae	Krimipranuta	B.P.N.3/276
68.	Drona	<i>Leucas cephalotes</i> Spreng.	Lamiaceae	Jantujita	B.P.N.3/283
69.	Shuvarchla	<i>Cleome gynandra</i> Linn.	Cleomaceae	Kriminihanti	B.P.N.3/286
70.	Devdali	<i>Luffa echinata</i> Roxb.	Cucurbitaceae	Kriminasha	B.P.N.3/292
71.	Chikkani	<i>Centipeda orbicularis</i> Lour.	Asteraceae	Krimiapaha	B.P.N.3/304
72.	Akhukarni	<i>Ipomoea reniformis</i> Chois.	Convolvulaceae	Krimipranuta	B.P.N.3/308

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 5: Krimighna Drugs of Pushpa Varga with respective references.

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
73	Champaka	<i>Michelia champaca</i> Linn.	Magnoliaceae	Krimihara	B.P.N.4/32
74	Bakula	<i>Mimusops elengi</i> Linn.	Sapotaceae	Krimiapaha	B.P.N.4/33
75	Kinkirata	<i>Acacia latromun</i> Willd.	Mimosaceae	Krimihara	B.P.N.4/45
76	Asoka	<i>Saraca asoca</i> Roxb. <i>Saraca indica</i> Linn.	Caesalpinaceae	Krimijita	B.P.N.4/48
77	Tilaka	<i>Wendlandia exerta</i> DC.	Rubiaceae	Krimiharet	B.P.N.4/56
78	Marubaka	<i>Origanum majorana</i> Linn.	Lamiaceae	Krimipranuta	B.P.N.4/66
79	Barbari	<i>Ocimum basilicum</i> Linn.	Lamiaceae	Krimiapaha	B.P.N.4/71

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 6: Krimighna Drugs of Vatadi Varga with respective references.

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
73	Shala	<i>Shorea robusta</i> Gaertn. F.	Dipterocarpaceae	Kriminharet	B.P.N.5/ 19
74	Shimshapa	<i>Dalbergia sissoo</i> Roxb. ex DC	Fabaceae	Kriminharet	B.P.N.5/25
75	Bijaka	<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	Kriminhanti	B.P.N.5/ 29
76	Khadira	<i>Acacia catechu</i> Willd.	Mimosaceae	Kriminharet	B.P.N.5/ 32
77	Irmeda	<i>Acacia leucophloea</i> (Roxb.) Willd.	Mimosaceae	Kriminhanti	B.P.N.5/ 34
79	Babula	<i>Acacia arabica</i> Willd.	Mimosaceae	Krimiapaha	B.P.N.5/ 37
80	Ingudi	<i>Balanites roxburghii</i> Planch	Balanitaceae	Krimihanti	B.P.N.5/ 41
81	Palasha	<i>Butea monosperma</i> (Lam) kuntze	Fabaceae	Kriminharet, Krimiapaha	B.P.N.5/ 50,53
82	Varuna	<i>Crataeva religiosa</i> Forst. F	Capparidaceae	Kriminihanti	B.P.N.5/ 66
83	Katabhi	<i>Albizia lucida</i> Benth. <i>Albizia procera</i>	Mimosaceae	Kriminihanti	B.P.N.5/ 68
84	Mokshaka	<i>Schrebera swietenoids</i> Roxb. <i>Elaeodendron glaucum</i> Pers.	Oleaceae Celastraceae	Kriminuta	B.P.N.5/ 70
85	Shami	<i>Prosopis spicigera</i> Linn. <i>Prosopis cineraria</i> Druce.	Fabaceae	Krimijita	B.P.N.5/73
86	Saptaparna	<i>Alstonia scholaris</i> R.Br.	Apocynaceae	Jantujita	B.P.N.5/75
87	Tinish	<i>Ougeinia dalbergioides</i> Benth.	Fabaceae	Krimipranuta	B.P.N.5/76

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 7: Krimighna Drugs of Aamradi Varga with respective references.

Sr. No.	Sanskrit Name	Latin Name	Family	Action	Reference
73	Jambira	<i>Citrus limon</i> Linn.	Rutaceae	Kriminharet	B.P.N.6/134
74	Nimbuka	<i>Citrus aurantifolia</i> Swingle.	Rutaceae	Krimisamuh nashanam	B.P.N.6/137
75	Vrikshamla	<i>Garcinia indica</i> Chois.	Clusiaceae	Jantujita	B.P.N.6/149

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 8: Krimighna Drugs of Dhatvadi Varga with respective references.

