



EVALUATE THE ANSHANSH-KALPANA OF ASNADI GANA IN COMPLICATION OF MADHUMEHA

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INTRODUCTION

Diabetes-mellitus is a heterogeneous metabolic disorder As per WHO characterised by common feature of chronic hyperglycemia with disturbance of carbohydrate, fat and protein metabolism. The prevalence of diabetes among adult over 18 years of age has risen from 4.7% in 1980 & 8.5% in 2014, its raising rapidly in *Middle age group* and *low income countries*. DM is a leading cause of morbidity and mortality the world over, especially type-2 DM, due to rising incidence of obesity and reduced activity levels. DM is expected to continue as a major health problem owing to its serious complication like end stage renal disease, IHD, gangrene of the lower extremities and blindness in the adult. In ayurveda DM is very well correlated with MADHUMEHA. Acharya Charak mentioned Madhumeh under the *Ojomeha* which is type of Vataj Prameh in (Charak nidhan 4/40) & (Charak chikitsa 6/11). Madhumeha is the medo-vaha srotas dustigat vyadhi, the lipid tissue is located in the body in various form Medo-vaha srotas can be considered as all the tissue which is transport the medo-dhatu, may be adipose tissue or a lipid. Medovah-srotomula mentioned by Charak as Vrikka-vapavahan and Shushrut as Kati-vrikka, In both text-book vrikka is a common factor its chief function is mostly concerned with elimination of metabolic end product may be because they are formed by the Prasad bhaga of Rakta & Medas, since these are formed out of medas, they also do the pusti of medas and equilibrium of the body. Kati is also filled with fat but Vapavahana is nothing but it is tail-vartika and snigha-vartika mentioned by Chakrapani Dutta. *Asnadi Gana* which has 23 drug mentioned by acharya Vagbhata (Ast.Hr. 15/20) play very important role in Madhumeha as well its complications mentioned in (Charak nid 4/48) & (Shus. Nid. 6/15) too. Out of 23 drug 41.66% drug is Kashay-rasa Pradhan, 33.33% is Tikta rasa, 47.22% is Laghu guna, 44.44% is Ruksh, 100% drug is Katu and 63% dravya is Kaphpitta shamak. It has properties like *Mutra sangrahniya* due to kashay ras, *Dahprashman*, *kusthaghn*, *kandughn*, *Vranropan*, *Sphotaghn*, *Pandu*, *Pramehaghn*, *Madhumehhar*, & *Vranshodhan*. Due to above all properties very helpful to treat the disease. Aim of the study is to know the effect of Asnadi Gana in Madhumeha.

AIM AND OBJECTIVE

- (1) To get absolute knowledge about Complication of Madhumeha.
- (2) To know the role of Asnadi Gana in complication of mdhumeha.

Classification: Currently DM is classified into two broad categories Type-1 & Type-2 then type-1 DM is further divided into subtype 1A (immune-mediated) & subtype 1B (idiopathic). They are described below:-

Type 1 DM: It constitutes about 10% case of DM occurs commonly in patient under 30 years of age. it was previously termed as juvenile-onset diabetes (JOD) due to its occurrence in younger age and called Insuline-dependent DM because these patient had absolute requirement for insulin replacement as treatment.

Subtype 1A (immune-mediated): Characterised by autoimmune destruction of β -cell which is led to insulin deficiency.

Subtype1b (idiopathic): It is characterised by insulin deficiency with tendency to develop ketosis but these patient are negative for autoimmune markers.

Type 2 DM: Rest 80% cases of DM affected older individuals previously called maturity-onset diabetes (MOD) by the person who are obese or non-obese.

Gestational DM: About 4% pregnant women develop DM due to metabolic changes during pregnancy. Although they revert back to normal glycaemia after delivery, these women are more prone to develop DM later in their life.

Calculation of BMI (Body Mass Index)

$$\frac{\text{Weight}}{(\text{Height in mts})^2}$$

18.5-24.9	normal BMI
25-29.9	over weight
30-34.9	class I obesity
35-39.9	class II obesity
More then 40	class III extreme obesity

Complication of Madhumeha

No.	Kaphaj Prameha	Charak	Shushrut	Vagabhatta	Madhav Nidan
01	Makshiko sarpana	-	-	+	-
02	Pratishayay	-	+	-	-
03	Angashaithlya	-	+	-	-
04	apachan aaruchi	+	+	+	+
05	Vamana	-	+	-	-
06	Shwas-kasa	-	+	+	+
07	Kapha strawa	-	+	-	-

No.	Pittaj Prameha	Charak	Shushrut	Vagabhatta	Madhav Nidan
01	Vrishana awadarana	-	+	+	-
02	Hricha shoola	-	+	-	+
03	Amlika	-	+	-	+
04	Jwara-atisra	+	+	-	+
05	Vamana	+	+	-	-
06	Daha-Pipasa	+	+	-	+
07	Pandu	+	+	-	-
08	Peetvinmutranetra	-	+	-	-

No.	Vataj Prameha	Charak	Shushrut	Vagabhatta	Madhav Nidan
01	Hridagraha	+	+	+	+
02	Loulya	-	+	+	+
03	Anidra	-	+	-	+
04	Sthambha	-	+	-	-
05	Kamp	-	+	+	+
06	Shoola	-	+	+	-
07	Shosh	-	-	+	+

