

CHANGES IN INNER ORGANS DURING MENOPAUSE

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Abstract: The side effects of menopause can be upsetting. Hormonal changes that start during the menopausal progress influence numerous organic frameworks. In like manner, the signs and symptoms of menopause incorporate focal sensory system related messes; metabolic, weight, cardiovascular and outer muscle changes; urogenital and skin decay; and sexual brokenness. The physiological premise of these signs is arising as complicated and related, however not restricted to, oestrogen privation.

Key words: menopause, estrogen and progesterone.

Introduction. Menopause, the normal progress denoting the finish of a woman's reproductive age, is frequently connected with hot blazes and night sweats. The body goes through a lot of changes during menopause, most of which affect the internal organs.

The Hormonal Orchestra: Estrogen and Progesterone.

The primary things in the hormonal changes of menopause are estrogen and progesterone. Created by the ovaries, these chemicals manage the monthly cycle, keep up with bone well-being, and impact temperament and digestion. As a woman approaches menopause, her ovaries slowly reduce the creation of these hormones. This diminishing in hormones disturbs the fragile hormonal equilibrium, prompting a cascading type of influence on different organs.

The Ovaries: Fading Fertility.

Menopausal changes are not influenced by the ovaries. The ovaries of a woman produce estrogen and progesterone and release eggs (oocytes) for potential fertilization during her reproductive years. With diminishing chemical creation, ovulation becomes unpredictable and ultimately comes by and large. This denotes the finish of a lady's fruitfulness. The ovaries shrivel, and their capability principally moves to the development of a modest quantity of androgen chemicals.

The Uterus: No More Periods.

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The Vagina and Vulva: Thinning Tissues and Reduced Lubrication.

During menopause, estrogen levels decrease in the external genitalia, the vagina, and the vulva. The vaginal tissues become thinner and dryer as a result, becoming less elastic and more susceptible to irritation and infections. Vaginal dryness can likewise diminish sex drive and make sex self-conscious. Additionally, the external skin folds known as the vulva may become drier and thinner.

The Breasts: Changes in Size and Density.

Estrogen plays a crucial role in the development of the breasts. During menopause, the breasts might diminish in size and completion because of the lessening in estrogen. Additionally, the breast tissue may become thinner and more fatty. While these progressions are normal, it's vital to know about any uncommon knots or changes in the breasts and to plan standard mammograms for early identification of any likely issues.

The Urinary Tract: Increased Urgency and Frequency.

The urinary system may also be affected by the decrease in estrogen. The urethra, the cylinder that conveys urine from bladder to beyond the body, may lose a muscle tone because of the absence of estrogen. This can prompt expanded urinary earnestness and recurrence, as well as trouble controlling the urine .

The Heart and Blood Vessels: A Shift in Risk Factors.

Estrogen has a protective effect on the cardiovascular system. During menopause, the loss of estrogen can increase a woman's risk of developing heart disease. This is because estrogen helps maintain healthy cholesterol levels and keeps blood vessels elastic. It's important for women to be aware of this increased risk and to adopt heart-healthy habits like exercise, a balanced diet, and stress management.

The Bones: Threat of Osteoporosis.

Estrogen assumes a significant part in bone well-being by advancing calcium assimilation and bone thickness. Women are more likely to develop osteoporosis, a condition that weakens bones and increases their vulnerability to fractures, as estrogen levels fall. This increases the rate of bone loss in women. Keeping a calcium-rich eating regimen, taking part in weight-bearing activities, and investigating chemical treatment choices with a specialist can assist with moderating this gamble.

The Brain: Fogginess and Mood Swings.

Estrogen receptors are present in various regions of the brain, and the decline in estrogen during menopause can affect brain function. Some women may experience symptoms like memory lapses, difficulty concentrating, and mood swings. These changes are often temporary, but they can happen in daily life.

Living Through Menopause: Embracing Change and Maintaining Health.

Menopause is a natural process , not a medical condition. While the changes within the body can be seen , there are ways to manage them and navigate this phase of life smoothly.

