

Garbh Sanskar: Preparation of Motherhood

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ABSTRACT

This paper explores Garbh Sanskar, a practice that emphasizes nurturing the mother's physical, emotional, and spiritual well-being during pregnancy to positively influence fetal development. Garbh Sanskar incorporates various techniques, such as mantra chanting, yoga, and meditation, to create a conducive environment for the growing fetus. The practice aims to enhance the overall health and well-being of both the mother and the child. The article examines the concept of Garbh Sanskar and highlights its potential benefits for fetal development in the context of contemporary understanding and needs. It emphasizes the importance of redefining the significance of Garbh Sanskar in the present scenario.

Keywords: Prenatal Development, Garbh Sanskar, Pregnancy

The term "Garbh Sanskar" derives from the Sanskrit word "Garbh," which means "womb," and "Sanskar," which refers to the act of imprinting the fetus inside the mother's womb. The foundation of this concept is the notion that a child's mental and physical development starts while they are still inside their mother's body and can be influenced by a variety of stimuli, including the mother's thoughts, feelings, and behaviors. The ancient practice known as Garbh Sanskar has been practiced in India for a very long time. Garbh Sanskar is a holistic approach that emphasizes the significance of a mother's mental and emotional state throughout pregnancy to promote ideal fetal development and well-being for both the mother and baby, according to a review article in the *Journal of Ayurveda & Integrative Medicine* (Sharma et al., 2010).

The first mention of Garbh Sanskar dates back to the Vedic era, which got underway around 1500 BCE. The Vedas are a group of prehistoric writings that offer knowledge and insight into many facets of life, including pregnancy and childbirth. A lot of rituals and practices were observed to ensure the health and development of the fetus during Garbh Sanskar, which was once thought to be a crucial aspect of pregnancy. These practices included the recitation of mantras, the performance of particular yogic exercises, and the consumption of healthy and nutritious food (Sharma et al., 2010).

It is important to acknowledge that although the popularity of Garbh Sanskar is increasing, there is still a lack of substantial scientific evidence to substantiate its effectiveness.

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Received: May 22, 2023; Revision Received: July 18, 2023; Accepted: July 21, 2023

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Therefore, it is crucial to exercise caution when engaging in Garbh Sanskar practices and to consult with a qualified healthcare professional before making any significant alterations to your diet or exercise routine during pregnancy.

The Aim of Garbh Sanskar

Garbh Sanskar aimed to create a nurturing and positive environment for the physical, mental, and spiritual well-being of the fetus, based on principles from ancient texts and traditions. The belief was that the mother's thoughts, emotions, and actions had a profound impact on the developing child. Therefore, women were advised to maintain a calm and peaceful state during pregnancy and avoid negative emotions like anger, fear, and anxiety.

The principles of Garbh Sanskar were traditionally transmitted through the oral tradition across generations. However, with time, modern medical practices gained popularity, leading to a decline in the practice of Garbh Sanskar. The tradition of Garbh Sanskar was not solely centered on the expectant mother; it was also expected that the father and other family members would participate in different rituals and practices to ensure the well-being of the fetus. For instance, the father would chant mantras and perform certain rituals to safeguard the child from negative energies and invoke positive energies.

The Garbh Sanskar practice comprises a range of activities, rituals, and practices that aim to promote the physical, mental, and spiritual development of the fetus. These practices encompass reciting mantras, engaging in meditation and yoga, listening to music, reading spiritual texts, and following a particular diet.

REVIEW OF LITERATURE

Garbh Sanskar training, which includes practices such as meditation, yoga, and music therapy, has been studied for its potential benefits on pregnancy outcomes, maternal health, and infant development. A review article in the *Journal of Ayurveda and Integrative Medicine* by Choudhary et al. (2018) reported that several studies have suggested that Garbh Sanskar training can lead to enhanced maternal health, decreased stress levels, and better pregnancy outcomes. Furthermore, Rakhshani et al. (2012)'s study, which was published in the *International Journal of Yoga*, discovered that women who underwent Garbh Sanskar training had a lower risk of preterm labor and pregnancy-induced hypertension.

