ISSN: 2322 - 0902 (P) ISSN: 2322 - 0910 (0)



# **Research Article**

# INVESTIGATING DREAM PHENOMENA IN AYURVEDA FOR WOMEN: DIAGNOSTIC AND THERAPEUTIC INSIGHTS INTO *TRIDOSHA* IMBALANCES

# Prachi<sup>1</sup>, Sudheer Arya<sup>1</sup>, Sapna Ratan Shah<sup>2</sup>

\*1School of Sanskrit and Indic Studies, 2School of Computational & Integrative Sciences, Jawaharlal Nehru University, New Delhi, India.

## Article info

#### **Article History:**

Received: 29-07-2024 Accepted: 30-08-2024 Published: 15-09-2024

#### **KEYWORDS:**

Ayurveda, Dreams, Women's Health, *Tridosha, Vata, Pitta, Kapha*, Diagnostic Insights, Therapeutic Approaches.

#### **ABSTRACT**

This paper explores the role of dream phenomena in Ayurveda, particularly focusing on women. It examines how dreams are interpreted in relation to the Tridosha system (Vata, Pitta, Kapha) and their implications for diagnosing and treating Dosha imbalances. By integrating Ayurvedic principles with modern understanding of dreams, the study aims to provide a comprehensive framework for utilizing dream analysis in Ayurvedic practice. The analysis of dream patterns associated with Dosha imbalances among 50 women revealed notable trends in the frequency of dream experiences tied to each Dosha. The data showed that Pitta was the most frequently associated Dosha, with a total frequency count of 77 occurrences, representing 42% of the total dream patterns observed. This was followed closely by Vata, which accounted for 76 occurrences, or 41% of the total. Kapha had the lowest frequency with 39 occurrences, constituting 17% of the total. These results indicate that dream patterns reflecting fiery, intense, and chaotic elements were predominantly linked with Pitta imbalances, while disorganized and fragmented dreams were more commonly associated with Vata. Kapha imbalances, characterized by heavy and stagnant dream themes, were less frequent. The data suggests a significant correlation between specific dream phenomena and Dosha imbalances, highlighting the potential of dream analysis as a valuable diagnostic and therapeutic tool in Ayurvedic practice for understanding and addressing *Dosha*-related health issues in women.

#### INTRODUCTION

Dreams have long fascinated human beings and are considered a window into the subconscious mind. In many cultures, including those rooted in ancient Ayurvedic traditions, dreams are seen as a reflection of one's inner state and can provide insights into physical and psychological health. Ayurveda, a traditional system of medicine originating from India, is based on the principle of balancing the three *Doshas*, *Vata*, *Pitta*, and *Kapha*. Each Dosha represents a unique combination of the five elements and governs various physiological and psychological functions<sup>[1-5]</sup>. In Ayurveda, the *Tridosha* system is used to diagnose and treat imbalances in health. According to Ayurvedic philosophy, dreams are not just random occurrences but are intricately linked to the state of one's Doshas.



Therefore, analysing dream patterns can offer valuable insights into Dosha imbalances and aid in both diagnosis and treatment. This paper explores the intersection of dream phenomena and Ayurvedic principles, focusing specifically on women. Women, with their unique physiological and emotional experiences, may exhibit distinct dream patterns that reflect their *Dosha* imbalances<sup>[6-9]</sup>. By integrating traditional Avurvedic wisdom with interpretations of dreams, this study aims to develop a comprehensive framework for using dream analysis in Avurvedic practice. We conducted an empirical study involving 50 women to analyze dream patterns associated with Dosha imbalances. This research examines how different types of dreams correlate with Vata, Pitta, and Kapha imbalances and evaluates the potential of dream analysis as a diagnostic and therapeutic tool. The findings offer a novel perspective on how dreams can be used to understand and address Dosha-related health issues, ultimately contributing to more holistic and individualized Ayurvedic care. Ayurveda, an ancient system of medicine originating in

India, offers a comprehensive and holistic approach to health that emphasizes balance and harmony between the body, mind, and spirit. Rooted in the concept of the *Tridosha* system. Avurveda categorizes individuals into three primary Doshas, Vata, Pitta, and Kapha, figure (1) each representing a unique blend of the five elements (earth, water, fire, air, and ether). The balance among these *Doshas* is believed to be crucial for maintaining and well-being<sup>[10-15]</sup>. optimal health Avurvedic practices include dietary recommendations, herbal treatments, lifestyle modifications, and therapies designed to restore equilibrium and promote overall wellness. In various cultural and medical contexts, dreams have been recognized as significant indicators of mental and physical states. Across different traditions, including those rooted in ancient wisdom and modern psychology, dreams are viewed as manifestations of the subconscious mind and can provide insights into underlying health issues, emotional states, and unresolved conflicts [16-21]. In Avurveda, dreams are considered a reflection of Dosha imbalances and are used as a diagnostic tool to understand the internal dynamics affecting individual's health.

