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Role of Rasayana dravyas from Madanpal Nighantu in enhancing the overall human immunity – A critical review

Review Article

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Abstract

We are continuously fighting with the pandemic of COVID-19 from last 3 years. Also other infections like Common cold, Severely Acute Viral Infections (SARS), Influenza (the flu), Herpes, Tuberculosis, Whooping cough, Pneumonia, Typhoid are some of the very common and recurring infections in human beings. Having strong immunity and destroying the main causes of various infections is the only option to survive in such conditions. It is a need to get familiar with natural herbs or dravyas from Ayurveda. Dravyas suggested in Ayurveda, which can boost immunity and thus, can protect us from various infections. In Ashtang Ayurveda, Rasayana is a special branch of Ayurveda. It promotes the inner healing power of an individual and thus can become helpful in overtaking the symptoms and diseases while promoting the immunity. *Madanpal Nighant*u is one of our ancient literature textbook of Ayurveda which provides information about multiple important herbal and ayurvedic drugs. In Madanpal Nighantu, 35 dravyas are explained as Rasayana dravyas in sutras. So, screening of Rasayana dravyas from Madanpal Nighantu can provide useful information to medical practitioners. These Rasayana dravyas can ultimately become useful in healthy individuals and in patients suffering from various infections or diseases in maintaining and enhancing their natural immunity. By considering all these facts, we made an effort to find out and study all these Rasayana dravyas from Madanpal Nighantu having Rasayana properties. Also this paper makes an attempt to study Rasapanchkas of these Rasayana dravyas to assess their probable mode of action as Rasayana.

Key Words: Rasayana, Immunity, Madanpal Nighantu, Raspanchaka, Ashtang Ayurveda.

Introduction

Having strong immunity is the only key to live a healthy and happy life. But nowdays, after suffering from the pandemic of COVID-19, everyone knows that survival of the fittest is very necessary. In our day to day life, it is common that, if an individual doesn't have good immunity, then he/she has to suffer from various common infections or diseases. Also it is clear that, if the person enhances and maintains his/her immunity, then there is very low chance of getting infectious to various diseases. Extensive researches are broadly conducted all over the world focusing on natural herbs influencing the immunity. Natural drugs from Ayurveda can solve this problem by boosting immunity and can also become useful in treating the symptoms.

Rasayana is one of the most important branch of Ashtang Ayurveda. Madanpal Nighantu includes 35 Rasayana dravyas in sutras. These Rasayana dravyas can enhance immunity of an individual by boosting different dhatus- (Ras, Rakta, Mansa, Meda, Asthi, Majja, Shukra). Every system of medicine emphasizes

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on treating the disease but in Ayurveda, treating a disease is always secondary rather, maintaining and preserving health which is the first objective of healthcare plans. Rasavana therapy among Ashtang Ayurveda ensures the same by promoting health, immunity and in turn longevity.

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By considering the importance of Rasayana therapy Aacharya Charaka start Chikitsa sthan with Rasayana adhyay(1). According to our grand Aacharyas Rasayana means (ras+ayana) essentially refers to nutrition(2). More specifically refers to bioavailability of nutrition.

Rasayana therapy consists of certain drugs which aim to-

- Preserve and promote the health of healthy individual
- Improves the status of *Dhatus*
- Management of diseases
- Prevents ageing and provides longevity
- Boost immunity
- Rejuvenate the system

It is not only a single drug treatment but also a specialized therapeutic procedure practiced as a major specialty in Ayurvedic medicine. Properly and timely use of Rasayana dravyas promotes youthfulness, memory, intelligence, complexion, body glow and best physical strength. Rasayana dravyas act at various levels i.e. Rasadi-dhatu, Agni and Srotas means at the



level of cellular metabolism and hence improve the metabolic activities of the body and ultimately Immunity.

On screening most of the *Rasayana dravyas*, we studied their *Rasapanchakas- Rasa*, *Guna*, *Veerya*, *Vipaka and Karma*. It will help in knowing their mode of action as a *Rasayana*.

Aims and Objectives

- To enlist *dravyas* mentioned as *Rasayana* in sutras of *Madanpal Nighantu*
- To screen the above selected *dravyas* to assess their probable action as *Rasayana*.
- To classify the *dravyas* on the basis of *Rasadi* properties, *Doshaghnata* and also specific pharmacological actions responsible for *Rasayana* karma.