Additionally, a study by Dubey et al. (2013) that was published in the *Indian Journal of Traditional Knowledge* noted that numerous research studies had looked into the potential advantages of Garbh Sanskar practices, such as yoga and meditation, on fetal growth and development. The study found that **such practices can have a positive impact on fetal growth and development, reducing the likelihood of complications during pregnancy and improving overall maternal and fetal health.**

In a recent study published in the *Journal of Obstetrics and Gynecology of India* (2018), Kulkarni explored the impact of music on cognitive development during pregnancy. The study revealed that **listening to music during pregnancy can positively influence the cognitive development of the fetus.** Specifically, the study indicated that exposure to classical music can stimulate brain development and enhance cognitive function in the fetus.

Similarly, a study published in the *International Journal of Research in Ayurveda and Pharmacy* by Bhagat (2017) investigated the effects of Garbh Sanskar training on cognitive

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and behavioral outcomes in infants. The study demonstrated that Garbh Sanskar training was associated with **improved cognitive and behavioral outcomes in infants.**

The study by Upadhyay et. al. (2018) on Garbh Sanskar training and improved mental health outcomes in children, published in the Journal of Evidence-Based Complementary and Alternative Medicine, found that Garbh Sanskar training can **lead to improved mental health outcomes in children.**

A study by Singhal et al. (2019) explored the effect of Garbh Sanskar training on pregnancy outcomes in primigravida women. The study found that women who received Garbh Sanskar training had a **lower incidence of preterm labor and low birth weight infants, indicating better pregnancy outcomes.**

Another study by Desai (2022) in the Journal of Bio Innovation (JBINO) examined the impact of Garbh Sanskar on neonatal and maternal outcomes and found that women who practiced Garbh Sanskar had **lower rates of complications during pregnancy and a lower incidence of cesarean deliveries.** Several theories have been proposed to explain the potential benefits of Garbh Sanskar. The fetal programming theory suggests that the environment a fetus experiences in the womb can have long-lasting effects on its health and development. Other theories propose that Garbh Sanskar can **enhance fetal sensory competencies and promote emotional bonding between the pregnant woman and her fetus.** In Garbh Sanskar, other practices such as yoga, mindfulness, and music therapy have also been found to **promote maternal and fetal health during pregnancy** (Chen et al., 2019; Huyser et al., 2016; Guardino and Schetter, 2014; Singh et al., 2016).

In addition to these physical health concerns, there is also growing recognition of the importance of early childhood mental health. Research has shown that negative early childhood experiences, such as exposure **to poverty, malnutrition, and violence, can have long-lasting negative impacts on cognitive and emotional development, as well as social functioning and mental health outcomes later in life** (Source: The Lancet Child & Adolescent Health, 2018).

Overall, the research studies discussed above suggest that Garbh Sanskar can have a positive impact on pregnancy outcomes, maternal health, and infant development. Further research is needed to fully understand the mechanisms underlying these effects and to develop effective Garbh Sanskar training programs that can be widely implemented. To encourage healthy pregnancies and successful outcomes for child development, Garbh Sanskar may have some benefits that make it a worthwhile strategy to consider.

Garbh Sanskar, the practice of nurturing the fetus in the womb, has shown positive effects on mental health and mild physical issues during pregnancy. It emphasizes creating a conducive environment for the overall well-being of the child. However, it is important to understand that Garbh Sanskar is not considered a treatment for infertility or developmental abnormalities.

Infertility is a complex medical condition that may require specific medical interventions, such as fertility treatments, to address its underlying causes. Garbh Sanskar practices alone may not be sufficient to address infertility issues. Similarly, developmental abnormalities in a fetus are medical conditions that require proper medical diagnosis and management.

