



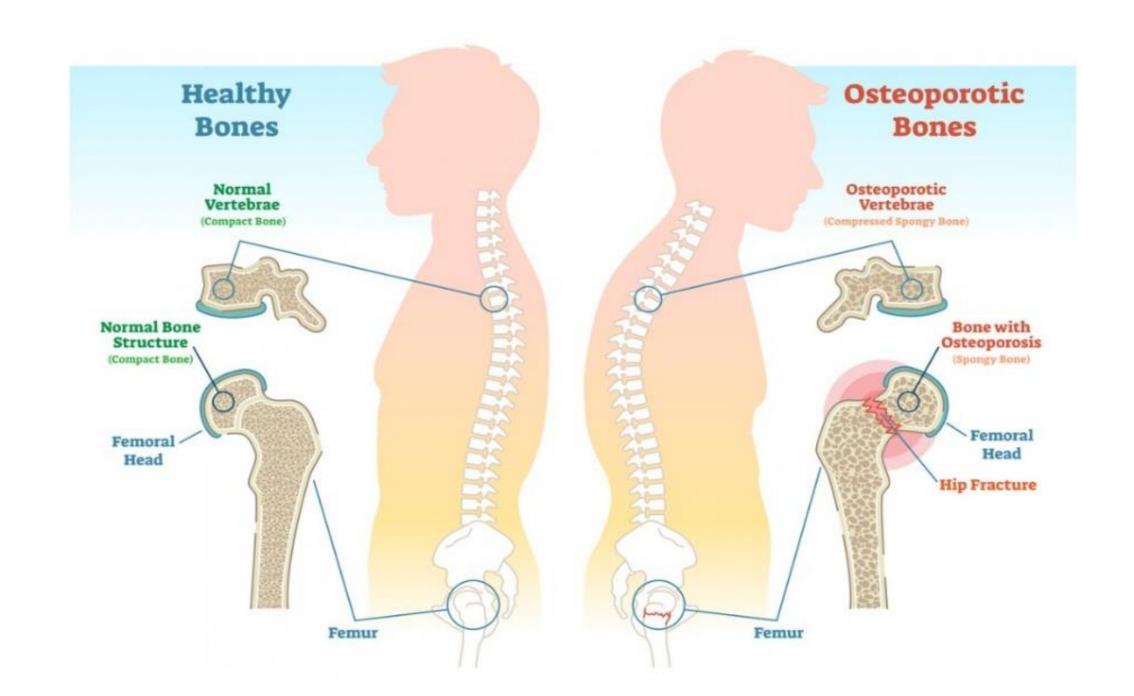


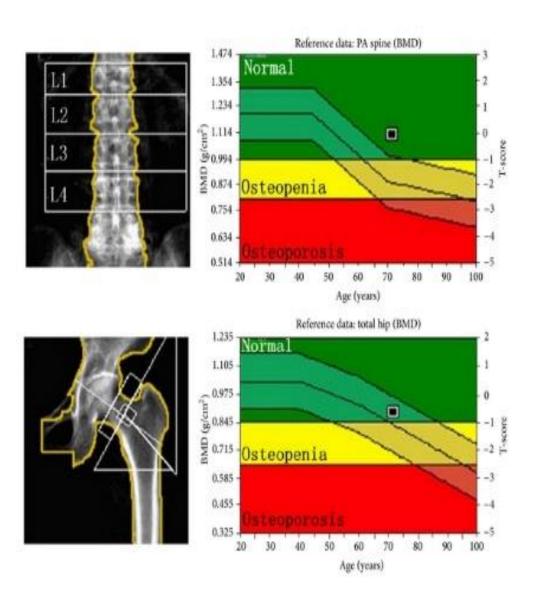
# Treatment of osteoporosis with Teriparatide (FORTEO)