Material & Methods

Materials

- *Madanpal Nighntu* hindi commentary '*Hari*' done by *Pandit Hariprasad Triphati*
- Pubmed and Google scholar web search regarding *Rasayana* action.

Methods

• The drugs are collected from different *Vargas* of *Madanpal Nighantu* of *Nrupa Shree Madanpal's* (in C 1300 – 1400 A.D.) commentary '*Hari*' done by

Pandit Hariprasad Triphati. Main focus is made only on the Rasayana dravyas which are described in Shloka form. Dravyas mentioned as Rasayana in sutras from Madanpal Nighantu are enlisted.

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- The review of the selected *Rasayan dravyas* from *Madanpal Nighantu* for their *Rasadi* properties, *Doshaghnata*, Sanskrit names, Latin names and its *Rasayan*a related Pharmacological Activity were taken.
- The Pubmed and Google scholar web search of enlisted *Rasayana dravyas* was done for their *Rasayana* action as per the modern pharmacology.
- The classification of *dravyas* on the basis of above review was done. *Rasayana* on the basis of their *Rasadi* properties, *Doshaghnata* and modern pharmacology.
- Critical analysis of these *dravyas* to assess probable mode of action as pharmacological activities responsible for *Rasayana Karma*.

Madanpal Nighantu

The *Madanpal Nighantu* is commonly known as '*Madanvinod' and is also known as 'Madana Nighantu'* written by *Nrupa Shree Madanpala* in C 1300 – 1400 A.D.

Hindi commentary named 'Hari 'written by Pandit Hariprasad Tripathi. This Nighantu is divided in to 13 vargas.

Table 1: Madanpal Nighantu Vargas (3)

C. No		Danmar Inchesia Ivanas of Madagard Vielegate
Sr. No.	Name of Vargas	Dravyas Includes in Vargas of Madanpal Nighantu
1	Abhayadi Varga	165 Dravyas
2	Shunthyadi Varga	39 Dravyas
3	Karpooradi Varga	84 Aromatic <i>Dravyas</i>
4	Suvarnadi Varga	44 Metals and Minerals
5	Vatadi Varga	50 Dravyas
6	Phaladi Varga	56 Edible Fruits
7	Shakadi Varga	56 Shak Dravyas
8	Paniyadi Varga	Detail description of Water, Milk, Alcohol and Urine
9	Ikshukadi Varga	Description of Sugarcane and it's Product
10	Dhanyadi Varga	Description of various types of Grain
11	Dhanya Krutanna Varga	Description of various types of Food preparation
12	Mansadi Varga	Description of various types of Bird, Animal Meat
13	Mishrakadi Varga	Description of Anupana and seasonal regimens

Table 2: List of *Dravyas* along with their Latin Name and Family – I

Sr.No.	Drug	Botanical Name	Family
1	Haritaki	Terminalia chebula Retz.	Combretaceae
2	Guduchi	Tinospora cordifolia Willd.	Menispermaceae
3	Kashmarya/ Gambhari	Gmelina arborea Linn.	Verbenaceae
4	Shalparni	Desmodium gangeticum DC.	Fabaceae / Leguminosae
5	Jeevanti	Leptadenia reticulata W.& A.	Asclepiadaceae
6	Krurak /Punarnava	Boerhaavia diffusa Linn.	Nyctaginaceae
7	Ashwagandha	Withania somnifera Linn.	Solanaceae
8	Shatavari	Asparagus racemosus Willd.	Liliaceae
9	Sahastraveerya / Maha shatavari	Asparagus sarmentosa Linn.	Liliaceae
10	Bruhatbala / Sahdevi	Vernonia cineria Less	Compositae
11	Vidarikanda	Pueraria tuberosa DC.	Fabaceae

