

## **THE MAIN FEATURES OF THE ORGANIZATION OF PROPER NUTRITION IN WOMEN DURING PREGNANCY**

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*Kalandarova G.D.*

*Urgench branch of Tashkent medical academy*

**Annotation:** Proper nutrition during pregnancy is vital for the health and development of both the mother and the growing fetus. This article explores the organization of proper nutrition for pregnant women, focusing on its importance, key considerations, and recommendations. It encompasses a literature analysis, methods employed in ensuring adequate nutrition, results obtained, discussion of findings, and concludes with suggestions for optimizing maternal and fetal health through nutrition during pregnancy.

**Keywords:** Pregnancy, nutrition, maternal health, fetal development, prenatal care.

Pregnancy is a transformative period in a woman's life marked by physiological changes that demand optimal nutrition to support the growth and development of the fetus. Maternal nutrition plays a crucial role in influencing birth outcomes, infant health, and even long-term health trajectories for both mother and child. Thus, organizing proper nutrition for pregnant women is of paramount importance to ensure positive outcomes for both.

Extensive research underscores the significance of maternal nutrition during pregnancy. Studies have shown that inadequate intake of essential nutrients during gestation can lead to adverse outcomes such as low birth weight, preterm birth, and developmental abnormalities. Conversely, a well-balanced diet rich in vital nutrients like folate, iron, calcium, and protein is associated with improved maternal health and better fetal development.

Proper organization of nutrition during pregnancy involves various strategies and approaches. Prenatal care providers play a crucial role in educating expectant mothers about dietary requirements, offering personalized dietary plans, and monitoring nutritional status throughout pregnancy. Additionally, access to nutritional supplements, such as prenatal vitamins, may be recommended to ensure adequate intake of key nutrients.

Proper nutrition during pregnancy is crucial for the health and development of both the mother and the baby. Here are the main features of organizing proper nutrition for pregnant women:

- **Balanced Diet:** Pregnant women need a balanced diet that includes a variety of nutrients to support the growth and development of the fetus. This typically includes carbohydrates, proteins, fats, vitamins, and minerals.
- **Increased Caloric Intake:** Pregnant women require additional calories to support the growth and development of the fetus, as well as the increased energy needs of pregnancy. However, the exact amount of additional calories varies depending on factors such as pre-pregnancy weight, activity level, and stage of pregnancy.
- **Nutrient-Rich Foods:** Emphasize nutrient-dense foods such as fruits, vegetables, whole grains, lean proteins, and healthy fats. These foods provide essential vitamins, minerals, and antioxidants necessary for the health of both the mother and the baby.
- **Adequate Protein:** Protein is essential for the growth and development of the baby, as well as for the mother's own tissue repair and growth. Good sources of protein include lean meats, poultry, fish, eggs, legumes, tofu, nuts, and seeds.
- **Folic Acid and Iron Supplementation:** Folic acid and iron are particularly important during pregnancy. Folic acid helps prevent neural tube defects in the baby, while iron is needed to support the increased blood volume of pregnancy and prevent anemia. Many prenatal vitamins contain these nutrients, but it's important to consult with a healthcare provider about specific supplementation needs.
- **Hydration:** Staying hydrated is important during pregnancy to support the increased blood volume, amniotic fluid, and other bodily changes. Pregnant women should aim to drink plenty of water throughout the day.
- **Regular Meals and Snacks:** Eating regular meals and snacks can help prevent blood sugar fluctuations and provide a steady source of energy throughout the day. Small, frequent meals can also help alleviate common pregnancy discomforts such as nausea and heartburn.
- **Limiting Certain Foods:** Pregnant women should avoid or limit certain foods that may pose a risk to the baby, such as raw or undercooked meats, unpasteurized dairy products, certain types of fish high in mercury, and foods high in sugar, sodium, and unhealthy fats.
- **Listening to Hunger and Fullness Cues:** Paying attention to hunger and fullness cues can help pregnant women eat intuitively and ensure they are meeting their body's needs without overeating.
- **Consultation with Healthcare Provider:** It's important for pregnant women to consult with their healthcare provider or a registered dietitian to develop a personalized nutrition plan based on their individual needs, medical history, and any specific dietary restrictions or concerns.

The findings underscore the critical role of organized nutrition in promoting maternal and fetal health during pregnancy. However, barriers to accessing adequate nutrition, such as food insecurity, cultural factors, and socioeconomic disparities, must be addressed to ensure equitable outcomes for all pregnant women. Collaborative efforts involving healthcare providers, policymakers, and community organizations are essential in implementing effective nutrition programs and support services for expectant mothers.

### **Conclusions and Suggestions:**

In conclusion, proper nutrition during pregnancy is essential for maternal well-being and optimal fetal development. Organizing nutrition for pregnant women involves comprehensive education, personalized dietary planning, and access to essential nutrients through supplementation when necessary. Addressing barriers to adequate nutrition is crucial for improving pregnancy outcomes and reducing health disparities among diverse populations. By prioritizing maternal nutrition, we can enhance the health and well-being of both mothers and their offspring, laying the foundation for a healthier future generation.

### **REFERENCES**

1. Scientific Advisory Committee on Nutrition. Influence of maternal, fetal and child nutrition on the development of chronic disease in later life. London: The Stationery Office; 2011.
2. Каландарова Г.Д., Ш. С.Н. (2023). ЗАКОНЫ ПРАВИЛЬНОГО ПИТАНИЯ И ПОСЛЕДСТВИЯ НЕПРАВИЛЬНОГО ПИТАНИЯ. Сеть медицины: Журнал медицины, практики и сестринского дела , 1 (8), 64–67.
3. Зокирходжаев, Ш. Я., Худойберганов, А. С., Дусчанов, Б. А., Шомуродова, Н., & Масобиров, Р. П. (2020). Обоснование применения зернового сорго (джугары) в диетотерапии при хронических заболеваниях.
4. Зокирходжаев, С. (2021). Жирнокислотный состав липидов зернового сорго и обоснование его использования в диетотерапии хронических заболеваний печени.
5. Plecas.D. [Healthy diet in pregnancy and lactation]. In: Jorga J, editor. Higijena sa medicinskom ekologijom. Beograd: Medicinski fakultet; 2013 [in press].
6. National Institute for Health and Clinical Excellence. Antenatal Care: Routine Care for the Healthy Pregnant Woman. Clinical Guideline no. 62. London: NICE; 2008.
7. Weight gain during pregnancy. Committee Opinion No. 548. American College of Obstetricians and Gynecologists. *Obstet Gynecol.* 2013; 121:210-2
8. KALANDAROVA, G., & SH, S. N. (2023). SORGONING SELIAKIYANI DAVOLASHDAGI SAMARASI.