Anshans-kalpna of Asnadi Ghan**Rasa % &**

No.	Rasa	Percentage
01	Madhura	13.51%
02	Amla	00
03	Lavana	00
04	Katu	13.51%
05	Tikta	32.43%
06	Kashaya	40.54%

Guna %&

No.	Guna	Percentage
01	Laghu	47.22%
02	Ruksha	47.22%
03	Tikshana	2.7%
04	Guru	2.7%

Veerya %&

No.	Veerya	Percentage
01	Sheeta	60%
02	Ushana	40%

Vipaka %&

No.	Vipaka	Percentage
01	Madhura	00%
02	Amla	00%
03	Lavana	100%

Dhoshagnata %&

No.	Dhoshagnata	Percentage
01	Kaphpitta shamak	70%
02	VataPitta shamak	10%
03	Tridosha Shamak	15%
04	Kapha vata shamak	10%
05	Pitta Vardhaka	05%

Role of Asnadi Gana in Complication

- (1) **Pratishyay-Swas-kasa:-** Karanj, khair, Shwet-sara is Katu-Tikta-Kashay ras & Katu vipak as well as all drug are Kaph-Pitta shamak so help to treat the disease.
- (2) **Apchana:-** Kutaj, Karanj, Sagoun these drug are Deepan-Pachan-Lekhan-Upshoshan & Agnidipak so its increase the digestive mechanism.
- (3) **Atisar:-** Palash, Karanj, Rakta-Chandan, Vijaysar, Tinish these drug are Deepan-Pachan-Grahi-Stambhan and especially Vijaysar & Tinish has a Gum which is highly Grahi properties so it is play very important role to prevent the Atisar in condition of complication.
- (4) **Daha-Trishna:-** Shwet-Chandan & Daruharidra is Kaphapitta shamak, Dahprashmana, Trishna-Nigrahana. Daru-haridra is used with Amlaki swaras & Madhu.
- (5) **Pandu-Kamla:-** In Bhavprakash especially mention Bhojpatra & Tinish is helpful to treat Pandu and Peetvinmutrata.
- (6) **Jwara:-** Tada, Karanj, Shwet-Chandana all 3 drugs are Katu-Tikta-Kashay ras these rasa are also pitta shamak so usefull in Jwara and Tinish bark and seed powder of Karanj is Jwaraghn properties. Shwet-chandana is produce excessive sweating.
- (7) **Hridshoola:-** Arjun brak is used with Ksheer-paka method in all type of Heart Disease according to Bhavprakash.
- (8) **Vamana:-** Kutaj, Shwet-chandana, Shesham helpful in vamana. Shwet-chandan is prevent vamana. used with amlaki swaras.
- (9) **Amlika:-** Palash & Tada specially Bhasma of Nutan pushp of Tada has a Amlika nasak properties mention by Bhavprakash.
- (10) **Anga-shaithalya:-** Medha-shringi is use full in Angamarda.
- (11) **Cateract:-** Kwath of Siras leaf very effective in Cateract and also it has a properties of chakchusya.

RESULT

It has properties like *Mutra sangrahnaya* due to kashay ras, *Dahprashman*, *kusthaghn*, *kandughn*, *Vranropan*, *Sphotaghn*, *Pandu*, *Pramehaghn*, *Madhumehhar*, *Jwaraghana*, *Deepan*, *Pachan*, *vishagn*, *Balya*, *Lekhan*, *Daurbaly*, *Pitt-shama*, *Grahi*, *Vibandhhar*, *Hridroghara* & *Vranshodhan*. Due to above all properties Asnadi

Gana is very helpful to treat the complication of Madhumeha.

DISCUSSION

According to all above table Drug Asnadi Ghan is help to treat the disease, in detailed we described below:-

- (1) In Asnadi Ghan 40.54% drug are Kashay Rasa which has properties like Stambhan, Shoshan, Ropan, Sandhaneey & Mutra-sangrahnay. Due to mutrasangrahnay properties its prevent the Prabhutavil mutrata which is main symptom of Madhumeha.
- (2) 32.43% drug are Tikta Rasa they has a properties like Deepan, Pachan, Chedan, Lekhan, Trishna-nigrahan.
- (3) In Asnadi Gana 13.51% drug are Katu Rasa which is Deepan, Pachan, Lekhan, Grahi & Strotas Shodhak,
- (4) In 47.22% drug are Ruksha guna which is dried Meda dhatu and Kapha shamak as well as scrap the Meda- Mansa dhatu these are the main pathology of Madhumeha.
- (5) 40% drug are Ushana veerya they prevent the formation of ketone bodies and free redical so metabolic reaction going through proper chanel
- (6) 60% drug are Sheet veerya it has properties like Vishyandan, Jeevneey, Stambhan & Balya.
- (7) 100% drug are Katu vipak which is Chedan properties as well as Deepn –pachan also prevent the formation of ketone bodies and free redical in blood stream.
- (8) In Asnadi Gana has 70% drug are Kapha-Pitta shamak, 15% drug Tridosh shamak, 10% drug are Vata-Pitta shamak, 10% kapha-vata shamak and 5% drug are pitt vardhak which is helpful to stimulated to Pancreas to regulate the formation and secretion of Insulin.

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