

Antimicrobial Potential of Polyherbal Formulation Plashbijadi Churna - A Review

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ABSTRACT

Plants have been a source of herbal remedies throughout the history of mankind. Various medicinal plants have been used for years in daily life to treat diseases all over the world. Nature has provided a complete store house of remedies to cure all ailments of mankind. The natural or herbal remedies are still the backbone of medicines. These herbs or plants and their active ingredients are used in traditional herbal remedies. The easy availability, low cost and negligible side effects, natural products are popular in the nowadays in the world. Therefore antimicrobial potential of polyherbal formulation plashbijaadi churna mention in the text is taken for review. The authentic subject material has been reviewed from Ayurveda and modern medical literature. Different research and review article were searched in different journals to establish the antimicrobial potential of plashbijaadi churna.

Key words: Plashabija, antimicrobial, antibacterial, churna.

INTRODUCTION

Now a day's multiple drug resistance has developed due to the indiscriminate use of commercial antimicrobial drugs commonly used in the treatment of infectious disease. In addition to this problem, antibiotics are sometimes associated with adverse effects on the host including hypersensitivity, immune-suppression and allergic reactions. Recently there is lots of attraction towards natural based herbs as an antimicrobial agent because of its ecofriendly and health

hazardless nature. [1,2,3,4] The traditional Indian systems of Ayurveda and Siddha medicines support the importance of medicinal plants to treat diseases. [5] In India 70% of populations are reported using traditional medicines for primary health care. [6] There are several reports on the antimicrobial activity of different herbal extracts in different regions of the world. [7] Therefore antimicrobial potential of polyherbal formulation plashbijadi churna mention in the text is taken for review. [8]

METHOD OF PREPARATION PLASHBIJADI CHURNA

Following ingredients are used for the preparation of vidangadi churna [8]

S.No	Ingredients	Latin name	Family	Part used	Quantity
1	Plasha	Butea Monosperma	Fabaceae	seeds	1 part
2	Indrayava	Holarhena antidysenterica	Apocynaceae	seeds	1 part
3	Vidanga	Embelia ribes Burn	Myrsinaceae	Fruit	1 part
4	Neema	Azadirachta indica	Meliaceae	seeds	1 part
5	Chirayata	Swerita chirata	Gentianaeace	Whole plant	1 part

The fine powder of all the ingredients are prepared separately and mixed together in the prescribed quantity

Ingredients of plashbijadi churna and their pharmacological and therapeutic properties

S.no	Name of the drug	Rasadi panchak & ayurvedic properties	Pharmacological properties
1	Plasha	Rasa – Katu, Kashaya, tikta Guna- ushna, snigdha Virya – Ushna, Doshaghanta – tridoshnashak Karma – agnideepka, vrushya, saraka, helps asthisanghataj, gulma, arsha, krimi and all gudaj vyadhi. [9]	Anthelmintic [10,11,12]
2	Indrayava	Rasa –katu, kashaya Guna- ruksha Virya- sheeta Rogaghanta- arsha, atisar, kushtha, jwara Karma- agnideepka, pachaka [13]	Antibacterial [14,15]
3	Vidanga	Rasa – Katu, Kashaya. Guna – Laghu, Ruksha, Teekshna. Virya – Ushna, , Vipak – Katu, Prabhava – Krimighna. Kaphavata shamaka. Dogagnata – Shiroroga, apasmara, Agnimandya, Ajeerna, Krimidanta, Chhardi, darshool, Adhmana, Vibandha, arsha, Krimiroga, Jeerna pratishyay, Gandamala, mutrakruachha. Karma – Krimighna, kushthaghna, Shirovirechana, Nadibalya, Deepana, Pachana, Anulomana, Garbh Nirodhaka, varnya, Rasayana [16]	Anthelmintic, [17] Antibacterial [18,19] Antifungal [20]
4	Neema	Rasa- katu, tikta Guna- laghu, snigdha, grahi Virya – sheeta Prabhava- Tridoshshamak, Karma – shrama, trisha, kasa, vrana, chardi, Kustha, hrullasa, aruchi passifier gulma, krimi nashak, prameha nashak [21]	Antibacterial [22,23] Antimicrobial Antifungal [24,25] Antiviral [26]
5	Chirayata	Rasa- katu, tikta Guna- laghu, ruksha Veerya- sheeta Prabhava- kapha, pitta nashak Karma – saraka, sannipataj jwara, daha, Trishna, kustha, jwara, vrana, kriminasak, kasa Shotha, vrananashak [27]	Antibacterial [28,29,30,31] Antifungal [32,33]

CONCLUSION

This review has presented a collective knowledge on therapeutic, Pharmacological activities of plashbijaadi churna as, antibacterial, antihelmenthic, antifilarial, antiparasitic, antimicrobial .So this review will also facilitate to gain all about the past scientific research and the necessary information about the enormous pharmacological activities of this formulation which helps the researcher to explore this formulations for the promotion of health.

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How to cite this article: Gupta D, Saini SL, Sharma T. antimicrobial potential of polyherbal formulation plashbijadi churna - a review. International Journal of Research and Review. 2017; 4(11):48-51.