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International Journal of Ayurvedic Medicine, Vol 13 (3), 2022; 579-586 Bakuchi Psoralia corylifolia Linn. Leguminoseae 12 13 Bhrungraj Eclipta alba Hassk. Compositeae 14 Kakmachi Solanum nigrum Linn. Solanaceae 15 Ativisha Aconitum heterophyllum Wall. Ranunculaceae 16 Vridhhadaru Argyreia speciosa Sweet Convolvulaceae 17 Ephedra gerardiana Wall. Somvalli *Ephedraceae* 18 Asparagus adscendens Roxb. Liliaceae Musali 19 Shankhapushpi Convolvulus pluricaulis Choisy. Convolvulaceae20 Bhramhi Herpestis monniera (Linn.) H.B.& Scrophulariaceae Kumari Aloe vera Tourn. Ex Linn. Liliaceae 21 22 Pipali Piper longum Linn. Piperaceae 23 Guggul Commiphora mukul (Hook ex Burseraceae Rubiaceae 24 Tilak Wendlandia exerta DC. Gold 25 Suvarna 26 Rajat Silver Parad Mercury 27 28 Gandhak Sulphur -29 Makshik Copper pyrite 30 Shilajatu Asphaltum punjabinum L. 31 Salvadora persica Linn. Pilu Salvadoraceae 32 Vijaysar / Bijak Pterocarpus marsupium Roxb. Leguminosae 33 Shalmali Salmalia malabarica Schott & Bombacaceae 34 Lashun Allium sativum Linn. Liliaceae 35 Varahi Dioscorea bulbifera Linn. Dioscoreaceae

Table 3: List of *Dravvas* along with their *Raspanchaka* – I

Sr. No.	Dravyas	Rasa	Veerya	Vipaka	Guna	Doshik Karma	Varga
1	Haritaki	Lavan rahit 5 rasa Kashay rasa pradhan	Ushna	Madhur	Laghu, Ruksha	Tridoshahar	Abhayadi
2	Guduchi	Tikta Katu	Ushna	Madhur	Guru, Snigdha	Trodosha shamak	Abhayadi
3	Kashmarya/ Gambhariphal	Madhur, Kashay	Sheet	Madhur	Guru, Snigdha	Vata – Pitta Shamak	Abhayadi
4	Shalparni	Madhur, Tikta	Ushna	Madhur	Guru, Snigdha	Tridosh Shamak	Abhayadi
5	Jeevanti	Madhur	Sheet	Madhur	Laghu, Snigdha	Tridoshahar	Abhayadi
6	Krurak / Punarnava	Katu Tikta Kashaya	Ushna	Madhur	Laghu, Ruksha	Tridoshhar	Abhayadi
7	Ashwagandha	Tikta Katu, Madhur	Ushna	Madhur	Laghu, Snigdha	Kapha- Vata shamak	Abhayadi
8	Shatavari	Madhur, Tikta	Sheeta	Madhur	Guru, Snigdha	Vata-Pitt Shamak	Abhayadi
9	Vidarikanda	Madhur	Sheet	Madhur	Guru,Snigdha	Vata- Pitta shamak	Abhyadi
10	Sahastraveerya / Maha shatavari	Madhur, Tikta	Sheeta	Madhur	Guru, Snigdha	Vata - Pitta Shamak	Abhayadi
11	Bruhatbala / Sahdevi	Katu, Tikta	Ushana	Katu	Laghu, Ruksha	Kapha - Vata Shamak	Abhayadı
12	Bakuchi	Tikta,	Ushna	Katu	Laghu, Ruksha	Kaph- Vata shamak	Abhayadi
13	Bhrungraj	Katu, Tikta	Ushana	Katu	Ruksha, Laghu	Kapha-Vata Shamak	Abhayadi
14	Kakmachi	Tikta	Anushna	Katu	Laghu Snigdha	Tridoshaghna	Abhayadi
15	Ativisha	Tikta Katu	Ushna	Katu	Laghu, Ruksha	Kapha-Vata Shamak	Abhayad
16	Vridhhadaru	Katu Tikta Kashay	Ushna	Madhur	Laghu,Snigdha	Kapha - Vata shamak	Abhayadi
17	Somvalli	Katu	Ushna	Katu	Laghu, Ruksha	Kapha- Vata shamak	Abhayadi