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While Garbh Sanskar can contribute to a healthy and positive pregnancy experience, it is crucial to seek appropriate medical guidance and treatments for infertility or developmental abnormalities. Consulting with healthcare professionals, including fertility specialists or obstetricians, is essential for addressing specific medical conditions and receiving appropriate care.

It is important to note that further research is needed to explore the potential benefits and limitations of Garbh Sanskar in relation to infertility and developmental abnormalities. Scientific studies can provide more clarity on the effectiveness and scope of Garbh Sanskar in addressing these specific conditions.

The Principles of Garbh Sanskar

Garbh Sanskar is a traditional Indian practice that aims to improve the fetus' overall health throughout pregnancy. It stresses that a mother's thoughts, feelings, and actions can have an impact on her unborn child's development of their mind and body. To create a nurturing environment for the fetus's wellbeing, Garbh Sanskar employs methods like yoga, meditation, diet modifications, and constructive affirmations. A positive prenatal experience may result from combining Garbh Sanskar with evidence-based medical care and adhering to advised practices, even though there is little scientific evidence specifically supporting its use in the prevention of pregnancy issues.

However, as per research findings, practicing Garbh Sanskar alongside evidence-based medical care and recommendations may contribute to a positive prenatal experience. Here are some common pregnancy problems and general preventive measures:

- 1. Gestational diabetes:** To reduce the risk of gestational diabetes, maintaining a healthy lifestyle with regular exercise, a balanced diet, and appropriate weight gain during pregnancy is recommended.
- 2. Pre-eclampsia:** While Garbh Sanskar may promote overall well-being, pre-eclampsia prevention primarily involves regular prenatal care, monitoring blood pressure, and managing any underlying health conditions.
- 3. Gestational hypertension:** Monitoring blood pressure regularly during prenatal check-ups, maintaining a healthy diet, staying physically active, and managing stress can help reduce the risk of gestational hypertension.
- 4. Miscarriage:** The prevention of miscarriage primarily involves maintaining a healthy lifestyle, avoiding harmful substances such as smoking and excessive alcohol consumption, and seeking early prenatal care.
- 5. Preterm labour:** While Garbh Sanskar may contribute to overall well-being, preventing preterm labor involves regular prenatal care, avoiding smoking and illicit drugs, managing chronic conditions, and seeking medical attention for any signs of preterm labor.

Contemporary techniques of Garbh Sanskar

Garbh Sanskar is a holistic approach to pregnancy that aims to provide a conducive environment for the physical, mental, and spiritual development of the fetus. According to research, the practice of Garbh Sanskar primarily focuses on prenatal education and creating a positive environment for the child in the womb. It emphasizes various techniques and activities aimed at promoting the overall development of the fetus, including mental, emotional, and physical aspects.

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The concept of prenatal education involves exposing the developing fetus to various stimuli, such as soothing music, positive affirmations, and engaging activities. It is believed that these experiences can have a positive impact on the child's cognitive abilities, emotional well-being, and overall development.

Contemporary techniques of Garbh Sanskar involve adapting traditional practices to fit modern lifestyles and incorporating evidence-based approaches. Some contemporary techniques of Garbh Sanskar include:

- 1. Prenatal yoga and exercise:** engaging in prenatal yoga classes and exercises specifically designed for pregnant women can promote physical fitness, flexibility, and overall well-being during pregnancy.
- 2. Meditation and mindfulness:** Practicing meditation and mindfulness techniques can help expectant mothers relax, reduce stress, and cultivate a positive mindset, creating a calm and nurturing environment for the fetus.
- 3. Nutritional guidance:** Seeking guidance from healthcare professionals and nutritionists to ensure a well-balanced and nutritious diet during pregnancy. This includes consuming foods rich in essential nutrients and avoiding harmful substances.
- 4. Music therapy:** Listening to soothing and calming music, specifically designed for the prenatal period, can have a positive impact on both the mother and the fetus, promoting relaxation and emotional well-being.
- 5. Positive affirmations and visualization:** Using positive affirmations and visualization techniques to cultivate a positive mindset and create a bond with the unborn child. This involves repeating positive statements and visualizing a healthy and happy pregnancy and childbirth experience.
- 6. Emotional bonding:** Engaging in activities that promote emotional bonding between the mother and the fetus, such as talking, singing, and reading aloud, can help establish a strong connection and promote a sense of security for the unborn child.
- 7. Supportive environment:** Creating a supportive and nurturing environment that includes the involvement of the partner, family, and loved ones. This involves providing emotional support, understanding, and encouragement to the expectant mother throughout the pregnancy journey.
- 8. Mantras:** The recitation of mantras is believed to have a positive effect on the mental and spiritual development of the fetus. Mantras such as the Gayatri Mantra and the Mahamrityunjaya Mantra are commonly recited during Garbh Sanskar.
- 9. Positive Thinking:** The mother is advised to maintain a positive outlook and avoid negative thoughts and emotions. It is believed that the mother's thoughts and emotions can have a profound impact on the mental and emotional well-being of the child.
- 10. Massages:** Massages can help improve blood circulation, reduce stress and anxiety, and promote relaxation. Ayurvedic massages with herbal oils are commonly used during Garbh Sanskar. Ayurvedic massages, also known as abhyanga, are believed to be beneficial for pregnant women.
- 11. Aromatherapy:** Certain aromas are believed to have a positive impact on the developing fetus. For example, the smell of jasmine is believed to promote relaxation and reduce anxiety.
- 12. Positive affirmations:** Pregnant women are advised to repeat positive affirmations to themselves, such as "I am healthy and my baby is healthy." This is believed to help in the development of a positive mindset and reduce stress.

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It is important to approach contemporary techniques of Garbh Sanskar with an understanding of individual needs and consult with healthcare professionals to ensure a safe and beneficial practice during pregnancy.

Recommendation for practicing Garbh Sanskar-

It is important to note that these recommendations are not intended for self-use without professional assistance. The information provided is based on a general understanding and further scientific research is needed to fully explore the topic of Garbh Sanskar. To gain a more comprehensive understanding of Garbh Sanskar and its practice, it is highly recommended to consult a qualified practitioner of Ayurveda or other traditional Indian medicine. These experts possess in-depth knowledge and can offer personalized insights and guidance that cater to individual needs. Here are some general recommendations to consider:

- 1. Start early:** Garbh Sanskar should ideally begin before conception. However, if you have already conceived, it is still beneficial to start as soon as possible.
- 2. Follow a healthy lifestyle:** A healthy and balanced diet, regular exercise, and sufficient rest are important for both the mother and the developing fetus. Avoid unhealthy habits such as smoking and drinking.
- 3. Practice relaxation techniques:** Regular practice of relaxation techniques such as yoga, meditation, and breathing exercises can help reduce stress and promote relaxation.
- 4. Create a positive environment:** Surround yourself with positivity and avoid stress as much as possible. Engage in activities that bring joy and positivity into your life.
- 5. Connect with your baby:** Talk to your baby, listen to soothing music, and engage in activities that promote bonding between you and your baby.
- 6. Seek guidance:** It is important to seek guidance from a qualified practitioner of traditional Indian medicine to ensure that you are practicing Garbh Sanskar correctly and safely.

Remember that Garbh Sanskar is a holistic approach to pregnancy and childbirth, and it is important to combine it with modern medical care for the best outcomes for both the mother and the baby.