Sr.No.	Sanskrit Name	English Name	Action	Reference
73.	Tamra	Copper	Krimihara	B.P.N7/27
74.	Vanga	Tin	Kriminihanti	B.P.N7/31
75.	Loha	Iron	Krimihara	B.P.N7/42
76.	Pittala	Brass	Krimighna	B.P.N7/75
77.	Shilajatu	Mineral Pitch	Krimihara	B.P.N7/81
78.	Gandhaka	Sulphur	Jantujita	B.P.N7/111
79.	Abhraka	Mica	Krimihanti	B.P.N7/124

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
80.	Kankushtha	<i>Rheum emodi</i> Wall.	Polygonaceae	Krimiapaha	B.P.N7/164

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 9: Krimighna Drugs of Dhanya Varga with respective references.

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
81.	Mukushthaka	<i>Phaseolus aconitifolius</i> Jacq.	Fabaceae	Kriminasahanam	B.P.N.8/49
82.	Kulatha	<i>Dolichos biflorus</i> Linn.	Fabaceae	Krimihara	B.P.N.8/62
83.	Tuvari	<i>Eruca sativa</i> Mill.	Brassicaceae	Krimipranut	B.P.N.8/68
84.	Sarshapa	<i>Brassica campestris</i> Linn.	Brassicaceae	Kosthakrimiharet	B.P.N.8/71
85.	Rajika	<i>Brassica juncea</i> Linn.	Brassicaceae	Kosthakrimiharet	B.P.N.8/73

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 10: Krimighna Drugs of Shak Varga with respective references.

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
86.	Vastuka	<i>Chemopodium album</i> Linn.	Chenopodiaceae	Krimi aapham	B.P.N.9/7
87.	Dadrughana patra	<i>Cassia tora</i> Linn.	Caesalpiniaceae	Krimiapaha	B.P.N.9/36
88.	Patola patra	<i>Trichosanthes dioica</i> Roxb.	Cucurbitaceae	Krimi pranut	B.P.N.9/40
89.	Shigru	<i>Moringa pterygosperma</i> Gaertn.	Moringaceae	Krimihya	B.P.N.9/50
90.	Karvellaka	<i>Momordia charantia</i> Linn.	Cucurbitaceae	Krimin haret	B.P.N.9/64
91.	Dhamargava	<i>Luffa acutangula</i> Roxb.	Cucurbitaceae	Krimi pranut	B.P.N.9/68
92.	Patola	<i>Trichosanthes dioica</i> Roxb.	Cucurbitaceae	Krimin haret	B.P.N.9/70
93.	Dodika	<i>Leptadenia reticulata</i> W.&A.	Asclepiadaceae	Krimin haret	B.P.N.9/88
94.	Sarshapa nala	<i>Brassica campestris</i> Linn.	Brassicaceae	Krimihara	B.P.N.9/90
95.	Hastikarna	<i>Leea macrophylla</i> Horn.	Vitaceae	Krimiapaha	B.P.N.9/109

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 11: Krimighna Drugs of Dugdha Varga with respective references.

Sr.No.	Sanskrit Name	English Name	Action	Reference
96.	Ushtra kshira	Camel's milk	Krimihara	B.P.N.13/21

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 12: Krimighna Drugs of Takra Varga with respective references.

Sr.No.	Sanskrit Name	English Name	Action	Reference
97.	Takra	Butter milk	Krimihara	B.P.N.15/17

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 13: Krimighna Drugs of Ghrita Varga with respective references.

Sr.No.	Sanskrit Name	English Name	Action	Reference
98.	Ushtra ghrit	Camel's ghee	Krimiapaha	B.P.N.17/9

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 14: Krimighna Drugs of Mutra Varga with respective references.

Sr.No.	Sanskrit Name	English Name	Action	Reference
99.	Gomutra	Cow's urine	Krimiroganharet	B.P.N.18/3

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 15: Krimighna Drugs of Taila Varga with respective references.

