ABSTRACT: Madanandi Gana is integral part of Madanadi Nighantu. The Madanadi Nighantu is also called as Chandra Nighantu. The author of this Chandra Nighantu is Chandra Nandana who was the one of the Kashmiri Pandit well versed in Ayurveda Shastra. He wrote Padartha Chadrika Tika on Asthanga Hridaya. This Madanadi Nighantu would be placed in 12 century. Because one of the Kashmiri Vidwan Kshira Swami in his Amarakosha Tika he mentioned Chandra. The Madanadi Gana comprises 23 drugs. Viz; Madana, Madhuyasthi, Katuka alabu/Katu tumbi, Nimba, Maha nimba, Bimbi, Indravaruni, Vana Trapusa, Kutaja, Murva, Devadali, Vidanga, Vetasa, Chitraka, Danti, Dravanti, Koshataki, Karanja, Pippali, Pippalimoola, Saindhva Lavana, Sauvarchala Lavana, Vida Lavana, Samudra Lavana, Vacha, Sukshma Ela, Sthula Ela, Harenu, Sarshapa, Shweta Sarshapa. Among these Madana, Yasthimadhu, Torai, Nimba, Bimbi, Vishala, Trapusa, Kutaja, Murva, Devadali, Vidanga, Vidula, Chitraka, Chitra, Koshataki, Karanja, Pippali, Lavana, Vacha, Ela, Sarshapa all these drugs are Chardi Karaka or Vamana Karaka which induces vomiting. Here an attempt is made to highlight these drugs with their botanical name, family along with pharmacological activities are mentioned strictly on bases of the Madanadi Nighantu. Further scope of study is to evaluate these drugs having Roshogna Karma(Anti viral actions), Krimighna(Anti helminthic actions), Jwaraghna(Anti pyretic actions), Shoolarahara(Analgesic and anti spasmodic actions) Garbhapatakara(Anti abortive actions), with modern parameters.

Keywords: Madanandi Gana, Roshogna Karma, Analgesic and anti spasmodic
INTRODUCTION-

As the name itself tells the Madanadi Gana is group of drugs which is used to induce vomiting. The first drug in this group is Madana Phala. So named Madanadi Gana. The Nighantu starts with the drug named Madanaphala called Madanadi Nighantu. The author of this book was Acharya Chandranandana who was the son of Ravinandana. He was on the Kashmiri Ayurvedic Pandit. He had written the Madanadi Nighantu on the base of Asthanga Hridaya Sutrasthana 15th chapter Madanadi Gana. The Chandra Nighantu is placed in 12th century. This Chandra Nighantu also called as Madanadi Nighantu. The drugs in this group are; Madana, Madhuyasthi, Katuka alabu/ Katu tumbi, Nimba, Maha nimba, Bimbi, Indravaruni, Vana Trapusa, Kutaja, Murva, Devadali, Vidanga, Vetasa, Chitraka, Danti, Dravanti, Koshataki, Karanja, Pippali, Pippalimoola, Saindha Lavana, Sauvarchala Lavana, Vida Lavana, Samudra Lavana, Vacha, Sukshma Ela, Sthula Ela, Harenu, Sarshapa, Shweta Sarshapa. Among these Madana, Yasthimadhu, Torai, Nimba, Bimbi, Vishala, Trapusa, Kutaja, Murva, Devadali, Vidanga, Vidula, Chitraka, Chitra, Koshataki, Karanja, Pippali, Lavana, Vacha, Ela, Sarshapa.

DISCUSSION-

The Synonyms, Family, Botanical Name, Pharmacological activities of these above mentioned drugs are elaborated systematically.

MADANA[2]. Botanical Name- Randia floribunda (Roxb.) DC, Family- Rubiaceae
Synonyms- Madana, Shalyaka, Ratha, Pindita, Kahataka, Gala, Phala, Gaalava, Shwasana, Vishapushpaka.

