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A Clinical Study to Evaluate the Efficacy of *Guduchyadi Yog*in The Management of *Sthoulya* W.S.R.T. Obesity- A Case Study

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Abstract:

Ayurveda is a science for both healthy as well as diseased person and it deals with prevention as well as cure of diseases. In ayurveda Sthoulya^{[1][2]}has been describes since very early days in various Samhita, Sangraha Granth, Nighantu etc. in pathogenesis of Sthoulya Kapha Vata and Meda Dhatu are main responsible factors. There is vitiation of MedaDhatvagniPoshakanshadue to which MedaDhatavagniunable to function properly. KaphaVruddhikaraAhar, Adhyashan, Avyayam, Diwaswapetc are the causative factors. According to modern science obesity ^[3] characterized by enlargement of fat cells in its size or an increase in number or both leads to abnormal growth of Adipose Tissue. Fat is extensively accumulated under the skin and around certain organs such as belly, buttocks, breasts, thighs etc.

In present study, a patient was diagnosed with Sthoulya but without any complications and given GuduchyadiYog containing Dravyas like Guduchi^[4], Musta^[5], Vidang^[6], Haridra^[7], Triphala^{[8][9][10]} and Madhu^[11]as Anupanain the form of choornaas internally and Udvartana^[12]therapy externally for next 3 months, results were very remarkable subjectively as well as objectively.

Key words - Obesity, Sthoulya, GuduchyadiYog, Udvartana

Introduction:

besity is one of the major lifestyle disorders. It is a state of excess Adipose Tissue Mass, often viewed as increased body weight. The most widely used method to measure obesity is Body Mass Index (BMI), which is equal to weight / height² (in kg/m²). Studies suggest that all metabolic, cancer and cardiovascular morbidity begins to rise when BMI is \geq 25kg/m². A BMI between 25 to 30 should be viewed as medically significant and worthy of therapeutic intervention, especially in presence of risk factors such as hypertension and glucose intolerance. The prevalence of obesity in India varies due to age, gender, geographical environment, socio economic status etc. According to ICMR-INDIAB study 2015, prevalence rate [13] of obesity and central obesity varies from 11.8% to 31.3% respectively. The increasing prevalence of medically significant obesity raises great concern. Various studies shows that

prevalence of obesity is higher in women than men. Also, prevalence is increasing in children at worrisome rate.

In Ayurveda, obesity can be correlated with SthoulyaVyadhi defined by Charak. He explained Sthoulya under AshotoninditiyaVyadhies. Sthoulya is referredin various ayurvedic Samhita like Charak, Sushruta, Vagbhata and Bhavprakash. In ayurveda Sthoulyais defined as a condition in which DushtaMedaand Mamsa Dhatu increases than their normal Pramanacausing increased abdomen, chest and buttocksgirth i.e., Chalasfikudarstana lethargy i.e., Nirutstah. Sthoulyain Ayurveda is characterised by Daurbalya, Atisweda, Daurgandha, AtitrushnaandAtikshudha. In this case patient was treated with GuduchyadiYogwhich contents Guduchi, Musta, Vidang, Haridra, Triphala and Madhuas anupanain the form of choornaas internally and *Udvartana*therapy. *Udvaratana*is a procedure where powdered medications are rubbed over the body in a

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VOL- X ISSUE- III MARCH 2023 PEER REVIEW IMPACT FACTOR ISSN e-JOURNAL 7.367 2349-638x

direction opposite to hair growth. This procedure is *KaphaMedahar*, so works significantly in *Sthoulya*.

Material:

A 35yrs old female patient came to OPD with complaints of -

- 1. BhaarVruddhi(Weight gain)
- 2. *Atikshudha*(Excessive hunger)
- 3. Atisweda (Excessive perspiration)
- 4. Alasya(Lethargy)
- 5. *Atinidra*(Excessive sleep)

Patient was complaining all above symptoms from 1 year.