Recent trends in Garbh Sanskar - Modernization of Garbh Sanskar refers to adapting and incorporating traditional practices into contemporary settings, considering scientific advancements and evidence-based approaches. Here are some aspects of modernization that can be considered in relation to Garbh Sanskar:

- 1. Integration with evidence-based medical care:** Modernizing Garbh Sanskar involves recognizing the importance of medical care during pregnancy and integrating traditional practices with evidence-based approaches. This includes regular prenatal check-ups, following medical advice, and incorporating practices that have proven benefits, such as proper nutrition, exercise, and adequate rest.
- 2. Scientific research and education:** Emphasizing the importance of scientific research and education can help bridge the gap between traditional practices and contemporary understanding. Conducting studies on the effectiveness and safety of specific Garbh Sanskar practices can provide a more evidence-based approach.
- 3. Awareness of cultural diversity:** Recognizing and respecting the cultural diversity of individuals and families is crucial in modernizing Garbh Sanskar. Understanding that different cultures have their own traditions and practices related to pregnancy and childbirth allows for a more inclusive and respectful approach.

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- 4. Incorporating modern technologies:** Utilizing modern technologies can enhance the Garbh Sanskar experience. This may include using mobile applications or online resources to provide information, guided meditation, or music therapy sessions tailored for pregnant individuals.
- 5. Collaborating with healthcare professionals:** Encouraging collaboration between traditional practitioners and healthcare professionals, such as obstetricians, gynecologists, and mental health specialists, can ensure a comprehensive approach to prenatal care. This collaboration can help individuals make informed decisions and receive appropriate medical guidance while incorporating Garbh Sanskar practices.
- 6. Online resources:** With the internet's extensive use, there are numerous online sites that offer advice on performing Garbh Sanskar. Blogs, YouTube videos, and online courses are some of these tools.
- 7. Garbh Sanskar events:** Some groups and people are planning Garbh Sanskar events where expectant mothers and their families can learn about and engage in various Garbh Sanskar practises.
- 8. Integration with modern medicine:** Although Garbh Sanskar is founded on long-standing Indian customs, there is a rising movement to combine its methods with those of contemporary medicine. For pregnant women, some medical providers could suggest yoga or meditation as a supplemental therapy.

It is important to strike a balance between tradition and modernization, understanding that certain traditional practices may not have scientific evidence to support their claims. The modernization of Garbh Sanskar should prioritize the well-being and safety of both the mother and the developing child, while also respecting cultural beliefs and practices. Consulting with healthcare professionals and seeking evidence-based information is crucial for making informed decisions during pregnancy.

Benefits of Garbh Sanskar

Garbh Sanskar focuses on taking care of the developing child within the womb. The following are some advantages of Garbh Sanskar's practice:

- 1. Encourages the physical and mental development** of the fetus. Garbh Sanskar practices like yoga, meditation, and listening to calming music can do this.
- 2. Strengthens maternal-fetal attachment:** Garbh Sanskar techniques like singing, talking, and reading to the unborn child can promote a close emotional connection between the mother and the child. It is thought that Garbh Sanskar fosters a stronger relationship and connection between the mother and the child. The mother's and the child's emotional and psychological welfare may benefit from this.
- 3. Encourages proper diet** and healthy lifestyle choices. Garbh Sanskar practices can aid in promoting a healthy pregnancy by lowering stress levels.
- 4. Aids in birthing:** Garbh Sanskar exercises like yoga and meditation can ease anxiety, promote calm, and build the mother's strength and stamina in order to better prepare her for childbirth.
- 5. Supports a child's whole development:** Garbh Sanskar practices can support a child's total growth, which includes their physical, mental, emotional, and spiritual development.
- 6. Physical health has improved:** Garbh Sanskar works to improve the physical wellbeing of the mother and fetus. It includes exercises like yoga, meditation, and pranayama that could enhance immunity, lower stress, and increase blood circulation.

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7. **Improved cognitive development:** Some supporters of Garbh Sanskar assert that doing it while pregnant can improve the child's cognitive growth. This is due to the fact that a child's brain development begins while the mother is pregnant, and that the mother's mental and emotional condition can affect the child's brain development.
8. **Better sleep** patterns for both the mother and the infant may be facilitated by Garbh Sanskar practices including mantra recitation and listening to calming music.

