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A Comparative Clinical Study of Dhatu Taila And Gunja Taila Externally In Darunaka

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Abstract:

In Ayurveda the goal treatment of Prameha is to controls and manageable. Polyuria (Prabhutvikmutrata) is main symptoms of prameha. Polyuria is defined as frequent passage of large volume urine more than 3lit.in a day. Conventional and herbal drugs all begging used to control the blood sugar level as well as polyuria.

In Brahatrayimutrasangriniya, Salsaradi and NyagrodhadiGanas are mentioned which are useful polyuria. Drugs in these groups like Gambu,Amra, and Panchavalkal drug like (Vat, Plaksh, Ashwatha, Udumbar,Parisha) possessing kashay rasa , sheet veerya (cold potency) Ruskha and Laghuguna and katuvipak all drugs having kaphahara property.

Introduction:

Diabetes mellitus is a common and very prevalent disease, affecting about 25% of world population. India has largest diabetic population in the world with an estimated 41 million people amounting to 6% of the adult population: polyuria is one of the symptoms of undiagnosed diabetes, Polyuria can also occur in people with diagnosed diabetes if increased blood glucose level. In such condition many herbs are used some of which act directly on the urinary system and some act help by maintaining the normal functioning of the system.

For better understanding of the drugs that are used for Bahumutrata they can begrouped as MutrasangraheeyaDravyas, Nyagrodhadi and SaalaradiGanas.

Material and Method:

Compilation and tabulation of Mutrasangraheeya herbs were done from Ganas of CharakaSamhita,SushrutaSamhita, AstangaSangraha Rasa (taste), Guna (Quality), Veerya (Potency) Vipaka (Drug Metabolism) Action of Doshas and useful part of the herbs were compiled from BhavprakashNighantu and textbook of Dravyaguna. Which is tabulated .

Literature of Review:

Charaka has given singleMutrasangraheeyaGanaincluding 10 drugs while Sushrutaand Vagbhatahave mentioned 2 and 1 Ganas respectively. Totally 38 different herbs have been enlisted from these various group. Rasa and Anurasa of drugs have been enlisted. Kashay Rasa is seen in 25 herbs. Katu Rasa in 4, Tikta in 10, Amla in one.Herbs with proven Blood sugar lowering actionand it act as anti-diuretics reported by different research modelsare also tabulated.

Ganas According to Bruhatrai

Name of Ganas	C.S.	S.S.	A.S.V.
Mutrasangrahaniya Gana	+	-	-
Shalasaradi Gana	-	+	-
Nyagrodhid Gana	-	+	+

Name Latin Name	Rasa	Guna	Vipak	Veerya	Doshagnata
Vata Ficus Bengalensis Linn	Kashay	Guru, Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Udumber Ficus Glomerata Roxb.	Kashay	Guru, Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Ashwstha Ficus Religiosa Linn.	Kashay	Guru, Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Plaksha Ficus Lacor Buch-Ham.	Kashay	Guru, Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Shal Shorea Robusta Gaertn.	Kashay	Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Sarja VateriaIndica Linn.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Tinish Ougenia Oojeinensis (Roxb.)	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Ashmantaka Ficus Rumphii Blume 	Kashay	Laghu Ruksha	Katu	Sheeta 	Kapha, Pitta, Shamak
Dhav Anogeissus Latifolia, Wall	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Arma MangiferaIndica Linn.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Jambu Syzygium Cumini Linn.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Kapeetan Thespesia Populnea Soland Ex correa.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Chandan Santalum Album Linn.	TiktaMad hur	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Raktachanda Pterocarpus Santalinus Linn.	TiktaMad hur	Guru Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak

Agaru Aquilaria Agallocha Roxb.	KatuTikta	Laghu Ruksha	Katu	Ushana	Kapha, Vata, Shamak
Ashwkarna Dipterocarpus Turbinatus Gaertn F.	KatuTikta	Laghu Ruksha	Katu	Ushana	Kapha, Vata, Shamak
Kramuk (Puga) Areca Catechu Linn.	KashayM adhur	Guru Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Shinshapaa Dalbergia Sissoo Roxb.	KashayKa tuTikta	Laghu Ruksha	Katu	Ushana	TridoshaShama k
Madhuk MadhucalIndica J.F. Gmel.	MadhurK ashay	Guru Snigdha	Madh ur	Sheeta	Vata, Pitta, Shamak
Tinduk Diospyros Peregrina (Gaertn)	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Priyal Buchanania Lanzan Spreng	Madhur	Guru Snigdha	Madh ur	Sheeta	Vata, Pitta, Shamak
Arjun Terminlia Arjuna Roxb.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Yashtimadhu Glycyrrhiza Glabralinn.	Madhur	Guru Snigdha	Madh ur	Sheeta	Vata, Pitta, Shamak
Palash Butea Monosperma (Lam Kuntze)	KashayKa tuTikta	Laghu Ruksha	Katu	Ushana	Kapha, Vata, Shamak
Lodhra Symplocos Recemosa Roxb.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Vata, Shamak
Naktamaal Pongamia Pinnata Pierre.	KashayKa tuTikta	Laghu Tikshna	Katu	Ushana	Kapha, Vata, Shamak
Koshamra Schleichera Oleosa (Lour) Oken.	Amla	Guru	Katu	Ushana	Kapha, Pitta, Shamak
Asan PterocarpusMarsupium Roxb.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Shak TectonaGrandis Linn.	Kashay	Laghu Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Kadamb AnthocephatusIndicus Miq.	KashayTik ta	Ruksha	Katu	Sheeta	Kapha, Pitta, Shamak
Bhallataka SemieearpusAnacardium Linn.	KashayKa tuTikta	LaghuTikshna Snigdha	Madh ur	Ushana	Kapha, Vata, Shamak
Vetas Salix Caprea Linn.	KashayTik ta	Laghu	Katu	Sheeta	Kapha, Pitta, Shamak

Meshashrunji Gymnema Sylvestre R.Br.	KashayTik ta	LaghuRuksha	Katu	Ushana	Kapha, Vata, Shamak
Tinish OugeniaOojeinensis (Roxb.)	Kashay	LaghuRuksha	Katu	Sheeta	Kapha, Pitta, Shamak
Bhurja Betula UtilisD.Don.	Kashay	Laghu	Katu	Ushana	Kapha, Vata, Shamak

Discussion:

According to Ayurveda pathogenesis (Samprapti) of Prameh the Kapha gets vitiated and takes Ashraya in Basti. The Kleda, Meda, Mansa, Rasa are vitiated by this already vitiated Kapha. According to Brahatray some drugs are help in management of excess MutraPravrutti rather than the altering the normal quantity. Those drugs are utilized in kledaPradhanVyadhilike Prameh. Most of them are Kashay Rasa Pradhan, KatuVipaka and Laghu, RukshaGuna. Kashay, Tikta, KatuRasas dose the absorption (Shoshan) of liquefied or detoxified Kapha. According to modern science most of water absorb in distal tubules and collecting duct. In hyperglycemic condition there is thickening of basement membrane of distal tubules and collecting duct. Due to accumulation of glycosylation, sorbitol and fructose leading the cell damage by disturbing intermediary metabolism. In this pathological condition these drugs help to control blood glucose level and improve the function of collecting ducts as well as control urination. The relationship of polyuria (Bahumutrata) well established in the pathogenesis of Prameh. Many of herbs mentioned in MutrasangrahaneeyaGanas possess anti diuretic as well as hypoglycemic properties.

Conclusion:

Drugs mentioned in each Ganas which have been already proved multifaceted pharmacological properties by recent researches. This observation is useful for designing new formulation to treat Hyperglycemia & polyuria.

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