Pharmacological Actions-

- These group of drugs are *Urdwabhagahara*. The *Doshas* can be expelled out through the oral route by *Vamana* (Vomiting).
- The *Madana Phala* is *Swadu* (Sweet), *Kaphagna* (Subsides *Kapha Dosha*), *Lekhana* (Scraping action on tissues), *Laghu* (Light). *Madanaphala* is considered as best *Vamana Dravya*.

**MADHVYASTHI**[^3]. Madhuyasthi is of two types *Sthalaja* and *Jalaja*. Here *Jalaja* to be trade from the sea route.

Botanical Name- *Glycyrrhiza glabra* Linn, Family- Fabaceae

Synonyms- Madhuyasthi, Madhuka, Yasthavha, Madhuyasthika, Yasthimdhu, Klitanaka.

Pharmacological Actions-

- *Yasthimadhu* is *Rakatapittangha* (Cures blood diseases), *Vrina* *Shodhana* (Cleanses wounds), *Vrina* *Ropana* (Heals wounds).
- It is *Guru* (Heavy), *Swadu* (Sweet), *Sheetala* (Cold in potency), *Vrishya* (Aphrodisiac), *Chakshushya* (Improves vision), *Swara Varnakaraka* (Improves voice and complexion).

**KATUKALABU/ KATUTUMBI[^4]**.

Botanical Name- *Lagenaria vulgaris* Seringe, Family- Cucurbitaceae,

Synonyms- Katuka, Alabu, Lamba, Tumbi, Ikshwaku, Mahaphala, Rajaputri, Pindaphala, Tiktalabu, Brihatphala.

Pharmacological Actions-

- It is *Khapittahara* (Subsides *Kapha* and *Pitta Doshas*), *Tikta* (Bitter), *Sheetala* (Cold in potency), *Laghu* (Light), *Urdhwabhagahara* (Expels *Doshas* from oral route). It alleviates *Kapha* and *Pittha* *Rogas*.

**NIMBA**[^5]. Botanical Name- *Azadirachta indica* (Linn) A. Juss, Family- Meliaceae

Synonyms- Nimba, Arista, Subhadra, Pichumanda, Shukapriya, Sutikta, Sarvatobhadra, Prabhadra, Varatiktaka.

Pharmacological Actions-

- It is *Tikta* (Bitter), *Sheetala* (Cold in potency). It cures *Krimi* (Worms), *Kustha* (Skin diseases), *Kapha* *Doshas*.
MAHANIMBA\textsuperscript{[6]}- Botanical Name- Melia azedarach Linn, Family- Meliaceae  
Synonyms- Mahanimba, Gairika, Shukashalaka, Brihannimba, Nimbavara, Karmuka, Vishamusthika.  
Pharmacological Actions-  
- It is Grahi (Absorbent), Kashaya (Astringent), Ruksha (Dry), Sheetala (Cold in potency).

BIMBI\textsuperscript{[7]}- Botanical Name- Coccinia cordifolia Cogn, Family- Cucurbitaceae  
Synonyms- Bimbi, Raktaphala, Golha, Tundikeri, Tundika, Osthopamaphala, Tundi.  
Pharmacological Actions-  
- It is Raktapittahara (Subsides blood diseases), Madhura Rasa (Sweet in taste), Madhura Vipaka (Sweet at post digestive effect), Pittaghni (Alleviates Pitta Dosha, Kamala - Jaundice).
- It is Kaphakaraka (Increases Kapha Dosha, Vamanakara (Induces vomiting).

INDRAVARUNI\textsuperscript{[8]}- Botanical Name- Citrullus colocynthis (Linn). Schrad, Family- Cucurbitaceae  
Synonyms- Vishala, Mrigarvaru, Gavakshi, Gajachirbhit, Gavadi, Sthulaphala, Mrigabhaksha, Indravaruni  
Pharmacological Actions-  
- It alleviates Kamal (Jaundice), Panduroga (Anemia).
- It is Kapha-Pittashamaka (Subsides Kapha and Pitta Doshas), Laghu (Light), Tikta (Bitter in taste).

