

Список литературы

1. Акбаров А. Н., Тиллаходжаева М. М. ОЦЕНКА ЭФФЕКТИВНОСТИ ОРТОПЕДИЧЕСКОГО ЛЕЧЕНИЯ С ПРИМЕНЕНИЕМ ДЕНТАЛЬНЫХ ИМПЛАНТАТОВ У БОЛЬНЫХ СИСТЕМНЫМ ОСТЕОПОРОЗОМ //Conferences. – 2023. – №. 1 (90). – С. 66-70.
2. Акбаров А. Н., Тиллаходжаева М. М. ОЦЕНКА ЭФФЕКТИВНОСТИ ОРТОПЕДИЧЕСКОГО ЛЕЧЕНИЯ С ПРИМЕНЕНИЕМ ДЕНТАЛЬНЫХ ИМПЛАНТАТОВ У БОЛЬНЫХ СИСТЕМНЫМ ОСТЕОПОРОЗОМ //Conferences. – 2023. – С. 23-24.
3. Хабилов Б. Н., Тиллаходжаева М. М. ИЗУЧЕНИЕ ЖЕВАТЕЛЬНОЙ ЭФФЕКТИВНОСТИ ПРИ ОРТОПЕДИЧЕСКОМ ЛЕЧЕНИИ ЧАСТИЧНОЙ ПОТЕРИ ЗУБОВ //Conferences. – 2022. – С. 141-142.

QUANTITATIVE DETERMINATION OF BONE ISOENZYME OF ALKALINE PHOSPHATASE IN BLOOD SERUM TO DETERMINE THE INTENSITY OF BONE TISSUE REMODELING PROCESSES.

*Akbarov Avzal Nigmatullaevich., Tillakhodzhaeva Madina Makhirovna. Tashkent State Dental Institute, Department of Faculty orthopedic dentistry
Mardonova Karolina University of Pittsburgh, USA*

Avzal@rambler.ru

Relevance. When calcium-phosphorus metabolism is disrupted, alkaline phosphatase is an enzyme that determines the intensity of bone tissue remodeling processes. Thus, thanks to a comparative assessment of treatment methods, it can be noted that the “one two three” complex is more effective in restoring the components of mineral metabolism in the blood, helps maintain the required level of calcium and phosphorus in the blood

The purpose of the study is to quantify the bone isoenzyme alkaline phosphatase in blood serum to determine the intensity of the remodeling processes.

The object of the study was the results of examination and treatment of 90 female patients of menopausal age from 45 to 65 years (± 51.6 years) who sought orthopedic dental care. This contingent of patients with partial secondary adentia, requiring orthopedic treatment based on dental implants, were divided into the following groups

Both groups were divided into subgroups depending on the treatment method:

A-subgroup of patients receiving traditional treatment with prosthetics supported by dental implants

B-subgroup of patients receiving special treatment for prosthetics supported by dental implants, taking a vitamin-mineral complex

The control group consisted of 30 patients with intact dentition or dentition restored with a fixed structure, without a history of mineral metabolism disorders, cardiovascular or endocrine diseases.

In order to characterize the metabolic state of skeletal bone tissue and the intensity of remodeling, we studied the level of alkaline phosphatase in the blood plasma.

Table 1. Values of the studied indicators of mineral metabolism and markers of bone remodeling in the blood, obtained before the start of taking the complex of drugs and before dental implantation.

Groups	I	II	Control group
alkaline phosphatase	24,1	25,7	22,0

One of the equally important indicators that allows us to determine the activity of bone tissue metabolism is the bone isoenzyme of alkaline phosphatase, which is produced by osteoclasts and takes part in the maturation and mineralization of the intercellular substance of bone tissue. According to the data obtained, the average value of this marker in the blood was 21.1 units/l in patients of group I and 20.7 units/l in patients of group II, which is higher than the average value in the control group (22.0 units/l). Percentage differences also indicate some variability between groups and a deviation from the data obtained in the control group - in group I by 9.55% and in group II by 16.8% higher.

Conclusion: An increase in alkaline phosphatase with a concomitant disturbance of calcium-phosphorus metabolism and increased secretion of PTH indicates pathological changes in bone tissue metabolism, because The bone isoenzyme alkaline phosphatase is produced by osteoclasts, the main participants in bone tissue resorption.

Literature Sources

1. Акбаров А. Н., Тиллаходжаева М. М. Оценка эффективности ортопедического лечения с применением дентальных имплантатов у больных системным остеопорозом //Conferences. – 2023. – №. 1 (90). – С. 66-70.
2. Акбаров А. Н., Тиллаходжаева М. М. Оценка эффективности ортопедического лечения с применением дентальных имплантатов у больных системным остеопорозом //Conferences. – 2023. – С. 23-24.
3. Хабилов Б. Н., Тиллаходжаева М. М. Изучение жевательной эффективности при ортопедическом лечении частичной потери зубов //Conferences. – 2022. – С. 141-142.

ОРАЛЬНЫЕ ПРОЯВЛЕНИЯ, СВЯЗАННЫЕ С ХБП И ЕЕ ТЕРАПИЕЙ.

Аkbаров Авзал Нигматуллаевич д.м.н профессор кафедры факультетской ортопедической стоматологии при ТГСИ. Avzal@rambler.ru

Шоахмедова Комола Назруллаевна доцент кафедры факультетской ортопедической стоматологии при ТГСИ. kshoahmedova@mail.ru

По некоторым данным, распространенность поражений полости рта при ХБП составляла 90-100%. Выявлена взаимосвязь между поражениями полости рта и концентрацией мочевины в крови у пациентов с заболеваниями почек: кандидоз (12,5 ммоль/л), галитоз (12,1 ммоль/л), ксеростомия (11,6 ммоль/л), пародонтит (9,4 ммоль/л). Средняя концентрация мочевины в крови у пациентов с ХБП была выше по сравнению со здоровыми лицами без поражений полости