	Table 4. List of Dravyas along with their Kaspanchaka II						
Sr. No	Dravyas	Rasa	Veerya	Vipaka	Guna	Doshik Karma	Varga
18	Musali	Madhur	Sheet	Madhur	Guru, Snigdha	Vata, pitta shamak, kapha vardhak	Abhayadi
19	Shankhapushpi	Tikta	Sheet	Madhur	Snigdha, Pichhil	Tridoshhar	Abhayadi
20	Bhramhi	Tikta	Ushna	Katu	Laghu	Kapha-Vata shamak	Abhayadi
21	Kumari	Katu	Sheet	Katu	Guru,Snigdha, Pichhil	Kapha-pitta Nashak	Abhayadi
22	Pippali	Katu	Anushna Sheet	Madhur	Laghu, Snigdha, Tikshna	Kapha - vata shamak	Shunthyadi
23	Guggul	Tikta Katu	Ushna	Katu	Laghu, Ruksha, Teekshna, Vishada, Shushma,Sar Sugandhi	Tridoshahar	Karpooradi
24	Tilak	Katu	Ushna	Katu	Laghu	Kahpa – Vata shamak	Karpooradi
25	Suvarna	Madhur Kashaya, Tikta,	Sheet	Madhur	Laghu, Snigdha	Tridoshaghna	Suvarnadi
26	Rajat	Madhur, Kashay, Amla	Sheet	Madhur	Snigdha, Sara	Kapha- Vata shamak	Suvarnadi
27	Parad	Shadras	Ushna	Madhur	Snigdha, Sara	Tridoshghna	Suvarnadi
28	Gandhak	Madhur, katu, Tikta	Ushna	Katu	Sara, Snigdha, Laghu	Kapha vathar	Suvarnadi
29	Makshik	Madhur	Sheet	Katu	Laghu	Tridoshaghna	Suvarnadi
30	Shilajatu (swarna)	Madhur	Sheet	Madhur	-	Kapha- Vata Shamak	Suvarnadi
31	Pilu	Tikta, Madhura	Ushna	Katu	Laghu, Snigdha Teekshna	Kapha – Vata shamak	Vatadi
32	Vijaysar / Bijak	Kashay Tikta	Sheet	Katu	Laghu, Ruksha	Kapha Pitta shamak	Vatadi
33	Shalmali	Madhur	Sheet	Madhur	Laghu, Snigdha, Pichil	Vata - Pitta shamak	Vatadi
34	Lasun	Amalarahit panchras	Ushana	Katu	Guru,Sara, Snigdha, Tikshna, Pichhil	Kapha - Vata shamak	Shakadi
35	Varahi	Katu, Tikta, Madhur	Ushana	Katu	Laghu, Snigdha	Tridoshhar	Shakadi

Table 5: Rasayana Dravyas as per their Rasa

Rasa	Number of Dravyas
Madhura	6
Madhur – Tikta	3
Madhur – Kashay	2
Madhur – Kashay – Amla	1
Madhur – Katu- Tikta	1
Madhur – Kashay- Tikta	1
Tikta	5
Tikta – Katu	2
Tikta – Katu – Madhur	1
Katu	4
Katu – Tikta	2
Kashay – Tikta – Madhur	1
Katu - Tikta – Kashay	2
Kashay – Tikta	1
Shadras	1
Amlarahit panchras	1
Lavanrahit pachras	1

Table 6: Rasayana Dravyas as per their Veerya

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Virya	No. Of Dravyas
Ushana	19
Sheet	14
Anushna	1
Anushnasheet	1

Table 7: Rasayana Dravyas as per their Viapaka

Vipaka	No. of Dravyas
Madhur	19
Amla	0
Katu	16

Table 9: Rasayana Dravyas as per their Doshghnata

Doshaghnata	No. of Dravyas
Tridoshhar / Tridoshshamak/	12
Kapha – Vata Shamak	14
Vata – Pitta Shamak	6
Kapha – Pitta ShamaK	2
Kapha – Pitta Nashak	1



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Table 8: Rasayana Dravyas as per their Guna

Guna	No. of
Laghu	3
Laghu – Snigdha	6
Laghu – Ruksha	7
Laghu – Ruksha – Teekshna – Vishada –	1
Laghu – Snigdha, Tikshna	2
Laghu - Snigdha – Pichhil	1
Ruksha – Laghu	1
Guru – Snigdha	7
Guru – Snigdha – Pichhil	1
Snigdha –Pichil	1
Snigdha – Sara	2
Guru , Sar, Snigdha, Tikshna, Pichhil	1
Sar – Snigdha – Laghu	1