VANATRAPUSA\textsuperscript{[9]}- Botanical Name- Podophyllum hexandrum Royle, Family- Berberidaceae  
Synonyms- Hasthi parnini, Kantaka  
Pharmacological Actions-  
- It is Tikta (Bitter), and Mutrala (Diuretic). It is used in the Vamana (Inducing vomiting), cures Daha (Burning sensation), Mutravarodha (Dysuria), Katu Rasa (Pungent in taste), Katu Vipaka (Pungent in post digestive effect).
**KUTAJA**[10]. Botanical Name- \textit{Holarrheina antidysenterica} (Linn) Wall.
Family- Apocynaceae.

Synonyms- Kutaja, Vastaka, Tikta, Vrikshaka, Girimallika, Varatikta, Shakravriksha, Kutaja, Neelayasthika. The seeds of Kutaja called as Shakrsaavha, Indrayava, Shatakatuaya.

Pharmacological Actions-
- It is Tikta(Bitter), Deepana(Appetizer), Paachana(Digestive), and Grahi(Absorbent).
- It is used in the Raktapitta(Bleeding disorders), Arsha(Haemorrhoids), Krimikustha(Skin diseases including worms).

**MOORVA**[11]. Botanical Name- \textit{Marsedenia tenacissima}(Roxb) Moon,
Family- Asclepiadaceae

Synonyms- Moorva, Madhurasa, Devi, Peeluparni, Madhusrava, Devashreni, Swaduras, Laghupatri, Pruthutwacha.

Pharmacological Actions-
- It is Madhura(Sweet in taste) Madhura Vipaka(Sweet at post digestive effect), Pittanashaka(Subsides Pitta Dosha), Jwaragna(Subsides Fever), Mukhashosha(Dryness of mouth).

**DEVADALI**[12]. Botanical Name- \textit{Luffa echinata} Roxb, Family- Cucurbitaceae

Synonyms- Jeemutaka, Devadali, Vrittakosha, Garagari, Veni, Romashapatra, Karkoti, Akhuvishapha.

Pharmacological Actions-
- It is Katu(Pungent in taste), Teekshna(Penetrating), Katu Vipaka(Pungent in post digestive effect),
- It subsides Visha(毒), Kapha, Arsha(Haemorrhoids), Krimi(Worms).

**VIDANGA**[13]. Botanical Name- \textit{Embelia ribes} Burm. f., Family- Myrsinaceae

Synonyms- Vidanga, Krimijit, Vella, Kairala, Chitratandula, Krimishatru, Krimihara, Jantughna, Kriminashana.

Pharmacological Actions-
- It is Katu Vipaka(Pungent at post digestive effect), and Krimi Nashaka(Alleviates worms infestation).
• It Subsides Kapha and Vata Doshas, Shool(Pain), Anaha(Flatulence), Arti(Spasmodic pain).

**VETASA**[14]. Botanical Name- Salix caprea Linn, Family- Salicaceae

**Synonyms**- Vidula, Namra, Vanjula, Deerghapatraka, Nadeyi, Gandhapushpa, Jalaukasamvrita.

**Pharmacological Actions**-
- It is Kashaya(Astringent), Ushna Virya(Hot in potency).
- It alleviates Dustha Vrina(Chronic wounds), Mutrakrichra(Dysuria), Ashmari(Calculi)

**CHITRAKA**[15]. Botanical Name- Plumbago zeylanica Linn, Family- Plumbaginaceae

**Synonyms**- Chitraka, Dahana, Vanhi, Shikhi, Agni, Pavaka, Jyoti, Jwala, Dwipisanja, Paathi, Daruma, Shatha.

**Pharmacological Actions**-
- Chitraka subsides Shopha(Edema), Arsha(Haemorrhoids), Krimi(Worms), Kustha(Skin diseases).

