

Bone Mineral Density - An Overview

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The density and strength of bones change over time. The technologies to measure the amount of bone mineral are discussed and the "gold standard" approach to measuring bone mineral density with dual energy x-rays is presented in detail.

Since the result of a BMD exam is basically a "number", the importance of precision in relation to the small changes induced by the pharmacological therapies is examined. The concepts "Least Significant Change" and "Shewhart Charting" in relation to determining precision and maintaining machine precision are covered in this talk.

This lecture is presented in high quality video with diagrams, charts and graphs. This learning activity includes a series of questions providing learners the opportunity to assess their knowledge prior to completing a short, online quiz. Upon finishing the quiz, learners will receive an OAMRT Certificate of Completion.

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