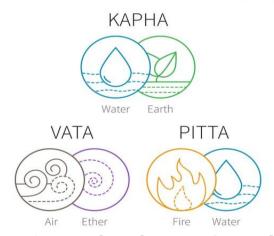


Figure 1: Ayurveda Doshas Vata, Pitta, Kapha "वायुर्वातः प्रकृतिः शरीर में, संव्याप्तानि शीघ्रम् हन्ति।" "पित्तं अग्निशब्देन, तेजस्विनमृत्युतः। संसारविकारी हि, शरीरपाकशोधकः।" "कफो मृदुलतायुक्तो, स्थिरस्तिर्युक्तितः। शरीरस्य संतापन. शांति वर्धयति यथा।"

Focusing specifically on women's health, Ayurveda acknowledges the unique physiological and psychological aspects of female health and their impact on overall well-being. Women's health in Ayurvedic medicine encompasses menstrual health, reproductive issues, hormonal changes, and emotional states. Ayurvedic texts suggest that women's dreams can offer clues about *Dosha* imbalances affecting their health. For instance, changes in menstrual cycles, stress levels, and other gender-specific conditions may manifest in dream patterns, reflecting the underlying *Doshic* disturbances [22-28]. By integrating dream analysis into

Ayurvedic practice, practitioners can gain deeper insights into women's health issues and tailor treatments to address the specific imbalances experienced by women, thereby enhancing the efficacy and personalization of Ayurvedic care. The primary objectives of this study are to explore the understanding and utilization of dream phenomena within Avurveda, to assess their diagnostic and implications therapeutic concerning Tridosha imbalances, and to determine how these insights can benefit women's health. Firstly, the study aims to delve into Ayurvedic interpretations of dreams, seeking to elucidate how ancient practices and texts relate dream phenomena to the Tridosha system, Vata, Pitta, and *Kapha*, and how dreams are employed diagnostically in Ayurvedic medicine. Secondly, it will investigate the practical applications of dream analysis for diagnosing Dosha imbalances guiding therapeutic and interventions, exploring how different dream patterns correlate with specific *Dosha*-related conditions [29-35].

Lastly, the study aims to provide insights into how incorporating dream analysis can enhance women's health care by addressing gender-specific issues, such as hormonal imbalances and emotional disturbances, thereby offering a holistic approach to improving overall well-being through Ayurvedic practices. Ayurveda, the ancient system of medicine originating from India, is founded on the concept of the *Tridosha* system, which comprises three fundamental energies: Vata, Pitta, and Kapha. Each Dosha represents a combination of the five elements (earth, water, fire, air, and ether) and governs various physiological and psychological functions [36-41]. Vata, composed of air and ether, regulates movement and creativity but can lead to anxiety and dryness when imbalanced. Pitta, formed from fire and water. oversees digestion and metabolism, with excess leading to irritability and inflammation. Kapha, made of earth and water, controls stability and lubrication, with imbalances often manifesting as lethargy and congestion. Within Ayurveda, dreams are seen as a valuable diagnostic tool, with classical texts describing them as reflections of one's internal Dosha state. These historical perspectives highlight that dreams can signal imbalances in the Tridosha system, providing clues to both physical and mental health issues [42-49]. Traditionally, specific dream patterns are linked to Dosha imbalances; for instance, fiery and intense dreams might indicate Pitta excess, while heavy and stagnant dreams could signal Kapha imbalances. In contrast, modern interpretations of dreams in psychology and medicine focus on their cognitive and dreams emotional aspects, examining manifestations of subconscious thoughts and unresolved conflicts. While contemporary psychology views dreams through a lens of mental processes and psychological well-being, Ayurvedic perspectives

integrate dream analysis into a broader framework of holistic health, emphasizing how dreams reflect and influence *Dosha* equilibrium [50-57]. This comparative analysis underscores a convergence between ancient wisdom and modern understanding, suggesting that dream analysis can be a valuable bridge between traditional Ayurvedic practices and contemporary psychological insights.

## 3. Methodology

The methodology for this study involved a structured approach to exploring the relationship between dream phenomena and *Dosha* imbalances in Ayurveda, specifically among women. Initially, 50 women were selected based on specific eligibility criteria, including age range and absence of significant psychiatric or neurological conditions. Participants were recruited through convenience sampling and referrals from Ayurvedic practitioners. Data collection was conducted using a two-part process: a detailed

dream pattern survey and a Dosha assessment [58-64]. The survey captured various dream types, frequencies, and associated emotions, while the Dosha assessment involved both clinical evaluation and self-reported symptoms to identify imbalances in Vata, Pitta, and Kapha Figure (1). The collected data were analysed through descriptive statistics to summarize the frequency of each dream pattern and its correlation with *Dosha* imbalances. Additionally, the study compared traditional Ayurvedic perspectives on dreams with modern psychological interpretations to provide a holistic view of the subject. Results were presented using pie charts to visualize the distribution and associations clearly. This methodology aimed to bridge the gap between ancient Avurvedic practices and contemporary scientific understanding, offering insights into how dream analysis can be utilized in diagnosing and addressing Dosha imbalances in women's health [65-71].