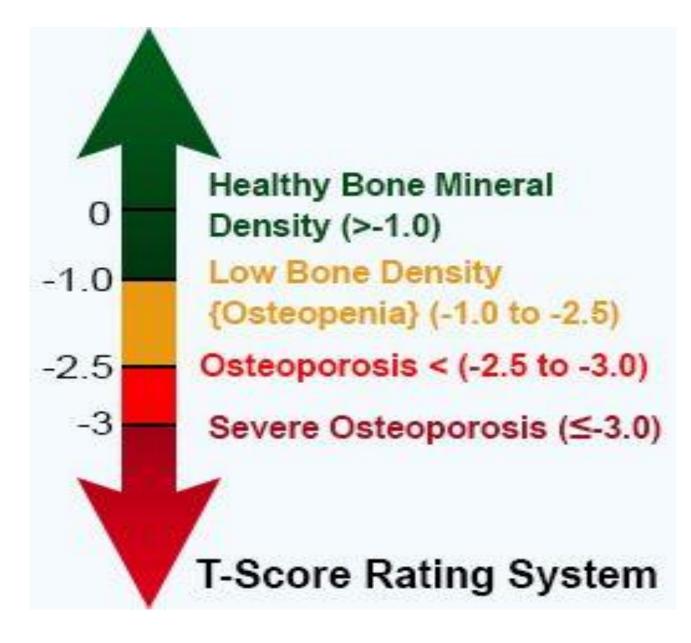
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## Presented by

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Teriparatide (Forteo ) an osteoanabolic is recombinant human parathyroid

hormone analog (1-34), [rhPTH(1-34)]

- > Stimulate osteoplasts function
- > Increased gastrointestinal calcium absorption
- ➤ Increases renal tubular reabsorption of Ca+
- > enhances bone turnover by initiating greater bone formation

it's an injection subcutaneous of 20 ug /day durinig 18 -24 months

## **Teriparatide (Forteo )**

#### **Indications for treatment are:**

- postmenopausal osteoporosis (PMO)
- corticoid-induced osteoporosis (CIO)
- > severe osteoporosis.
- Presence of a risk fracture 's factor
- Increase of bone mass in men with primary or hypogonadal osteoporosis.

## **Teriparatide (Forteo)**

#### **Therapeutic Efficacy Criteria:**

- > no fracture Under treatment
- ➤ BDM control absence of bone loss 0,03g/cm2 or more, and T scors more than 2,5

## **Objective:**

this work is to study the clinical profile of patients with osteoporosis treated with forteo.

#### **Methods:**

4-year prospective study, we collected 18 patients 17 women and 01 men with osteoporosis and treated with forteo, the average age is 56 years

#### **Inclusion criteria are:**

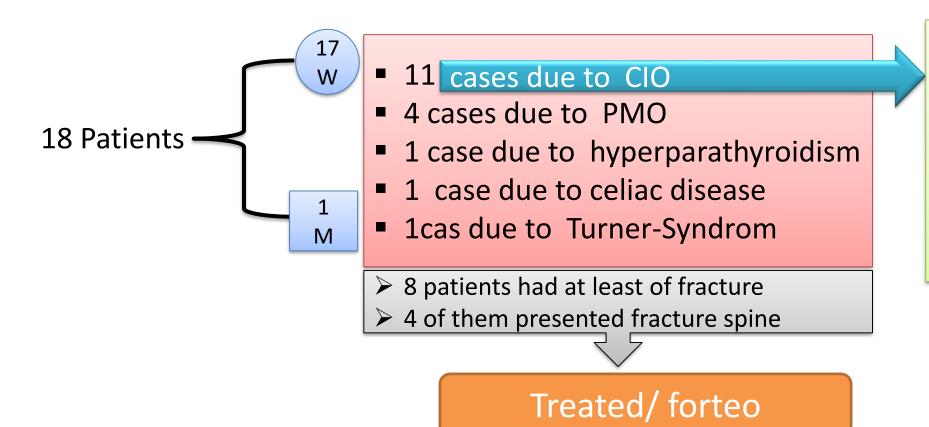
- > Bone densitometry for diagnosis osteoporosis( T-score)
- Lateral x-rays of thoracic and lumbar spine based vertebral fracture assessment (In our practice for osteoporosis evaluation we used the Genant semiquantitative approach)
- ➤ Pre Therapeutic biological assessment liver function test , kidney function test, phosphate , calcium, vit D level