**DANTI**[16]. Botanical Name- Baliospermum montanum(Willd) Muell. Arg. Family- Euphorbiaceae

**Synonyms**- Danti, Mukulaka, Chitra, Nikumbha, Upachitraka, Koola, Udumbaraparni, Vishalya, Ghunapriya.

**Pharmacological Actions**-
- It is Katu(Pungent in taste), Agnideepna(Stimulates Digestive fire), Katu Vipaka(Pungent at post digestive effect), Virechaka(Purgative).
- It alleviates Anaha(Distention), Udarashoola(Pain abdomen), Pleeharoga(Diseases of spleen).

**DRAVANTI**[17]. Botanical Name- Croton tiglium Linn, Family- Euphorbiaceae

**Synonyms**- Dravanti, Shambari, Chitra, Nyagrodha, Mushikavhaya, Pratyakashreni, Visha, Chanda, Shubhashreni, Akhuparnika.

**Pharmacological Actions**-
- It is Katu(Pungent in taste), Agnideepna(Stimulates Digestive fire), Katu Vipaka(Pungent at post digestive effect), Virechaka(Purgative).
It alleviates *Anaha* (Distention), *Udarashoola* (Pain abdomen), *Pleeharoga* (Diseases of spleen).

**KOSHATAKI**\(^{[18]}\) - **Botanical Name** - *Luffa acutangula* (Linn) Roxb  
**Family** - Cucurbitaceae

**Synonyms** - Koshataki, Kritachidra, Jalini, Kritavedhana, Kshweda, Sutikta, Ghnatali, Mridangapahalika.

**Pharmacological Actions** -
- It is *Katu Vipaka* (Pungent at post digestive effect), *Laghu* (Light). It subsides *Kapha* and *Vata Doshas*, *Pandu* (Anemia), *Kamala* (Jaundice).

**KARANJA**\(^{[19]}\) - **Botanical Name** - *Pongamia pinnata* (Linn) Pierre  
**Family** - Fabaceae

**Synonyms** - Karanja, Naktamala, Prakirya, Pushpamanjari, Ghritapura, Gucchapushpa, Snighdakaranjaka.

**Pharmacological Actions** -
- *Karanja* is *Katu Rasa* (Pungent in taste), *Katu Vipaka* (Pungent post digestive effect).

It alleviates *Krimi* (Worms), *Kustha* (Skin diseases), *Pleeha* (Spleen diseases), *Udavartahara* (Regurgitation), *Arsha* (Haemorrhoids).

**PIPPALI**\(^{[20]}\) - **Botanical Name** - *Piper longum* Linn  
**Family** - Piperaceae

**Synonyms** - Pippali, Magadha, Krishna, Vaidehi, Chapala, Kana, Magadhika, Shaundi, Kola, Ushana, Katu.

**Pharmacological Actions** -
- It is *Snigdha* (Demulcent), *Karu* (Pungent), *Vrishya* (Aphrodisiac).

**PIPPALI MOOLA**\(^{[21]}\) - **Botanical Name** - *Piper longum* Linn  
**Family** - Piperaceae

**Synonyms** - Magadha, Pippalimoola, Kanamoola, Rudhaka, Granthila, Chapalamoola, Krishnamoola, Shaundika.

**Pharmacological Actions** -
- It alleviates *Gulma*, *Pleeharoga* (Spleen diseases), *Udararoga* (Abdominal diseases), *Anaha* (Distention of the abdomen), *Shoola* (Pain), *Krimiroga* (Worms infestation).
Pippalimoola is Ushna Virya (Hot in potency).

SAINDHAVA LAVANA

Synonyms: Saindhava, Manimantha, Nadeya, Lavanottama, Sindhutha, Sindhuja, Shrestha, Vimala, Vara Saindhava.