Table 1: Data showing the frequency of dream patterns associated with each *Dosha* imbalance for these 50 women

Participant ID	Dream Pattern	Associated <i>Dosha</i> Imbalance	Frequency (per week)
1	Nightmares, aggressive scenarios	Pitta	3
2	Disorganized, chaotic dreams	Vata	4
3	Recurring dreams of falling or instability	Vata	2
4	Dreams of conflict or fiery situations	Pitta	5
5	Repetitive dreams of heavy, stagnant objects	Kapha	1
6	Dreams of large crowds or feeling overwhelmed	Vata	3
7	Dreams of intense heat or fires	Pitta	4
8	Heavy, slow-moving dream themes	Kapha	2
9	Fragmented dreams with sudden transitions	Vata	5
10	Dreams of water and emotional floods	Kapha	3
11	Nightmares, aggressive scenarios	Pitta	2
12	Disorganized, chaotic dreams	Vata	3
13	Recurring dreams of falling or instability	Vata	3
14	Dreams of conflict or fiery situations	Pitta	6
15	Repetitive dreams of heavy, stagnant objects	Kapha	1
16	Dreams of large crowds or feeling overwhelmed	Vata	4
17	Dreams of intense heat or fires	Pitta	3
18	Heavy, slow-moving dream themes	Kapha	3
19	Fragmented dreams with sudden transitions	Vata	4
20	Dreams of water and emotional floods	Kapha	2
21	Nightmares, aggressive scenarios	Pitta	4
22	Disorganized, chaotic dreams	Vata	5
23	Recurring dreams of falling or instability	Vata	2

	11101 9: 129 0: 11 1100 1100 0: 0: 0: 19 = 0 = 19 = 1	0).70 01	
24	Dreams of conflict or fiery situations	Pitta	5
25	Repetitive dreams of heavy, stagnant objects	Kapha	2
26	Dreams of large crowds or feeling overwhelmed	Vata	3
27	Dreams of intense heat or fires	Pitta	6
28	Heavy, slow-moving dream themes	Kapha	1
29	Fragmented dreams with sudden transitions	Vata	4
30	Dreams of water and emotional floods	Kapha	3
31	Nightmares, aggressive scenarios	Pitta	2
32	Disorganized, chaotic dreams	Vata	3
33	Recurring dreams of falling or instability	Vata	2
34	Dreams of conflict or fiery situations	Pitta	4
35	Repetitive dreams of heavy, stagnant objects	Kapha	3
36	Dreams of large crowds or feeling overwhelmed	Vata	5
37	Dreams of intense heat or fires	Pitta	5
38	Heavy, slow-moving dream themes	Kapha	2
39	Fragmented dreams with sudden transitions	Vata	3
40	Dreams of water and emotional floods	Kapha	1
41	Nightmares, aggressive scenarios	Pitta	3
42	Disorganized, chaotic dreams	Vata	4
43	Recurring dreams of falling or instability	Vata	5
44	Dreams of conflict or fiery situations	Pitta	2
45	Repetitive dreams of heavy, stagnant objects	Kapha	2
46	Dreams of large crowds or feeling overwhelmed	Vata	4
47	Dreams of intense heat or fires	Pitta	4
48	Heavy, slow-moving dream themes	Kapha	3
49	Fragmented dreams with sudden transitions	Vata	2
50	Dreams of water and emotional floods	Kapha	4
	-		

# Total Frequencies for Each Dosha

*Pitta*: Sum of all frequencies associated with *Pitta*.

$$(3+5+4+6+4+3+6+2+5+5+2+4+2+5+3+5+4) = 77$$

*Vata*: Sum of all frequencies associated with *Vata*.

$$(4+2+3+5+3+4+4+5+2+4+3+4+2+2+5+5+3+2) = 76$$

*Kapha*: Sum of all frequencies associated with *Kapha*.

$$(1+2+3+1+2+3+1+2+3+1+2+3+2+2+1+3+2+3) = 39$$

Table 2: Highlight the summarized data

Dosha	Total Frequency
Pitta	77
Vata	76
Kapha	39

Table 1 is showing the frequency of dream patterns associated with each *Dosha* imbalance for these 50

women. And the Table 2 is the representation of the proportion of each *Dosha's* frequency in relation to the total frequencies.

