

英文医学课件资料： osteoporosis

xx年xx月xx日

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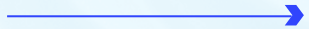
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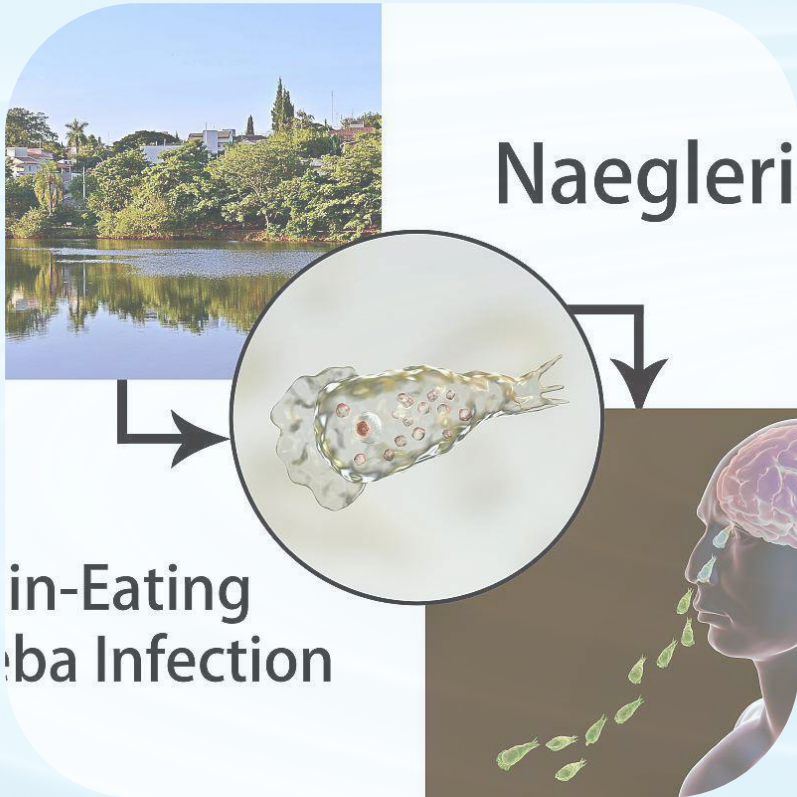
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Introduction to Osteoporosis





Definition of Osteoporosis



Bone disease characterized by decreased bone mass and strength, with a high risk of fracture.

Usually occurs in postmenopausal women and elderly people.



Classification of Osteoporosis



Type I osteoporosis

Postmenopausal osteoporosis, occurs in women after menopause.



Type II osteoporosis

Age-related osteoporosis, occurs in elderly people.



Type III osteoporosis

Secondary osteoporosis, caused by other diseases or medications.



Causes of Osteoporosis

Genetic factors

Family history of osteoporosis increases the risk.

Gender and gender...

Women are at higher risk after menopause and women who have lower levels of estrogen are more susceptible.

Other factors

Age, race, body size, smoking, alcohol consumption, lack of exercise, and inadequate calcium intake also increase the risk.



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Pathogenesis and Pathology of Osteoporosis



Pathogenesis of Osteoporosis

Non-genetic factors

These include age, gender, race, menopause, low weight, and other factors related to lifestyle or environment.

Genetic factors

Osteoporosis is strongly influenced by genetics, with 60-80% of the risk being determined by genetics. Mutations in over 180 genes have been identified to cause osteoporosis.

Pathology of Osteoporosis

Bone loss

Microarchitectur...

Bone remodeling



Imaging Features of Osteoporosis

Quantitative computed
t...

Magnetic resonance
imag...



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Clinical Manifestation and Diagnosis of Osteoporosis

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