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Osteoporosis Model for Patient and Medical Education

Atlanta, GA, August 2009 –Osteoporosis is the thinning of bone tissue and loss of bone density over time. Researchers have estimated that about one in five women over 50 years old have osteoporosis. Building a foundation of understanding about osteoporosis is crucial to supporting healthy bones and living well on a day-to-day basis.

Ideal for medical studies and patient consultation, the Osteoporosis Model uses thoracic vertebrae to compare osteoporotic and normal bone. The upper vertebra is divided in the middle and attaches magnetically. The exposed surfaces make it easy to visualize the collapse of the bony substance over time. Reproductions of two healthy vertebrae are provided on the right side for comparison. To further illustrate the effects of this degenerative disease two detail illustrations on the base depict 3D micro CT images obtained from actual bone biopsies.

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