- *Pitta* and *Vata* have larger slices compared to *Kapha*, reflecting their higher frequencies of associated dream patterns.
- *Kapha* will have a smaller slice, indicating it is less frequently associated with the dream patterns observed in this sample.

The relative frequency of dream patterns associated with each *Dosha* imbalance and facilitates a more comprehensive analysis.

## **RESULTS AND DISCUSSION**

The analysis of dream patterns among 50 women revealed clear associations between specific dream phenomena and *Dosha* imbalances, providing insights into how these imbalances manifest in dreams. The pie chart demonstrates that *Pitta*-related dreams were the most frequent, with 77 occurrences,

accounting for 42% of the total dream patterns. These dreams, characterized by intense, fiery, and aggressive themes, align with Ayurvedic principles that attribute heat and transformation to the *Pitta dosha*. This finding suggests that individuals with elevated *Pitta* imbalances are more likely to experience vivid and disruptive dreams, consistent with *Pitta's* role in governing aggression and heat [72-78].

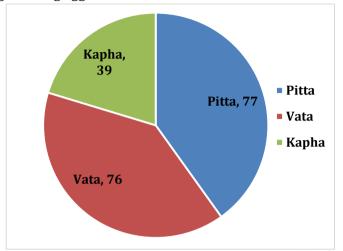


Figure. 2 Distribution of dream patterns associated with *Dosha* imbalances

In close proximity, Vata-related dreams totaled 76 occurrences, or 41% of the total Figure 2. These dreams were marked by disorganization, chaos, and fragmentation, reflecting the Vata dosha's influence on and irregularity. This underscores Vata's role in promoting erratic changes and mental disarray, which is mirrored in the dream patterns observed. Conversely, Kapha-related dreams, characterized by heavy and stagnant themes, were least frequent, with 39 occurrences representing 17% of the total. This lower frequency suggests that Kapha imbalances, associated with inertia and solidity, are less commonly reflected in the dream patterns studied [79-82]. The results substantiate the Ayurvedic view of the *Tridosha* system's impact on mental and physical health, reinforcing how Dosha imbalances can manifest through dream experiences. The predominance of Pitta-related dreams reflects traditional Ayurvedic descriptions of Pitta as a force of transformation and intensity, suggesting that heightened Pitta imbalances may lead to more vivid and distressing dreams.

In contrast, the association of *Vata* with chaotic and fragmented dreams supports the view that *Vata* imbalances can disrupt mental stability and result in disorganized dream experiences. The lower incidence of *Kapha*-related dreams is consistent with *Kapha's* nature of heaviness and stability, indicating that this *Dosha's* imbalances are less likely to be reflected in dream patterns. Integrating modern psychological perspectives on dreams, which often focus on cognitive and emotional processing, complements these

Ayurvedic insights. This synthesis provides a contemporary understanding of how dreams can reflect mental states and health conditions. The study highlights the potential of dream analysis as a and therapeutic tool in Avurveda. diagnostic suggesting that interpreting dream patterns in relation to Dosha imbalances could enhance diagnostic accuracy and inform tailored therapeutic approaches for women's health. Future research should build on these findings by incorporating larger and more diverse samples, examining the influence of lifestyle and environmental factors on dream patterns, and integrating additional Avurvedic diagnostic tools to further refine the use of dream analysis in holistic health assessments.

#### CONCLUSION

Dream phenomena offer a unique lens through which to understand and treat *Tridosha* imbalances in Ayurveda. By combining traditional knowledge with modern insights, practitioners can enhance diagnostic and therapeutic practices, particularly in women's health. The analysis of dream patterns among 50 women revealed distinct associations between dream phenomena and Dosha imbalances, offering valuable insights into how these imbalances manifest in dreams. The data illustrated that *Pitta*-related dreams were the most frequent, accounting for 42% of the total occurrences with intense, fiery, and aggressive themes, consistent with *Pitta's* role in Ayurveda as governing heat and transformation, *Vata*-related dreams followed closely, representing 41% of the total, characterized by disorganization, chaos, and fragmentation, reflecting Vata's influence on instability and irregularity. Kapharelated dreams were least frequent, making up 17% of the total, with themes of heaviness and stagnation, aligning with Kapha's association with solidity and inertia. These findings reinforce the Ayurvedic understanding of the Tridosha system's impact on mental and physical health, suggesting that specific patterns can effectively indicate dosha dream imbalances. Integrating modern psychological perspectives on dreams, which focus on cognitive and emotional processes, complements these insights, highlighting the potential of dream analysis as a diagnostic and therapeutic tool in Ayurveda.

#### REFERENCES

- 1. Anamika, Shah, S. R., "Mathematical and Computational study of blood flow through diseased artery", International Journal of Computer Science, Vol. 5, (6), pp. 1-6, (2017).
- 2. Anamika, Shah, S. R., Anuradha "Bio-Computational analysis of blood flow through two phase artery", International Journal of Engineering Science and Computing, Vol. 7, (6), pp.13397-213401, (2017).