Past History:

Patient did not have any history of Hypertension / Diabetes Mellitus / Hypothyroidism / PCOD / Asthma / Epilepsy/ Ischemic heart disease / Tuberculosis

- No history of any major surgical illness.
- No history of any addiction like alcohol / smoking / tobacco
- N/H/O Typhoid / Chickenguniya / Dengue / Jaundice

General Examination:

The general condition of patient was fair and afebrile.

Pulse - 72/min

Blood pressure - 120/70 mm of hg

Respiratory rate -20/min

Weight – 76 kg

Height - 1.58 m

 $BMI - 30.4 \text{ kg/m}^2$

Waist Hip Ratio – 0.89

Jivha – Sama

Prakruti-Kapha predominant

Systemic Examination:

In the systemic examination, findings of respiratory and cardiovascular system within normal limits. Abdomen was mildly distended; non tender and bowel sounds were present. Patient was conscious and well oriented and pupillary reaction to light was normal.

Management: Patient was treated with *GuduchyadiYog*in the form of *choorna*as internally and *Udvartana*therapy for 3 months.

Drug of Study: GuduchyadiYog

Ingredient of GuduchyadiYog: Guduchi, Musta,

Vidang, Haridra, Triphala

Sr	Drug	Quantity
no		
1	Guduchichoorna	3GM
2	Triphalachoorna	3GM
3	Mustachoorna	2GM
4	Vidangchoorna	1GM
5	Haridrachoorna	1GM

For Internal Administration:

Anupana : Madhu

Aushadhi Sewan Kaal: Abhakta (i.e., on empty stomach in morning) and Pragbhakta Kala at evening.

Dose: 10 gm in divided dosage i.e. (5gm each)

For External Administration:

Udvaratanatherapy:i.e., Guduchyadi Yog rubbed over the body in a direction opposite to hair growth once in a day in the morning for 20 mins.

PathyaApathya: Patient was advised brisk walking daily. And also advised to avoid junk, sweet food and stress.

Duration - Two months for *Choornasevan* and *Udvartana*

Follow up - Clinically patient was screened before and follow up after every 1 month for three months.

Criteria of Assessment:

A) Subjective criteria –

1) Atikshudha

Grade 0 – Hunger after 6 hours

Grade 1 – After 5-6 hours

Grade 2 – After 4 hours

Grade 3 – Irritable desire within 3 hours

2) Atisweda

Grade 0 – Swearing after heavy work and fast movement in hot season

Grade 1 – Profuse sweating in moderate work

Grade 2 – Profuse sweating with little work and movement

Grade 3 –Sweating at rest or in cold season

3) Alasva-

Grade 0 - No *Alasya*(doing work satisfactorily with proper vigour in time)

Grade 1 - Doing work with satisfactorily with late initiation

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VOL- X ISSUE- III MARCH 2023 PEER REVIEW IMPACT FACTOR ISSN e-JOURNAL 7.367 2349-638x

Grade 2 - Doing work with unsatisfactorily under mental pressure and takes time

Grade 3 - Does not take any initiation and not want to work even after pressure

4) Atinidra

Grade 0 – Normal sleep upto 6-7 hrs per day

Grade 1 – More than 8 hrs

Grade 2 – More than 8 hrs with *Angagagurav* and *Jrumbha* after sleep

Grade 3 – More than 10 hrs with *Tandra* and *Klama*

B) Objective Criteria

1) BMI (kg/m²)

Grade 0 - 18.5 - 24.9

Grade 1 - 25 - 29.9

Grade 2 - 30 - 34.9

Grade 3 - 35 - 39.9

2) Waist Hip Ratio (in female)

Grade 0 - < 0.85

Grade 1 - 0.85 - 0.87

Grade 2 - 0.88 - 0.90

Grade 3 -> 0.90

Observation & Results –

Case Report -

A) Subjective Criteria -

B)