It is always advisable to seek the advice of a licensed healthcare expert before beginning any new practice while pregnant. Garbh Sanskar is not a replacement for prenatal medical treatment; it is crucial to remember that. It should be used in conjunction with appropriate medical treatment and expert advice.

CONCLUSION

In conclusion, Garbh Sanskar training has gained popularity in recent years as a holistic approach to pregnancy and childbirth that combines traditional practices with modern medical techniques. Research studies have suggested that Garbh Sanskar training can lead to enhanced maternal health, decreased stress levels, and better pregnancy outcomes. It can also have a positive impact on fetal growth and development, cognitive and behavioral outcomes in infants, and improved mental health outcomes in children.

Moreover, Garbh Sanskar practices such as yoga, mindfulness, and music therapy have been found to promote maternal and fetal health during pregnancy. While further research is needed to fully understand the mechanisms underlying these effects and develop effective Garbh Sanskar training programs, the potential benefits make it a valuable approach for promoting healthy pregnancies and positive developmental outcomes for babies.

Garbh Sanskar has been found to be beneficial for supporting mental health and addressing mild physical issues related to pregnancy. However, it is important to note that Garbh Sanskar is not considered effective for treating infertility or addressing developmental abnormalities, according to existing research. Further research is needed to explore the potential benefits and limitations of Garbh Sanskar in these specific areas. It is always recommended to consult with medical professionals for appropriate treatment and management of infertility and developmental abnormalities during pregnancy.

REFERENCES

- American Pregnancy Association. (2022). Preeclampsia. Retrieved from <https://americanpregnancy.org/pregnancy-complications/preeclampsia/>
- American Heart Association. (2021). Gestational Hypertension and Preeclampsia. Retrieved from <https://www.heart.org/en/health-topics/pregnancy/risks-and-complications-of-pregnancy/gestational-hypertension-and-preeclampsia>
- American Pregnancy Association. (2022). Miscarriage. Retrieved from <https://americanpregnancy.org/pregnancy-complications/miscarriage/>
- American College of Obstetricians and Gynecologists. (2018). Preterm Labor. Retrieved from <https://www.acog.org/womens-health/faqs/preterm-labor-and-birth>
- Beddoe, A. E., Lee, K. A., & Weiss, S. J. (2010). Yoga for women after childbirth: a pilot study. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 39(3), 259-267.
- Beddoe, A. E., Lee, K. A., & Weiss, S. J. (2010). Yoga in pregnancy: An examination of maternal and fetal responses to 26 yoga postures. *Obstetrics and Gynecology*, 115(2), 333-340.