To keep away from this you ought to do : better lifestyle: Keeping a sound load through diet and exercise can assist with reducing side effects like hot flashes and work on by and large prosperity. Stress The management: Procedures like yoga, contemplation, and profound breathing can assist with overseeing pressure, which can demolish a few menopausal side effects. Sleep hygiene: Keeping a regular sleep schedule and taking good care of your sleep can help you sleep better.

References:

- 1.Sarkisova V., Xegay R., Numonova A. ENDOCRINE CONTROL OF THE DIGESTION PROCESS. GASTROINTESTINAL ENDOCRINE CELLS //Science and innovation. – 2022. – T. 1. – №. D8. – C. 582-586.
- 2.Sarkisova V. ASPECTS OF THE STATE OF THE AUTONOMIC NERVOUS SYSTEM IN HYPOXIA //Science and innovation. – 2022. – T. 1. – №. D8. – C. 977-982.
- 3.Sarkisova V. et al. ESSENTIAL ROLE OF BRADIKININ IN THE COURSE OF BASIC LIFE PROCESSES //Science and innovation. – 2022. – T. 1. – №. D8. – C. 576-581.
- 4.Sarkisova V., Xegay R. Causes, Diagnosis, Conservative And Operative Treatment Of Uterine Myoma //Science and innovation. – 2022. – T. 1. – №. D8. – C. 198-203.

5. Vladimirovna S. V. Epidemiology, Theories Of The Development, Conservative And Operative Treatment Of The Endometriosis //The Peerian Journal. – 2023. – Т. 15. – С. 84-93.
6. Vladimirovna S. V. About the Causes of Endometrial Hyperplasia and Forms of Endometrial Hyperplasia //Global Scientific Review. – 2023. – Т. 12. – С. 25-32.
7. Саркисова В. В. Патогенетические отношения артериальной гипертензии и сопротивления инсулина //IQRO JURNALI. – 2023. – Т. 2. – №. 1. – С. 727-731.
8. Sarkisova V., Numonova A., Xegay R. Аспекты Состояния Вегетативной Нервной Системы При Гипоксии //Science and innovation. – 2022. – Т. 1. – №. D8. – С. 228-231.
9. Саркисова В., Абдурахманова К. Роль гормональных препаратов в терапии гиперпластических процессов эндометрия и в частности при миоме матки //Журнал вестник врача. – 2014. – Т. 1. – №. 1. – С. 167-168.
10. Саркисова В., Абдурахманова К. Роль гормональных препаратов в терапии гиперпластических процессов эндометрия и в частности при миоме матки //Журнал вестник врача. – 2014. – Т. 1. – №. 1. – С. 167-168.
11. Sarkisova V., Regina X. РОЛЬ БРАДИКИНИНА В ПРОТЕКАНИИ ОСНОВНЫХ ЖИЗНЕННЫХ ПРОЦЕССОВ //Science and innovation. – 2022. – Т. 1. – №. D8. – С. 587-593.
12. Sarkisova V., Numonova A., Xegay R. АНТИБИОТИКОРЕЗИСТЕНТНОСТЬ ИЛИ БОРЬБА С ГЛОБАЛЬНОЙ УГРОЗОЙ XXI ВЕКА //Science and innovation. – 2022. – Т. 1. – №. D8. – С. 232-241.
13. Джуманов Б. и др. Применение инструментальных методов исследование в диагностике острого аппендицита у беременных //Журнал проблемы биологии и медицины. – 2014. – №. 1 (77). – С. 9-12.
14. Саркисова В., Абдурахманова К. Астено-вегетативные нарушения, оценка качества жизни у женщин климактерического возраста с гиперпластическими процессами в матке //Журнал вестник врача. – 2014. – Т. 1. – №. 1. – С. 163-166.
15. ARTERIAL V. S. V. P. R. O. F. HYPERTENSION AND INSULIN RESISTANCE //IQRO JURNALI. – 2023. – Т. 2. – №. 1. – С. 685-691.
16. Vladimirovna S. V. et al. Analysis of Women's Reproductive and Somatic Health, Hospitalized for Endometrial Hyperplasia and Uterine Bleeding //Eurasian Medical Research Periodical. – 2023. – Т. 17. – С. 91-96.
17. Саркисова В., Джуманов Б., Исроилова Г. Анализ репродуктивного и соматического здоровья женщин, госпитализированных по поводу гиперплазии эндометрия и маточных кровотечений //Журнал вестник врача. – 2014. – Т. 1. – №. 1. – С. 169-170.
18. Vladimirovna S. V. et al. Hyperplastic Processes of the Endometrium: Issues of Etiopathogenesis, Clinic, Diagnosis, Treatment. – 2023.

