Breast Cancer and Bone: Win or Lose?

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Educational Objectives:

At the end of the presentation, the participant will be able to:

- Discuss basic bone physiology and turnover.
- Discuss the link between breast cancer and bone.
- Identify risk factors for osteoporosis among patients treated for breast cancer.
- Discuss current treatment strategies to minimize bone loss during breast cancer treatment.
- Identify breast cancer survivors at high risk for osteoporosis and osteoporotic fractures.
- Discuss bone health management for breast cancer survivors.

Outline

1. Introduction/Background
   - Impact of Breast Cancer
   - Facts about Osteoporosis
     - Normal bone physiology and turnover
   - Link between Breast Cancer and Osteoporosis
2. Cancer treatments and bone loss
   - Chemotherapy
   - Aromatase inhibitors
   - Gonadotropin-releasing hormone agonists
3. Current Guidelines for bone health and breast cancer
   - T-score based
   - Risk-analysis more effective
   - Adjuvant bone-sparing medications
4. Practical Strategies for breast cancer survivors
   - DXA scan
   - Fracture risk stratification
   - Identifying secondary causes for bone loss
   - Treatment options
   - Long-term surveillance
5. Breast cancer and bone: the UAB experience
   - Case study #1
   - Case study #2
Select References:


