The change at HAZ and the before treatment fractures rate per year ($r:0.57$; $p=0.07$) were directly proportional. Also, the change at HAZ was inversely proportional to the before treatment Z-score ($r: -0.53$; $p=0.09$) and the BF starting age ($r: -0.53$; $p: 0.09$).

The decrement of fractures rate per year showed a statistical significant relationship with BMI percentile ($r:0.48$; $p=0.08$), the treatment starting age ($r:-0.537$; $p=0.05$) and before treatment fractures rate per year ($r:0.941$; $p<0.001$).

Three patients experienced adverse effects (20%). Three related to zoledronate use: two of them showed flu-like syndrome after first infusion and the other asymptomatic hypocalcemia. In another patient the treatment with alendronate was ended due to gastrointestinal intolerance. There was not significant relationship between adverse effects and our study variables.

Two patients died during the treatment due to their underlying disease complications.

Conclusion: BF are an effective medication for SO. The treatment outcome exhibits to be better with a good nutritional status, younger age and at more severe forms of the disease. Additionally, they are safe showing just minor adverse effects but often.

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AB0846 OSTEOPOROSIS IN MEN

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Background: Careful attention to postmenopausal osteoporosis (OP) leads to an underestimation of this problem in men.

Objectives: To assess the frequency of bone mineral density reduction (BMD) in men referred for examination, analysis of bone mineralization disorders in men at different age periods, the main reasons for referral for examination.

Methods: During the year, a two-energy X-ray absorption osteodensitometry (LUNAR XP, USA) was examined by 2,731 patients according to a standard program.

Results: Among the 2731 patients referred for examination, the proportion of men is 5%, men over 60 years old are 2%, male children and teenagers are 0.29%. Normal BMD was detected in 31.88%, low bone mass (LBM) - in 39.86%, OP - in 28.26%.

60.14% (83 people) - men of young and middle age, NCM was detected in 33 men, OP - in 14. In 8 - severe form. Reduced BMD patients revealed the presence of serious underlying disease (ankylosing spondylitis, rheumatoid arthritis (RA), systemic lupus erythematosus, diabetes mellitus I type, diffuse toxic goiter disease operated stomach, ulcerative colitis, chronic autoimmune hepatitis and alimentary toxic hepatitis with outcome in cirrhosis of the liver, bronchial asthma (BA), alveolitis.

Elderly and senile men among the surveyed were 55 people (39.86%), LBM - in 22 of them, OP - in 25. Low traumatic fractures in the anamnesis in this group of patients were detected in 13 of 55. In 6 - multiple vertebral fractures, in 2 - multiple repeated fractures of tubular bones. Secondary causes of a decrease in BMD were detected only in 5 out of

55 (9.09%) men aged 60 years and older (RA, BA, idiopathic alveolitis, liver cirrhosis; all currently or with a history of glucocorticoid therapy). Normal BMD was detected in 44 men. Up to 59, their number was 36 people (81.8%), 60 years and older - only 8 (18.2%). The majority of men with normal BMD indices were sent for examination by dentists, endocrinologists, orthopedic traumatologists. 5 adolescents with BMD in accordance with normal age criteria BMD had repeated traumatic bone fractures in history (fractures during sports (wrestling, football)).

Conclusion: Unlike women, men do not pay enough attention to the prevention of OP, often use dairy products in limited quantities, do not take calcium preparations for prophylactic purposes. A high percentage of the population is characterized by low physical activity. Men more often than women abuse alcohol and smoking.

OP occurs without obvious clinical manifestations until the moment of fracture of the skeleton bones, primary care physicians and hospitals have low alertness for the detection of OP in men. FRAX (fracture risk assessment tool) makes it easy to calculate the probability of a 10-year risk of fractures and identify men at high risk for further examination. The urgency of the problem is due to the increase in the average life expectancy of a modern person.

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AB0847 INCIDENCE RATES OF OSTEOPOROSIS(OP) RISK FACTORS IN A LARGE URBAN LONDON BOROUGH

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Background: Identification of osteoporosis risk factors(OPRFs) is a necessary part of assessing fracture risk and treating patients with OP. Incidence rates of OPRFs are variably reported in the literature. Patients seen in OP clinics tend to have a higher risk of fractures compared to those managed in primary-care hence the need for closer scrutiny of their OPRFs. In some instances, managing modifiable OPRFs may form the principle part of the patient's management plan.

Objectives: We examined the rates of OPRFs in patients attending the Bone Health Clinic at Croydon Health Services NHS Trust.

Methods: Retrospective review of OP patients seen between February-June 2018 at Purley Memorial Hospital and assessed for presence of OPRFs including: demographics,BMI,early menopause,late menarche,nulliparity,secondary medical conditions,medicines,family history of OP/parental hip fracture,recurrent falls,previous fragility fractures(FFs) and lifestyle OPRFs(smoking,alcohol,low calcium intake,sedentary).

Results: 201 patients were included. Mean age was 70-years-old (range:37-96), with approximately 9:1 female:male ratio. Mean BMI was 23(normal) with approximately 20% being <18.5(underweight). 25.5%(46/180-females) experienced an early menopause(<45-years) but only 8.3%(15/180) had late menarche(>16years). Of the 25.5% with early menopause, only 13%(6/46) had been offered HRT. 17% of women were nulliparous. Of the medical conditions, thyroid disease was the most commonly reported(18%) with a third of these being newly diagnosed in clinic. Coeliac was identified in 7.5% with 5% newly diagnosed. 2% had newly diagnosed haematological disorders (MGUS,Myeloma,Lymphoma). Only 8 patients had 2-or-more diagnoses at the same time. Almost 40% had a family history of OP, 19% history of parental hip fracture and 15% had both. The majority 66.7%(134/201) had experienced a previous FF with 36% having suffered 2 or more. 16%(32/201) had experienced