Trends Of Use Of Bisphosphonates In Children With Secondary Osteoporosis

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Background
It was thought that osteoporosis is adults’ health problem; however, recently an attention to childhood and adolescence low bone density has been increased. The only medication that can be used to improve bone mass is with anti-resorptive therapy with bisphosphonates. However, there is still limited evidence based for the use of bisphosphonates (BP) in children with secondary osteoporosis.

Objectives

Methods
Data were gathered from a combination of a clinical and pharmacy database. Results reported as median (range).

Results
This is the first audit of the use of bisphosphonates in childhood secondary osteoporosis and shows:

1. The number of children commenced on bisphosphonates therapy is increasing over the last 12 years.
2. Challenges in monitoring children with significant disability
3. Despite improvement in DXA bone mineral content, vertebral reconstitution was not seen in those with vertebral fractures.

Conclusion
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2. Challenges in monitoring children with significant disability
3. Despite improvement in DXA bone mineral content, vertebral reconstitution was not seen in those with vertebral fractures.