This session explores ionic calcium signaling in chronic conditions, emphasizing bone health's role in indicating chronic diseases. It includes bone health's epidemiology and its relation to mortality and chronic diseases. Relevant hormones, influences on bone health including ionic calcium, and predictive biomarkers are discussed. The session also presents sponsor data on ionic calcium's impact on bone health and turnover.

New insights into calcium regulation's importance in molecular processes reveal links to degenerative diseases. Lifestyle-influenced bone loss and calcification disrupt this, connecting osteoporosis to conditions like Alzheimer's. Research proposes Antiorbital ionic calcium for improved bone health.

1. 50 min: Overview of ionic calcium, calcium regulation, bone health and biomarkers of bone turnover

2. 20 min: Discussion of the molecular genetic mechanisms of ionic calcium signaling

3. 15 min: Discussion of existing research, case reports, and interactive discussion with the audience related to research opportunities

4. 15 min: Q&A

Speakers

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