PRELIMINARY RESULTS OF A PROSPECTIVE RANDOMIZED STUDY ON THE EFFECT OF PARATHYROIDECTOMY IN ASYMPTOMATIC PRIMARY HYPERPARATHYROIDISM

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This 2-year, prospective, randomized study compares the effects of parathyroidectomy (PTX) vs follow-up in patients with asymptomatic primary hyperparathyroidism (PHPT) who don't meet the NIH 1991 criteria for surgery. The primary endpoint was the change in lumbar spine BMD. Secondary endpoints were: changes of BMD at hip and forearm, bone turnover markers, quality of life and echocardiographic da a. Complications of surgery and progression of PHPT in the untreated group were evaluated. 45 von enable 4 men have been enrolled: 24 underwent PTX and 25 were not treated. We report the results in 40 patients who completed the one-year follow-up. In the PTX group lumbar spine and hip 3MD increased after one year by 4.3% and 2.2%, whereas in the untreated group they decleased by 1.3% and 2.3%, respectively. The % changes were significantly different between the live group is (p<0.005 at both sites). No significant changes in psychological and echocardiografic parameter. were observed. Seven of the 21 untreated patients had apple are use of at least one of the IIIH priteria for PTX: worsening of hypercalcemia (n=1), hypercalcuria (n=4), rephroliticals (n=1), orearm Z-score below -2 (n=2) and clinical vertebral fracture (n=1). No complications of the urger viere observed. In conclusion, the PTX significantly improved 2MD at lumbar spine and an introduced patients compared to untreated ones, and conservative follow-up vias associated with a progression of the disease in one third of patients.

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