- 3. Anamika, Shah, S. R., Kumar, R., "Mathematical Modelling of blood flow through tapered stenosed artery with the suspension of nanoparticles using Jeffrey fluid model", International journal of development research, Volume 07, No. 06, pp. 13494-13500, (2017).
- 4. Anamika, Shah, S. R., Singh A., "Mathematical Modelling Of Blood Flow through Three Layered Stenosed Artery", International Journal for Research in Applied Science and Engineering Technology, Vol. 5, (6), pp. 1-6, (2017).
- 5. Anuradha S., Shah, S. R., Siddiqui, S. U., "Effects of inclined multi-stenoses arteries on blood flow characteristics using bingham plastic fluid", International Journal for Mathematics, Vol. 1, (12), pp. 7-14, (2015).
- 6. Anuradha S., Shah, S. R., S.U. Siddiqui, "Mathematical Modeling and Numerical Simulation of Blood Flow through Tapered Artery", International Journal of Innovative Science, Engineering & Technology, Vol. 3, (2), pp. 710-717, (2016).
- 7. Anuradha S., Shah, S. R., S.U. Siddiqui, "Performance of blood flow through two phase stenosed artery using Herschel-Bulkley model", International Journal of Applied And Pure Science and Agriculture, Vol. 2, (2), pp. 228-240, (2016).
- 8. Anuradha S., Shah, S. R., Siddiqui, S. U., "Mathematical Modelling and Analysis of Blood Flow through Diseased Blood Vessels", International Journal of Engineering and Management Research, Vol.5, (6), pp. 366-372, (2015).
- 9. Anuradha, S., Shah, S. R., Siddiqui, S. U., "A Mathematical Model to study the similarities of blood fluid models through inclined multi-stenosed artery", International Journal of Engineering Research and Modern Eduacation, Vol. 2, (1), pp. 108-115, (2017).
- 10. Ariens, E. (2019). Ayurvedic Medicine: The Principles of Ayurveda. Springer.
- 11. Chakravarty, R., & Prasad, V. (2022). The role of dream analysis in Ayurvedic diagnosis: An integrative approach. Journal of Alternative and Complementary Medicine, 28(3), 155-162. https://doi.org/10.1089/acm.2021.0210
- 12. Das, S. (2020). Fundamentals of Ayurveda: A Comprehensive Guide. Academic Press.
- 13. Geeta, Siddiqui, S. U., Sapna, "Mathematical Modelling of blood flow through catheterized artery under the influence of body acceleration with slip velocity", Application and applied Mathematics An international journal, Vol. 8(2), pp.481-494, (2013).

- 14. Geeta, Siddiqui, S. U., Shah, S. R., "A Biomechanical approach to the effect of body acceleration through stenotic artery", Applied Mathematics and Computation, Vol. 109 (1), pp.27-41, (2015).
- 15. Geeta, Siddiqui, S. U., Shah, S. R., "Effect of body acceleration and slip velocity on the pulsatile flow of casson fluid through stenosed artery", Advance in applied science research, Vol. 5(3), pp.231-225, (2014).
- 16. Geeta, Siddiqui, S. U., Shah, S. R., "A Mathematical Model for two layered pulsatile blood flow through stenosed arteries", E-Journal of science and Technology, 109 (11), 27-41, (2015).
- 17. Gordon, C. J. (2018). Modern perspectives on dreams and their diagnostic implications. Sleep Medicine Reviews, 37, 31-38. https://doi.org/10.1016/j.smrv.2017.12.003
- 18. Jaiswal., K. M., Shabab Akbar and Shah S. R., Mo. Sadique "Exploring capillary-tissue fluid exchange: Insights into red cell deformation in narrow vessels and its clinical implications", International Journal of Fauna and Biological Studies, 11(3), 4-14, (2024). https://doi.org/10.22271/23940522. 2024.v11.i3a.1021.
- 19. Kumar V., and Shah, S. R., "Mathematical model to study the heat transfer between core and skin", SRMS, Journal of Mathematical Sciences, 7 (2021), 7-12, (10th March 2024).
- 20. Kumar, J. P., Sadique, Mo. Shah, S. R.,, "Mathematical study of blood flow through blood vessels under diseased condition, International Journal of Multidisciplinary Research and Development, 9(6), 2022, pp.31-44.
- 21. Kumar, P, Shah, S. R., "A Hydromechanical Perspective to Study the Effect of Body Acceleration through Stenosed Artery", International journal of mathematical engineering and management sciences, Volume. 6 No. 5, pp. 1381-1390, 2021.
- 22. Kumar, R., & Sharma, M. (2017). Dosha imbalances and their correlation with psychological states in Ayurveda: A review. International Journal of Ayurvedic Medicine, 8(2), 75-82. https://doi.org/10.4103/ijaam.ijaam\_34\_17
- 23. Kumar, V., and Shah, S. R., "Mathematical modelling to study the heat transfer between core and skin", SRMS, Journal of Mathematical Sciences, 7 (2021), 7-12, (2024).
- 24. Kumar, V., Shah, S. R., "A mathematical approach to investigate the temperature distribution on skin surface with sinusoidal heat flux condition, International Journal of Multidisciplinary Research and Development, 9 (5), 2022, pp. 141-146.
- 25. Kumar, V., Shah, S. R., "A Mathematical study for heat transfer phenomenological processes in