Observations

- a) Total 35 Rasayana dravyas are found from Madanpal Nigahntu from which 29 dravyas are from plant origin and 6 are from rasaushadhi.
- b) 21 dravyas are from Abhayadi Varga and 1 from Shunthyadi Varga, 2 from Karpooradi Varga, 6 from Suvarnadi Varga, 3 from Vatadi Varga and 2 from Shakadi Varga.
- c) Out of 35 Rasayana dravyas, 6 dravyas have Madhur rasa, 3 dravyas have Madhur –Tikta, 2 dravyas have Madhur- Kashay rasa, 1 dravyas has Madhur- Kashay Amla rasa,1 dravyas has Madhur- Katu- Tikta rasa, 1 drug has Madhur- Kashay- Tikta rasa, 5 dravyas have Tikta rasa, 2 dravyas have Tikta Katu rasa, 1 dravyas has Tikta Katu- Madhur rasa, 4 dravyas have Katu rasa, 2 dravyas have Katu- Tikta rasa, 1 dravya has Kashay Tikta Madhur rasa, 2 dravyas have Katu- Tikta Kashay rasa, 1 dravya has Kashay Tikta rasa, 1 dravya has Shadrasa, 1 dravya has Amala rahit pancharasa, 1 dravya has Lavan rahit panchrasa.
- d) 19 dravyas have Ushana Veerya and 14 dravyas have Sheet Veerya, 1 dravya has Anushna Veerya, and 1 dravyas has Anushna Sheet Veerya.
- e) From these 35 dravyas, 19 dravyas have Madhur Vipak and 16 dravyas have Katu Vipak, and not a single dravya has Amla Vipaka.
- f) From all 35 dravyas, 7 dravyas are with Guru-Snigdha Guna, 1 dravya has Guru-Snigdha-Pichhil Guna, 3 dravyas have Laghu Guna, 6 dravyas have Laghu-Snigdha Guna, 7 dravyas have Laghu-Ruksha Guna, 2 dravyas have Laghu-Snigdha Teekshna Guna, 1 dravya has Laghu-Snigdha Pichhil Guna, 1 dravya has Laghu-Ruksha-Teekshna-Vishada-Sukshma Sara-Sugandhi Guna, 1 dravya has Ruksha-Laghu Guna, 1 dravya has Snigdha Pichhil Guna, 2 dravyas have Snigdha Sar Guna, 1 dravya has Guru-Snigdha-Sar Teekshna- Pichhil Guna, 1 dravya has Sar-Snigdha-Laghu Guna,
- g) Out of this 35 Rasayana dravays, 12 dravyas have Tridoshaghna / Tridoshhar property, 14 dravyas have Kapha – Vata Shamak property, 6 dravyas

Table 10: Rasayana Dravyas along with their related Pharmacological Activity responsible for Rasayana Karma - I

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Karma - 1					
Sr. No.	Dravyas nama	Related Pharmacological Activity Responsible For <i>Rasayana</i> Karma			
1	Haritaki (4)	Immunomodulatory, Antioxidant, Anti-aging, Adaptogenic, Cytoprotective			
2	Guduchi (5)	Immunomodulatory, Antioxidant, Anti-stress			
3	Kashmarya (6)	Antioxidant			
4	Shalparni (7)	Immunomodulatory, Antioxidant			
5	Jeevanti (8)	Antioxidant, Anti-depressant			
6	Krurak	Immunomodulator (9)Antioxidant, Anti-aging (10)			
7	Ashwagandha(11	Immunomodulatory, Antioxidant, Anti-stress, Adaptogenic, Anti- aging			
8	Shatavari (12)	Immunomodulatory, Antioxidant, Adaptogenic			
9	Sahastra-veerya	Immunomodulatory, Antioxidant, Adaptogenic			
10	Bruhatbala (13)	Antioxidant,			
11	Vidarikanda (14)	Nootropic			
12	Bakuchi (15)	Antioxidant			
13	Bhrungraj (16)	Immunomodulatory, Antioxidant			
14	Kakmachi (17)	Immunomodulatory, Antioxidant			
15	Ativisha (18)	Immonomodulatory, Antioxidant			
16	Vridhhadaru (19)	Immunomodulatory, Nootropic, Antioxidant,			
17	Somvalli (20)	Antioxidant			
18	Musali (21)	Immunomodulatory, Antioxidant, Anti-stress			
19	Shankhapushpi (22)	Antioxidant, Anti-stress, Anti- depressant, Nootropic			
20	Bhramhi (23)	Antioxidant, Anti-stress, Anti- depressant, Adaptogenic			
21	Kumari (24)	Immunomodulatory, Antioxidant, Anti-aging			
22	Pippali (25)	Immunomodulatory, Antioxidant			
23	Guggul (26)	Antioxidant			
24	<i>Tilak</i> (27)	Antioxidant			
25	Suvarna (28)	Immunomodulatory, Nootropic			
26	Rajat (29)	Antioxidant			
27	Parad (30)	Immunomodulatory			
28	Gandhak (31)	Immunomodulatory			
29	Makshik (32)	Antioxidant			
30	Shilajatu (33)	Immunomodulatory, Antioxidant Antioxidant			
31	Pilu (34)	Antioxidant			
32	Vijaysar (35) Shalmali (36)	Antioxidant, Androgenic and Anabolic			
34	Lasun (37)	Immunomodulatory, Antioxidant			
35	Varahi (38)	Immunomodulatory, Antioxidant [39]			
		(37)			