Sr No	Lakshana	Before treatment	After 1 month	After 2 months	After 3 months
1	Atikshudha	++	++	++	+
2	Atisweda	++	++	+	+
3	Alasya	++	++	+	0
4	Atinidra	++	++	+	0

C) Objective Criteria –

Sr No	Parameter	Before treatment	After 1 month	After 2 months	After 3 months
1	BMI	++	++	+	+
2	Waist Hip Ratio	++	++	++	+

Sr No	Parameter	Before treatment	After 1 month	After 2 months	After 3 months
1	Weight (Kg)	76	73	71	69

Discussion:

According to Ayurveda Sthoulyais one of the diseases of vitiated Kapha dosha and Dushta Meda Dhatu which is characterised by Daurbalya, Atisweda, Daurgandha, Atitrushna and Atikshudha.. In Sharangdhar Samhita, several drugs have been mentioned for treatment of Shoulyain the form of Sevanaand Udvartana. Most of the contents of Guduchyadiyog having Katu, Tiktarasa, Ushna Tikshna Laghu Ruksha Guna Veerya, and Kaphashamaka properties. All these properties are effective against the vitiated Kapha Dosha and Med Dhatu. The Rukshaand Laghu Guna has the Shoshana and Langhana effect, which causes absorption and metabolization of Dushta Meda *Dhatu* accumulated in the body causing weight loss. The *Udvartana* therapy is effective for dissolution of dense fat at the abdomen, waist, hip and buttocks region causing toning of body and leanness.

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	Must a	Cyper us rotun dus	Tikta Katu Kash ay	Kat u	She et	Laghu, Ruksh a	Pittakap hashama ka	
	Vida ng	Embe liarib es	Katu	Kat u	Us hn a	Laghu, Ruksh aTiksh na	Kaphava tashama ka	

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Conclusion:

It has been concluded that *GuduchyadiYog* is very effective in *Shoulya*when ingested internally along with *Madhu* and *Udavartana*therapy externally. Patient improved Symptomatically.

References:

- Charak Samhita, Brahmanand Tripathi, Chaukhambha Surbharati Prakashan, Varanasi, Reprinted Edition 2014, Vol 1; Sutrasthana, Ashtouninditadhyay 21/04, Page 399.
- Ashtangsangraham by Dr Ranjitray Desai, Published by Baidyanath Ayurveda Bhavan, Nagpur, Fourth Edition, 1996; Sutrasthan, Dwividhopakramaniya Adhyay 24/22-46, Page 694-698.
- Harrison's Principles of Internal Medicine by Kasper, Braunwald, fauci, Hauser, Longo, Jameson, Published by McGraw Hill Medical Publishing Division, 16th Edition, Vol 1; Page 422-429.
- Dravyaguna Vidnyan by DR A P Deshpande, Dr R R Jawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 551-557.
- Dravyaguna Vidnyan by DR A P Deshpande, Dr R RJawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 674-677.

- Dravyaguna Vidnyan by Dr A P Deshpande, Dr R RJawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 806-808.
- Dravyaguna Vidnyan by Dr A P Deshpande, Dr R RJawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 563-567.
- 8. Dravyaguna Vidnyan by DR A P Deshpande, Dr R R Jawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 418-422.
- 9. Dravyaguna Vidnyan by DR A P Deshpande, Dr R R Jawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 468-477.
- Dravyaguna Vidnyan by DR A P Deshpande, Dr R RJawalgekar, Dr S Ranade, Published by Proficient Publishing House, Pune, Reprinted Edition, 2018; Page 482-484.
- 11. Bhavprakash Nighantu, Dr K C Chunekar, Published By Chaukhamba Bharati Academy, Varanasi, Reprinted Edition, 2002; Madhuvarga 1-22, Page 788-790.
- 12. Sarth Vagbhat, Dr Ganesh Krishna Garde, Published By Rajesh Publication, Pune; Sutrasthan, DincharyaAdhyay14, Page 8.
- 13. https://pubmed.ncbi.nlm.nih.gov/30641719/