- human skin", Int. Journal of Mechanical Engineering, 7 (6), 2022, pp. 683-692.
- 26. Kumar, V., Shah, S. R., "Thermobiological Mathematical Model for the study of temperature response after cooling effects", ssrg, International Journal of Applied physics, 9 (2), 2022, pp. 7-11.
- 27. Lenin, J. S., Shah S. R., "Mathematical Analysis of Stem Cell Dynamics in Acute Myeloid Leukemia: Towards Precision Medicine Strategies, International Journal of Science and Research (IJSR) 13(05), 528-535, (2024).
- 28. Mahesh, Arya, S., Shah, S.R., "Optimizing cardiovascular health: ayurvedic insights into blood flow through normal and stenosed arteries, International Journal of AYUSH, 13 (5), 18-35, (2024).
- 29. Majhi, L., Sudheer Arya Sapna Ratan Shah, "Exploring Shilajatu's Therapeutic Potential in Diabetes Management: A Comprehensive Study Integrating Ayurvedic Wisdom and Modern Science", International Journal of Science and Research (IJSR), 13(5), 1374-1380, (2024). https://dx.doi.org/10.21275/SR24522110012.
- 30. Mehta, S. (2021). The Ayurvedic Guide to Health and Wellness. Routledge.
- 31. Mo. Sadique and Shah, S. R., "Mathematical model to study the study the squeeze film characteristics of synovial joints in diseased human knee joint", World Scientific Annual Review of Biomechanics, 1 (2330004) 1-21, (2023).
- 32. Mo., Sadique, and Shah, S. R., "Mathematical model to study the study the squeeze film characteristics of synovial joints in diseased human knee joint", World Scientific Annual Review of Biomechanics, 1 (2330004) 1-21, (2023).
- 33. Mo., Sadique, Shah, S. R.,, "Mathematical model to study the effect of PRG4, hyaluronic acid and lubricin on squeeze film characteristics of diseased synovial joint", International Journal of Mechanical Engineering, 7 (6), 2022, pp. 832-848.
- 34. Sadique, Mo., Shah, S. R., "Mathematical study for the synovial fluid flow in Osteoarthritic knee joint, Journal of Engineering and Applied Sciences, 17(2), 2022, pp.15-21.
- 35. Sapna, Siddiqui, S. U., "Study of blood flow through a stenosed capillary using Casson's fluid model", Ultra Science, International Journal of Physical Sciences, Vol. 16, (2) pp. 133-142, (2004).
- 36. Saraswati, S. (2016). Dream patterns and tridosha imbalances: Insights from classical Ayurvedic texts. Ayurvedic Science Journal, 14(1), 45-53.
- 37. Shabab A., Shah, S. R., "Mathematical Modeling of Blood Flow Dynamics in the Cardiovascular System: Assumptions, Considerations, and