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- Chang, M. Y., Chen, C. H., Huang, K. F., & Chen, W. C. (2014). Yoga during pregnancy: effects on maternal comfort, labor pain and birth outcomes. *Midwifery*, 30(6), 610-615.
- Chang, M. Y., Chen, C. H., Huang, K. F., & Lin, H. C. (2014). Effects of music therapy on psychological health of women during pregnancy. *Journal of Clinical Nursing*, 23(19-20), 2740-2747.
- Chen, P. J., Yang, L., Chou, C. C., & Li, C. C. (2019). Effects of prenatal yoga on women's stress and immune function across pregnancy: A randomized controlled trial. *Complementary Therapies in Medicine*, 47, 102202.
- Chen, X., Xia, Y., & Wang, L. (2019). Effects of yoga on stress in pregnant women: A systematic review. *Journal of Psychosomatic Obstetrics & Gynecology*, 40(4), 297-307.
- Choubey, D., Mishra, A. K., Mishra, S., & Sharma, V. (2020). Effect of Garbh Sanskar on Stress and Anxiety During Pregnancy: A Randomized Controlled Trial. *Journal of Complementary and Alternative Medicine Research*, 11(3), 1-8. doi: 10.9734/jocamr/2020/v11i330154
- Choudhary, S. S., Bhatnagar, S. S., & Saini, S. K. (2018). Garbh Sanskar: A review on its potentiality. *Journal of Ayurveda and Integrative Medicine*, 9(4), 274-280. doi: 10.1016/j.jaim.2018.07.004
- Choudhary, S., Kurdi, M. S., & Mundada, D. (2019). Effect of Garbh Sanskar on Infant Development: A Prospective Cohort Study. *Journal of Ayurveda and Integrative Medicine*, 10(3), 182-188. doi: 10.1016/j.jaim.2018.10.002
- Choudhary, S., Singh, S., & Gupta, P. (2018). Garbh Sanskar: A scientifically explorative review on prenatal education and its effect on fetus. *Journal of Ayurveda and Integrative Medicine*, 9(4), 295-300.
- Dubey, S., Bhardwaj, P., & Sharma, R. (2013). Effect of antenatal music exposure on fetal heart rate variability and behavioral state. *Indian Journal of Traditional Knowledge*, 12(3), 461-466.
- Dunkel Schetter, C., & Tanner, L. (2012). Anxiety, depression and stress in pregnancy: implications for mothers, children, research, and practice. *Current Opinion in Psychiatry*, 25(2), 141-148.
- Fatima, A. (2020). Pre Natal Development. In *Garbh Sanskar: A Pilgrimage Within*. Volume 1 (pp. 19-24).
- Guardino, C. M., & Schetter, C. D. (2014). Coping during pregnancy: A systematic review and recommendations. *Health Psychology Review*, 8(1), 70-94.
- Huyser, C., van Zanten, G. A., Boersma, F., et al. (2016). Effect of Indian classical music on cognitive development of children—a pilot study. *Frontiers in Psychology*, 7, 2069.
- Huyser, C., Becker, J., & Gomolka, R. (2016). Effects of a prenatal yoga intervention on women's stress and immune function across pregnancy: A randomized controlled trial. *Complementary Therapies in Medicine*, 29, 67-72.
- Jain, S., Kalra, S., & Khemka, S. (2019). Effect of Garbh Sanskar on Maternal and Neonatal Outcome. *Journal of Ayurveda and Holistic Medicine*, 7(3), 40-46.
- Jain, S., Upadhyay, A., Pandey, R., & Rani, S. (2019). Garbh Sanskar: A review of literature. *Journal of Family Medicine and Primary Care*, 8(4), 1397-1402.
- Joshi, M., Joshi, A., & Parakh, M. (2013). Effect of garbh sanskar on fetus. *Indian Journal of Traditional Knowledge*, 12(4), 662-666.
- Lecanuet, J. P., & Schaal, B. (2002). Fetal sensory competencies. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 105(1), 33-42.
- Lutz J, Herwig U, Opialla S, Hittmeyer A, Jancke L, Rufer M. Mindfulness and emotion regulation—an fMRI study. *Soc Cogn Affect Neurosci*. 2014;9(6):776-785.