#### **Exclusion criteria are**

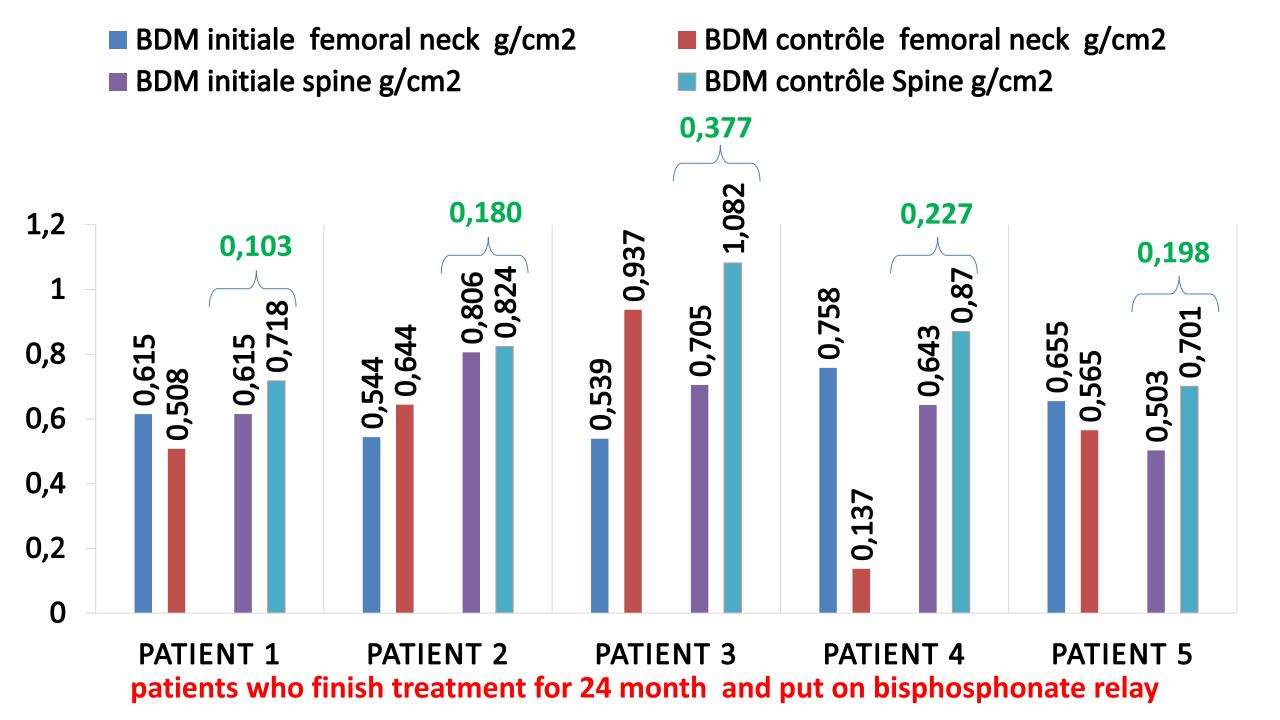
- glomerular filtration rate 30 ml / min
- pregnancy
- hyperparathyroidism
- paget disease
- malignant bone tumors
- history of skeletal radiation therapy
- child under 18

lateral x-ray showing previously unrecognized thoracic spine fractures of a 79 year old patient with postmenopausal osteoporosis

## Results



- 5 RA
- 1 gougerot-sjogren syndrome
- 1 Churg-Strauss syndrome
- 1 horton
- 2 cas of scleroderma
- 1 SLE



#### **Conclusion**

The majority of our patients treated by forteo have a severe osteoporosis complicated with fractures; the Treatment of osteoporosis with forteo to reduce the risk of vertebral and peripheral fractures, but not of the hip.

## Thank you for your attentions