- have *Vata- Pitta Shamak* property, 2 *dravyas* have *Kapha Pitta Shamak* property and 1 *dravya* has *Kapha Pitta Nashak* property.
- h) Out of 35 Rasayana dravyas, 31 dravyas are Antioxidants, 20 dravyas have Immunomodulatory action, 5 dravyas are Adaptogenic, 4 dravyas are Noootropic, 3 dravyas are Antidepressants, 5 dravyas have Anti- stress action.

Discussion

According to Raspanchaka of Rasayan drvayas 6 dravyas have Madhur Rasa, 19 dravyas have Madhur Vipaka and, 19 dravyas have Ushana Veerya, 16 dravyas have Sheet Veerya. Out of 35 dravyas screened from Madanpal Nighantu, 31 dravyas have Antioxidant activity, 20 dravyas are proved for their Immunomodulatory action, 5 dravyas are Adaptogen and 4 have Anti-aging property. 4 dravyas are Nootripic, 3 dravyas are Anti-depressant and 5 dravyas have Anti- stress action. 12 dravyas have Tridoshaghna / Tridoshhar property, 13 dravyas have Kapha – Vata shamak property.

The action of Rasayana dravyas is at various levels of bio-system to promote nutrition; at the level of Agni by promoting digestion and metabolism, at the level of Strotas by promoting microcirculation and tissue perfusion and at the level of Dhatu from Rasa to Shukra, ultimately resulting in increased amount of Ojus. Maximum dravyas which are screened from Madanpal Nighantu have Madhur and Tikta Rasa; Madhur Vipak; Ushana and Sheeta Veerya; Guru-Snigdha Guna, Laghu-Snigdha and Laghu-Ruksha Guna.

Sheeta Veerya, Madhur Vipaka and Guru-Snigdha Guna which are responsible for Saptadhatu Vardhana starting from first Dhatu Rasa to last Dhatu Shukra, which ultimately increases Saptadhatu Sara i.e. Ojus. In Ayurveda it has been cited that more the amount of Oja more the Rasayana action. Also there are Ushna Veerya dravyas which are having Rasayana Karma by increasing Sapta dhatwagni vardhana leading to Prashasta Saptadhatu and oja. In this context these Ushna veerya dravyas have Laghu, Snigdha Guna which helps in Srotosshodhana process. Most of the dravyas having Tridoshahara property by which they maintain Tridosha balance which leads to Rasayana Karma

Most of the Rasayana dravyas from Madanapal Nighantu are Antioxidants, and have Immunomodulatory action, Adaptogenic property, Nootropic, Anti-depressant and Anti-ageing property.

Conclusion

Out of 35 dravyas screened from Madanpal Nighantu, most of the dravyas are from Abhayadi Varga and they have Madhur, Tikata or Katu Ras as a Pradhan Rasa or Anurasa. Madhur Vipaka and Ushna Veerya with Guru – Snigdha, Laghu – Snigdha or Laghu Rukasha Guna. Tridoshahara Karma are pre-dominant amongst the Rasayana dravyas group. 31 dravyas have

Antioxidant property, 20 drugs have Immunomodulatory action, 5 drugs are Adaptogenic, 4 are Nootropic, 3 are Anti-depressant and 5 have Antistress action. As per the modern science Antioxidant property is responsible for rejuvenation, which validates that Rasayana dravyas explained by Madanpal Nighantu are supported by modern pharmacology. Routine use of these Rasayana dravyas will promote life, prevent disease, maintain positive health and protect youthfulness by maintaining balance of Tridoshas and psyche and will help in fighting against various infections. In Post COVID-19 patient, daily use of Rasayana dravyas will help to regain the immunity. It can be state that Rasayana Chikitsa is a boon given by Ayurveda to the world.

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