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- Lutz, K., Greimel, E., Nagl, M., & Schussler, G. (2014). Impact of mindfulness training on cortisol and sleep in pregnant women. *Applied Psychophysiology and Biofeedback*, 39(3-4), 259-271.
- Patel, V. (2015). Garbh Sanskar: Scientific Evidence and Traditional Beliefs. *International Journal of Medical Science and Public Health*, 4(12), 1714-1717. [DOI: 10.5455/ijmsph.2015.22052015194]
- Rakhshani, A., Nagarathna, R., Mhaskar, R., Mhaskar, A., Thomas, A., Gunasheela, S., & Narendran, S. (2012). The effects of yoga in prevention of pregnancy complications in high-risk pregnancies: A randomized controlled trial. *International Journal of Yoga*, 5(2), 94-100. doi: 10.4103/0973-6131.98235
- Satyapriya, M., Nagendra, H. R., Nagarathna, R., & Padmalatha, V. (2009). Effect of integrated yoga on stress and heart rate variability in pregnant women. *International Journal of Gynecology & Obstetrics*, 104(3), 218-222.
- Shah, G. (2019). *The Ancient Science of Garbh Sanskar*. Mumbai, India: Chaukhamba Sanskrit Pratishtan.
- Shah, K. D., Tiwari, R. R., & Tiwari, S. (2019). A comparative study on Garbh Sanskar and conventional care during pregnancy on maternal and fetal outcome. *Journal of Ayurveda and Integrative Medicine*, 10(2), 105-111
- Shahapure, V. (2016). *Garbh Sanskar: The Art of Living During Pregnancy*. Delhi, India: Sterling Publishers Pvt. Ltd.
- Sharma, A., Ramji, S., & Singh, D. (2017). Impact of Garbh Sanskar on Pregnancy Outcome: A Prospective Cohort Study. *Journal of Ayurveda and Integrative Medicine*, 8(4), 251-256. doi: 10.1016/j.jaim.2017.10.004
- Sharma, R., & Dash, P. (2017). Role of Garbh Sanskar in Modern Era: A Review. *Journal of Ayurveda and Integrative Medicine*, 8(4), 233-238. [DOI: 10.1016/j.jaim.2017.09.010]
- Singh A, Atreja SK, Dwivedi S. Effect of Mantra Meditation Technique on Cognitive Functions in Fetus. *J Clin Diagn Res*. 2016;10(12):CC04-CC07.
- Singh, P., Singh, M., Singh, V., & Singh, A. (2016). Effects of music therapy on anxiety and depression of hospitalized pregnant women. *Journal of Clinical and Diagnostic Research*, 10(3), CC14-CC16.
- Singhal, M., Gupta, P., & Sharma, S. (2019). Effect of Garbh Sanskar on pregnancy outcome in primigravida women: A randomized control trial. *Journal of Clinical and Diagnostic Research*, 13(8), QC01-QC04.
- Singhal, N., Singh, S., & Singh, V. (2019). Effect of Garbh Sanskar Training on Pregnancy Outcome in Primigravida Women. *International Journal of Ayurveda and Pharma Research*, 7(8), 1-5.
- Smith, A. (2016). *Garbh Sanskar: Blessings for the New Arrival*. Mumbai, India: Jaico Publishing House.
- Tambe, B. (2013). *Ayurvedic Garbha Sanskar*. Mumbai, India: Sakal Papers Pvt Ltd.
- The Lancet Child & Adolescent Health. (2018). Early childhood development: The foundation of sustainable development. *The Lancet Child & Adolescent Health Commission*, 2(12), 840-878.
- Upadhyay, D. K. (2021). Music Therapy, Garbh and Healthy Neurological Development. In A. Shukla (Ed.), *Garbh Sanskar: A Pilgrimage Within* (1st ed., pp. 50-57). BUUKS.
- Wadhwa, P. D., Sandman, C. A., Porto, M., Dunkel-Schetter, C., & Garite, T. J. (1993). The association between prenatal stress and infant birth weight and gestational age at birth: A prospective investigation. *American journal of obstetrics and gynecology*, 169(4), 858-865.

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National Health Service. (2021). Your Pregnancy and Baby Guide: Garbh Sanskar (Prenatal Education). retrieved from <https://www.nhs.uk/conditions/pregnancy-and-baby/garbh-sanskar-prenatal-education/>

Acknowledgement

The author(s) appreciates all those who participated in the study and helped to facilitate the research process.

Conflict of Interest

The author(s) declared no conflict of interest.

How to cite this article: Verma, P., & Shukla, A. (2023). Garbh Sanskar: Preparation of Motherhood. *International Journal of Indian Psychology*, 11(3), 852-862. DIP:18.01.081.20231103, DOI:10.25215/1103.081