Sr.No.	Sanskrit Name	Latin Name	Family	Action	Reference
100.	Sarshapa taila	<i>Brassica campestris</i> Linn.	Brassicaceae	Krimipranut, Dusht krimi pranut	B.P.N.19/14
101.	Tuvari taila	<i>Eruca sativa</i> Mill.	Brassicaceae	Krimipranut	B.P.N.19/16
102.	Sarjras taila	<i>Vateria indica</i> Linn.	Dipterocarpaceae	Krimihara	B.P.N.19/26

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

Table No. 16: Krimighna Drugs of Sandhan Varga with respective references.

Sr.No.	Sanskrit Name	English Name	Action	Reference
103.	Tushodaka	Fermented barley's water	Krimi gadapaham	B.P.N.20/7
104.	Shuktam	Vinegar	Krimihara	B.P.N.20/15
105.	Jirna Madhya	Old wine	Krimiapaha	B.P.N.20/31

- B.P.N. Bhavprakash Nighantu, first number is corresponding number of varga, and second number is respective verse.

DISCUSSION

Bhavamishra has given unique consideration to the disease Krimi and used various drugs to treat this disease. Present study deals with extensive variety of drugs from Bhavprakash Nighantu. Author has determined on herbal drugs rather than other diversity of group. (Table 2 to 7 & 9-10). Bhavamishra directly mentions the karma or action of these drugs as Krimihara.

There are mineral origin drugs which act as anthelmintics (Table 8).

Drugs from whole Bhavprakash Nighantu were screened for the action Krimighna (anthelmintics). Obtained data were presented as per as per anthelmintics action with respect to herbal, mineral and animal origin drugs which are belongs to different vargas (chapter wise classification) with corresponding reference.

Out of 426 drugs 27(20.93%) belong to Haritakyadi varga, 9(6.98%) of drugs from Karpuradi varga, 36(27.91%) belong to Guduchyadi varga, Pushpa varga has 7(5.43%), Vatadi varga 14(10.85%) are stated, Amradiphala varga 3(2.32%), also Shaka varga 10 (7.75%) were used for the treatment of Krimi.

At this point Bhavamishra mentions more number of drugs (82.17%) from Herbal origin. Subsequent to herbal origin Dhatvadi varga 8(6.20%) has been stated in treating Krimi. Following Dhatvadi varga is Sandhan kalpana 3(2.32%) drugs mentioned.

Following Sandhan Varga, Dhanya Varga 5(3.87%) drugs explained. Taila Varga also contains 3 drugs (2.32%).

Least importance was given to food products including Dugdha varga, Takra varga, Ghrita varga, each respectively 1 (0.77%) for treating Krimi. Mutra varga have also 1 (0.77%) of drug for curing Krimi.

No drugs are elucidate from Mamsa Varga, Krutanna Varga, Vari Varga, Dadhi Varga, Navaneet Varga & Ikshu Varga.

Parish (*Thespesia populnea* Soland ex correa) and Nava guda (Newly prepared jaggery) were considered as krimikara in Bhavprakash Nighantu.

Table No. 17: Total number of drugs with their percentage.

Sr.No.	Name of the varga	Total drugs	Percentage (%)
1	Haritakyadi	27	20.93
2	Karpuradi	09	06.98
3	Guduchyadi	36	27.91
4	Pushpa	07	5.43
5	Vatadi	14	10.85
6	Amradiphala	03	2.32
7	Shaka	10	7.75
8	Dhatwadi	08	6.20
9	Sandhan	03	2.32
12	Dhanya	05	3.87
13	Dugdha	01	0.77
14	Takra	01	0.77
15	Ghrita	01	0.77
16	Taila	03	2.32
17	Mutra	01	0.77
	Total	129	100%

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CONCLUSION

The present review on anthelmintic drugs of *Bhavprakash Nighantu* is original of its kind. Total 129 drugs are mentioned by *Bhavprakash Nighantu* comprising herbal, mineral and animal origin drugs. All the drugs have been mentioned as Krimihara, Krimighna, Krimigadapaha, Koshta Krimiharet, Jantujit, Krimihanti, Kriminjit, Kriminash etc. but the mode of action has not been detailed.

Rather than practicing krimihara dashemani of Charaka Samhita, other drugs of *Bhavprakash Nighantu* should be taken into consideration in practice for better results. To conserve the medicinal plants which are available presently need has been arrived to practice other common drugs which were explained by *Bhavprakash Nighantu*. A detailed clinical study is required to understand the mode of action of these drugs.

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