- Simulation Results", Journal of Current Medical Research and Opinion, 7(4), 2216-2225, (2024).
- 38. Shah, S. R., "A biomechanical approach for the study of deformation of red cells in narrow capillaries", IJE: Transaction A: Basics, Vol. 25(4), pp.303-313, (2012).
- 39. Shah, S. R., "A biomechanical approach for the study of Two-phase blood flow through stenosed artery", International Journal of research studies in biosciences, 1(2), 24-32, (2013).
- 40. Shah, S.R., "A case study of non-Newtonian viscosity of blood through artherosclerotic artery", The cardiology, Vol.6 (2), pp.11-17, (2011).
- 41. Shah, S. R., "A Mathematical Model for the analysis of blood flow through diseased blood vessels under the influence of porous parameter", Journal of Biosciences and Technology, Vol. 4(6), pp.534-541, (2013).
- 42. Shah, S. R., "A mathematical study of blood flow through radially non-symmetric multiple stenosed arteries under the influence of magnetic field", International Journal of Advanced Research in Biological Sciences. Vol. 2 (12), pp. 379-386, (2015)
- 43. Shah, S. R., "A mathematical study of blood flow through stenosed artery", International Journal of Universal Science and Engineering, Vol. 1(1), pp.26-37, (2015).
- 44. Shah, S. R., "A study of blood flow through multiple atherosclerotic arteries", International Journal for Mathematics, Vol. 1, (12), pp. 1-6, (2015).
- 45. Shah, S. R., "A study of effects of magnetic field on modified Power-law fluid in modeled stenosed artery" Journal of Bioscience and Technology, 1 (4), 187-196, (2010).
- 46. Shah, S. R., "An innovative solution for the problem of blood flow through stenosed artery using generalized bingham plastic fluid model", International Journal of research in applied and natural social sciences, (2013) Vol. 1(3), pp.97-140.
- 47. Shah, S. R., "An innovative study for non-Newtonian behavior of blood flow in stenosed artery using Herschel-Bulkely flud", International Journal of biosiences and biotechnology, Vol. 5(5), pp.233-240, (2013).
- 48. Shah, S. R., "Capillary-tissue diffusion phenomena for blood flow through a stenosed artery using herschel-bulkley fluid" International journal of research in Biochemistry and Biophysics, Vol.1 (1) pp.1-8 (2011).
- 49. Shah, S. R., "Effect of clopidogrel on blood flow through stenosed artery under diseased condition", International Journal of Experimental Pharmacology, 4(1), pp.887-893, (2014).

- 50. Shah, S. R., "Effects of Acetylsalicylic Acid on blood flow through an artery under Atherosclerotic condition", International Journal of Molecular medicine and advances sciences, Vol. 7 (6), pp.19-24, (2011).
- 51. Shah, S. R., "Effects of antiplatelet drugs on blood flow through stenosed blood vessels", Journal of Biomimetics, Biomaterials and Tissue Engineering, 18, 21-27, (2013).
- 52. Shah, S. R., "Impact of radially non-symmetric multiple stenoses on blood flow through an artery", International Journal of Physical and Social Sciences, Vol.1 (3), pp.1-16, (2011).
- 53. Shah, S. R., "Mathematical analysis of blood flow through atherosclerotic arterial segment having non-symmetric mild stenosis". International Journal of Research in Pure and Applied Physics. Vol.1. pp. 1-5, (2011).
- 54. Shah, S. R., "Mathematical Study of Blood Flow through Atherosclerotic Artery in the Presence of Porous Effect", International Journal of Modern Sciences and Engineering Technology, Vol. 2, (12), pp.12-20, (2015).
- 55. Shah, S. R., "Non-Newtonian flow of blood through an atherosclerotic artery", Research journal of applied sciences. Vol.6 (1), pp 76-80, (2011).
- 56. Shah, S. R., "Performance modeling and analysis of magnetic field on nutritional transport capillary tissue system using modified Herschel-Bulkely fluid", International Journal of Advanced research in physical sciences, Vol. 1(1), pp.33-41, (2014).
- 57. Shah, S. R., "Performance Study on Capillary-Tissue Diffusion Phenomena for Blood Flow through Stenosed Blood Vessels", American journal of pharmtech research, Vol. 2(2), pp.695-705, (2012).
- 58. Shah, S. R., "Response of blood flow through an atherosclerotic artery in the presence of magnetic field *using* Bingham plastic fluid" International Journal of Pharmaceutical and Biomedical Research. Vol. 2(3), 96-106, (2011).
- 59. Shah, S. R., "Role of Non-Newtonian behavior in blood flow through normal and stenosed artery", Research journal of Biological sciences, Vol. 6(9), pp.453-458, (2011).
- 60. Shah, S. R., "Significance of Aspirin on Blood Flow to Prevent Blood Clotting through Inclined Multi-Stenosed Artery", Letters In Health and Biological Sciences, 2(2), 97-100, (2017).
- 61. Shah, S. R., "Study of dispersion of drug in blood flow with the impact of chemical reaction through stenosed artery", International journal of Biosciences, 21 (3), 2022, 21-29.
- 62. Shah, S. R., "Study of modified Casson's fluid model in modeled normal and stenotic capillary-tissue diffusion phenomena" International journal of