Pharmacological Actions:
- It is Suswadu (Palatable), Vrishya (Aphrodisiac), Hridya (Good for heart), Tridoshanashaka (Subsides all the three Doshas, Vata, Pitta and Kapha Doshas). Laghu (Light), Anushna (Niether heat nor cold), Good for eyes, Avidahi (Does not cause burning sensation), Agnidipana (Stimulates appetite).

SAUVRCHALA LAVANA

Synonyms: Sauvarchala, Ruchaka, Sugandha, Hridyagandhaka, Aksha, Kala Lavana, Magadha, Krishna.

Pharmacological Actions:
- It is Laghu (Light), Katu (Pungent), Katu Vipaka (Pungent at post digestive effect), Hridya (Good for heart), Sugandhayukta (Pleasant odour), Udgarashodhaka (Relieves belching), Ruchikaraka (Tasty), Vibandhadhara (Relieves constipation), Anahanashaka (Relieves distention of abdomen).

BID LAVANA

Synonyms: Bida, Kritrima, Pakya, Ghatika Lavana, Dravida, Khanda Lavana, Kritaka, Dhoorta, Asura.

Pharmacological Action:
- It is Anulomaka ie it expels Kapha and Vata Doshas through down direction.
- It cures Vibandha (Constipation), Gaurava (Heaviness in the body), Shoolo (Pain).

SAMUDRA LAVANA

Synonyms: Trikuta, Var Sambhava Audbhida, Parthiva, Bhaumya, Bhumtyutha.

Pharmacological Actions:
- It is Madhura Vipaka (Sweet at post digestive effect), Guru (Heavy), Shleshmavardhaka (Increases Kapha Dosha).
Audbhida Lavana is Tikta (Bitter), Katu (Pungent), Kshara (Alkali), Teekshna (Penetrating), Utkledi (Nauseating).

All types of Lavana are Vishyandi (Cleansing), Sookshma (Minuteness), Srishathamala (Increases Mala in the body), Mridu (Softness), Vataghna (Subsides Vata Dosha), Kapha Pittajanak (Increases Kapha and Pitta).

**YAVAKSHARA**[26].

**Synonyms-** Yavakshara, Yavashuka, Yavaja, Yavashukaja

**Pharmacological Actions-**

- It subsides Kapha and Vaata, Gulma, Hridroga (Heart diseases), Grahani (Sprue syndrome), Pandu (Anemia), Pleeha (Spleen diseases), Galaroga (Throat diseases), Shwasa (Asthma), Arsha (Haemorrhoids), Krimi (Worms), Kustha (Skin diseases).

**SWARJI KSHARA**[27].

**Synonyms-** Swarjika, Sarjika Kshara, Sroughni, Paakya, Sugandhika

**Pharmacological Actions-**

- Teekshna (Penetrating), Ushna (Hot in potency), Pitta and Rakta dusshaka (Vitiates the blood and Pitta Dosha), Paaki (Causes inflammation), Chedi (Separating), Ahridya (Not good for heart), Katu (Pungent in taste), Lavanayukta (Salty), Kesha-Shukra-Oja-Drishti Nashaka (Causes hair, semen, Oja (Essence of seven Dhatus), and loss of vision).

**VACHA**[28].

**Botanical Name-** Acorus calamus Linn, **Family-** Araceae

**Synonyms-** Vacha, Ugragandha, Jatila, Shadgrathi, Hemavati, Shukla, Teekshnagandha, Ugra, Rakshognhi, Lomashavhaya.

**Pharmacological Actions-**

- It is Medhya (Brain tonic), Kaphahara (Subsides Kapha Dosha), Tikta (Bitter), Katu Vipaka (Pungent at post digestive effect), Rakshogni (Antiviral effect), Unmada-Apasmarahara (Subsides euphoria and epilepsy).
SOOKSHA ELA\textsuperscript{[29]} - Botanical Name- \textit{Elettaria cardamomum} (Linn) Maton, \textbf{Family}- Zingiberaceae

\textbf{Synonyms-} Sukshmela, Dravidi, Tutthya, Baalaila, Bahula, Truti, Kshudraila, Nishkuti, Chandra, Garbhavisravini.