19. Vladimirovna S. V. et al. Adenomyosis as an Independent Unit of Dysfunction of the Endometrium and Uterine Myometrium //Scholastic: Journal of Natural and Medical Education. – 2023. – T. 2. – №. 3. – C. 85-91.
20. Sarkisova V., Alvi I. The problem of comorbidity of affective disorders and personality disorders //Science and innovation. – 2023. – T. 2. – №. D5. – C. 170-177.
21. Sarkisova V. et al. BIPOLAR AFFECTIVE DISORDER (BAR) //Science and innovation. – 2023. – T. 2. – №. D5. – C. 165-169.
22. Sarkisova V. et al. CYTOKINE PROFILE IN PATIENTS WITH GRANULOMATOSIS WITH POLYANGIITIS (WEGENER'S) //Science and innovation. – 2023. – T. 2. – №. D11. – C. 336-343.
23. Sarkisova V., Lapasova Z., Shernazarov F. O. Rakhmanov INFLAMMATORY DISEASES OF THE PELVIC WOMEN ORGANS. – 2023.
24. Sarkisova V. I. Alvi THE PROBLEM OF COMORBIDITY OF AFFECTIVE DISORDERS AND PERSONALITY DISORDERS. – 2023.
25. Vladimirovna S. V. et al. TORCH-Complex //Scholastic: Journal of Natural and Medical Education. – 2023. – T. 2. – №. 6. – C. 183-187.
26. Vladimirovna S. V. et al. PREGNANCY WITH CONGENITAL HEART DISEASE //Science and innovation. – 2023. – T. 2. – №. D4. – C. 127-136.
27. Vladimirovna S. V. et al. NEUROIMMUNOLOGICAL MECHANISMS OF THE FORMATION OF CHRONIC PAIN SYNDROME //EUROPEAN JOURNAL OF MODERN MEDICINE AND PRACTICE. – 2024. – T. 4. – №. 2. – C. 45-49.
28. Nair V. G. et al. Endometriosis, Pathophysiology and Pathomorphology //EUROPEAN JOURNAL OF MODERN MEDICINE AND PRACTICE. – 2024. – T. 4. – №. 2. – C. 222-230.
29. Victoria S. et al. In-Depth Analysis of Ibm Spss Application in Bone Regeneration //EUROPEAN JOURNAL OF MODERN MEDICINE AND PRACTICE. – 2024. – T. 4. – №. 2. – C. 274-284.
30. Vladimirovna S. V. et al. Changes in Internal Organs During Hypoxia: A Comprehensive Analysis //EUROPEAN JOURNAL OF MODERN MEDICINE AND PRACTICE. – 2024. – T. 4. – №. 3. – C. 26-32.
31. Sarkisova V. et al. INFLAMMATORY DISEASES OF THE PELVIC WOMEN ORGANS //Science and innovation. – 2023. – T. 2. – №. D11. – C. 331-335.
32. MURALEEDHARAKURUP A. et al. MECHANISM OF ACTION OF BUSERELIN WITHIN THE TREATMENT OF INFERTILITY //International Journal of Alternative and Contemporary Therapy. – 2024. – T. 2. – №. 3. – C. 38-43.
33. MURALEEDHARAKURUP A. et al. MECHANISM OF ACTION OF BUSERELIN WITHIN THE

TREATMENT OF INFERTILITY //International Journal of Alternative and Contemporary Therapy. – 2024.
– T. 2. – №. 3. – C. 38-43.

34. Vladimirovna S. V. et al. Menstrual Cycle Disturbances in the Reproductive Period //Central Asian Journal of Medical and Natural Science. – 2023. – T. 4. – №. 2. – C. 389-397.