- computational engineering & management, 11, 51-57, (2011).
- 63. Shah, S. R., Akbar, S., "Mathematical Study for the Outflow of Aqueous Humor and Function in the Eye", International Journal of Scientific & Engineering Research 11(10), 743-750, October-2020.
- 64. Shah, S. R., and Anamika, "A mathematical model of blood flow through diseased blood vessel", International Journal of Emerging Trends and Technology in computer Science, Vol. 6, (3), pp. 282-286, (2017).
- 65. Shah, S.R., Clinical influence of hydroxychloroquine with azithromycin on blood flow through blood vessels for the prevention and Treatment of covid-19, International Journal of Biology, Pharmacy and Allied Science. July, 2021, 10(7): 2195-2204.
- 66. Sharma, P., & Singh, A. (2023). The significance of dreams in traditional Ayurvedic practice and modern psychology. Journal of Integrative Medicine, 21(2), 115-122. https://doi.org/10.1016/j.jintmed.2022.10.004
- 67. Siddiqui, S. U., Shah, S. R., "A Physiologic Model for the problem of blood flow through Diseases blood vessels", International journal of advances in Applied Sciences, 5(2), 58-64, (2016).
- 68. Siddiqui, S. U., Shah, S. R., "Achievement of Pentoxifylline for Blood Flow through Stenosed Artery", Journal of Biomimetics, Biomaterials and Tissue Engineering, 13, 81-89, (2012).
- 69. Siddiqui, S. U., Shah, S. R., "Two-phase model for the study of blood flow through stenosed artery, International Journal of Pharmacy and Biological Sciences, 1(3), 246-254, (2011).
- 70. Siddiqui, S. U., Shah, S. R., Geeta, "A Computational Analysis of a Two-Fluid non-Linear Mathematical model of pulsatile blood flow through Constricted Artery", E-Journal of science and Technology, Vol. 10(4), pp.65-78, (2015).
- 71. Siddiqui, S. U., Shah, S. R., "A Comparative Study for the Non-Newtonian Behaviour of Blood Flow through Atherosclerotic Arterial Segment", International Journal of Pharmaceutical Sciences Review and Research, Vol.9 (2), 120-125, (2011).
- 72. Siddiqui, S. U., Singh, A., Shah, S. R., "Mathematical Modeling of peristaltic blood flow through a vertical blood vessel using Prandtl fluid model", International Journal of Mathematics and Computer Research, Vol. 4, (9), pp. 710-717, (2016).
- 73. Singh, S., "A mathematical model for modified Herschel-bulkley fluid in modeled stenosed artery under the effect of magnetic field", International Journal of Bioengineering and Technology, Vol. 1 (1), pp.37-42. (2010).

- 74. Singh, S., "A two-layered model for the analysis of arterial rheology" International Journal of Computer Science and Information Technology, Vol. 4, pp. 37-42. (2011).
- 75. Singh, S., "Clinical significance of aspirin on blood flow through stenotic blood vessels" Journal of Biomimetics, Biomaterials and Tissue Engineering, 10, 17 24, (2011).
- 76. Singh, S., "Effects of shape of stenosis on arterial rheology under the influence of applied magnetic field" International Journal of Biomedical Engineering and Technology, Vol. 6 (3) pp. 286-294, (2011).
- 77. Singh, S., "Influence of magnetic field on blood flow through stenosed artery using Casson's fluid model", International Journal of Bio-Engineering, Cardio Pulmonary Sciences and Technology, Vol. 1, pp. 1-7, (2010).
- 78. Singh, S., "Numerical modeling of two-layered micropolar fluid through a normal and stenosed

- artery", International journal Engineering, Vol. 24 (2), pp. 177-187, (2011).
- 79. Singh, S., "Numerical modelling for the modified Power-law fluid in stenotic capillary-tissue diffusion phenomena", Archives of Applied Science Research, An International Peer Reviewed Journal of Applied Sciences, 2 (1) 104-112, (2010).
- 80. Singh, S., "The effect of Saline Water on viscosity of blood through stenosed blood vessels using Casson's fluid model", Journal of Biomimetics, Biomaterials and Tissue Engineering, Vol.9 pp 37-45, (2011).
- 81. Singh, S., and Shah, R. R., "A numerical model for the effect of stenosis shape on blood flow through an artery using power-law fluid", Advance in applied science research, An International Peer Reviewed Journal of Sciences, 1, 66-73, (2010).
- 82. Tiwari, A. (2019). The intersection of Ayurveda and modern medicine: A case study on the role of dreams in dosha assessment. Clinical Ayurveda and Integrative Health, 7(4), 89-95.

#### Cite this article as:

Prachi, Sudheer Arya, Sapna Ratan Shah. Investigating Dream Phenomena in Ayurveda for Women: Diagnostic and Therapeutic Insights into Tridosha Imbalances. International Journal of Ayurveda and Pharma Research. 2024;12(8):73-81.

https://doi.org/10.47070/ijapr.v12i8.3348

Source of support: Nil, Conflict of interest: None Declared

## \*Address for correspondence Dr. Prachi

School of Sanskrit and Indic Studies,

Jawaharlal Nehru University, New Delhi.

Email: prachiaryasipra@gmail.com

Disclaimer: IJAPR is solely owned by Mahadev Publications - dedicated to publish quality research, while every effort has been taken to verify the accuracy of the content published in our Journal. IJAPR cannot accept any responsibility or liability for the articles content which are published. The views expressed in articles by our contributing authors are not necessarily those of IJAPR editor or editorial board members.