\textbf{Pharmacological Actions-}

- It is \textit{Agnidipana}(Appetizer), \textit{Pachana}(Digestive), \textit{Ruksha}(Dry), \textit{Kaphanashaka}(Subsides Kapha Dosha), \textit{Pittavardhaka}(Induces Pitta), \textit{Mukhadaurgandhya Nashaka}(Relieves bad smell from the mouth), \textit{Garbhasravakaraka}(Induces uterine secretions).

STHOOLA ELA\textsuperscript{[30]} - Botanical Name- \textit{Amomum subulatum} Roxb, \textbf{Family}- Zingiberaceae

\textbf{Synonyms-} Patraila, Brihadelia, Shulaila, Twaksugandhika, Tridiva, Tridivodbhuta, Prithvika, Kanya, Puta

\textbf{Pharmacological Actions-}

- It is \textit{Agnidipana}(Appetizer), \textit{Pachana}(Digestive), \textit{Ruksha}(Dry), \textit{Kaphanashaka}(Subsides Kapha Dosha), \textit{Pittavardhaka}(Induces Pitta), \textit{Mukhadaurgandhya Nashaka}(Relieves bad smell from the mouth), \textit{Garbhasravakaraka}(Induces uterine secretions).

HARENU\textsuperscript{[31]} - Botanical Name- \textit{Vitex agnus-castus} Linn, \textbf{Family}- Verbenaceae

\textbf{Synonyms-} Harenu, Renuka, Kaunti, Panduputri, Brihattutri, Kapilaila, Rajaputri, Nandini, Chakrachrbhiti.

\textbf{Pharmacological Actions-}

- It is \textit{Ushna Virya}(Hot in potency), \textit{Tikta}(Bitter), \textit{Kapha Nashak}(Subsides Kapha Dosha), \textit{Agnidipana}(Appetizer), \textit{Pachana}(Digestive), \textit{Medhya}(Brain tonic), \textit{Krimighni}(Subsides worm infestation), \textit{Garbhapatakari}(Induces abortion).

SARSHA PA\textsuperscript{[32]} - Botanical Name- \textit{Brassica campestris} Linn, \textbf{Family}- Brassicaceae

\textbf{Synonyms-}

\textit{Shweta Sarshapa}- Dundubha, Gaura, Siddhartha, Bhutanashini, Grihaghn, Katuka, Sheta, Rakshoghn, Vijayavaha

\textit{Rakta Sarshapa}- Asuri, Rajika, Chitrala, Rakatasarshapa, Katuka, Teekshnagandha, Suteekshna, Kshavaka, Kshava.
Pharmacological Actions-

- Dipana (Appetizer), Katupaka (Pungent at the post digestive effect), Krimighna (Subsides worms), Shoolanashaka (Analgesic), Rakshogna (Anti-Viral) in actions.

CONCLUSION-

Most of the drugs mentioned in this group are Katu Rasa, Katu Vipaka, Ushna Virya, Laghu Ruksha Teekshna Guna. These drugs are mainly used in the Kaphaja rogas. Therefore indicated in Vaman Karma. These drugs are also called as Vamana Dravyas. Here an attempt is made to highlight these drugs with their botanical name, family along with pharmacological activities are mentioned strictly on bases of the Madanadi Nighantu. Further scope of study is to evaluate these drugs having Roshogna Karma (Anti viral actions), Krimighna (Anti helminthic actions), Jwaraghna (Anti pyretic actions), Shoolahara (Analgesic and anti spasmodic actions) Garbhapatakara (Anti abortive actions), with modern parameters.

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