

## From the Editor-in-Chief

The Editor's desk at *Clinical in Mineral and Bone Metabolism* (CCMBM) receives a flow of articles, addressed to develop and revitalize scientific education in the area of bone and mineral metabolism with a focus on the interactions between metabolists and orthopaedic surgeons.

In this issue of *CCMBM* we have brought together reports on different areas of metabolic bone disorders and of orthopaedic science.

Cecilia Romagnoli et al. present an original article on the effects of strontium chloride on human periodontal ligament stem cells.

Heterometry correction of lower limbs in osteoporosis is presented by Elisa Pratelli et al.

Grafting and fixation of proximal humeral aseptic non union fractures is described by Giuseppe Rollo et al. in a prospective case series.

Raoul Saggini et al. discuss the combined treatment with focused mechano-acoustic vibration on bone mineral density and muscle fibrous in postmenopausal women.

Four mini-reviews describe: hypothyroidism as a risk factor for periodontitis (by Nermin M. Yussif et al.); surgical management of hip fractures in children with cerebral palsy (by Giuseppe Toro et al.); atypical femur fractures in hypophosphatasia (by Francesca Marini and Maria Luisa Brandi); and pitfalls in interventional studies in osteoporosis (by Mohammad Shafi Kuchay et al.).

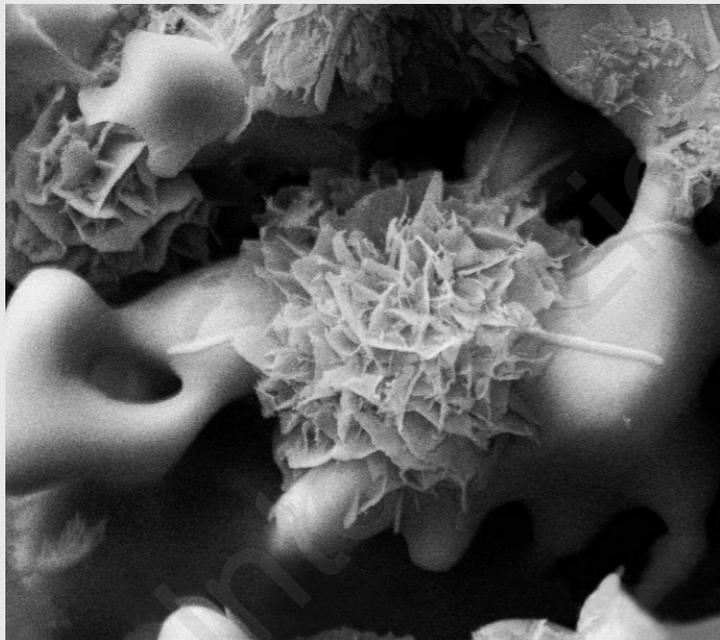
Nine case reports describe unique cases in mineral and bone metabolism: secondary aneurysmal bone cyst in McCune-Albright Syndrome; actual reason for bone fractures in Osteogenesis Imperfecta: calcitriol-mediated hypercalcemia secondary to granulomatous disease caused by soft-tissue filler injection; adult-onset hypophosphatasia diagnosed following bilateral atypical femoral fractures; neonatal severe hyperparathyroidism secondary to a novel homozygous CASR gene mutation; glomus tumor as a cause of oncogenic osteomalacia; femur shaft fracture following osteoid osteoma radiofrequency ablation; subtrochanteric femoral stress fracture with features of atypical femoral fracture in Paget's disease; Gaucher's disease and the challenge of nonunion after osteosynthesis of the clavicle.

As always, *CCMBM* cares sole responsibility for all editorial content and peer-review.

We hope this comprehensive and lively package will give you food for thought, and help you make up your own opinion on these important presented issues.

At *CCMBM*, we are always trying to enhance your interest in the management of mineral and skeletal disorders. Do not hesitate to send any comments and suggestions about *CCMBM* to [marialuisa.brandi@unifi.it](mailto:marialuisa.brandi@unifi.it).

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Mesenchymal stem cells grown on phosphocalcic biomaterial (10,000X).

**Maria Luisa Brandi, M.D., Ph.D.**