



## Sunday 10:00-10:30

### ePoster Screen 1

Moderator: *Nadia Amin (Leeds, UK)*

- LB10** Effects of long-term sedentary behaviour on the cortical bone mass and distribution during growth: The HAPPY bone Study  
*Rachel L Duckham (Burwood, Australia)*
- LB8** Breech presentation is associated with neonatal and early childhood deficits in bone mass and size  
*Alex Ireland (Manchester, UK)*
- P023** Tracking differences in morphology and regulation between the spine and long bones in a pig model  
*Adalbert Raimann (Vienna, Austria)*
- P004** Bone mass tracks into teenage years  
*Maria Rønne (Odense, Denmark)*

### ePoster Screen 2

Moderator: *Elisa Holmlund-Suila (Helsinki, Finland)*

- LB11** Bone health status as measured by DXA and pQCT in Indian children with thalassemia major  
*Rubina Mandlik (Pune, India)*
- LB5** Role of type III sodium/phosphate co-transporters in the responsiveness of osteoblasts to extracellular inorganic phosphate  
*Toshimi Michigami (Izumi, Japan)*
- P065** A novel form of congenital rickets due to a recurrent gain of function mutation in CYP3A4  
*Christine P. Rodda (St Albans, Australia)*
- P048** A rare cause of rickets  
*Sophia Sakka (Birmingham, UK)*

### ePoster Screen 3

Moderator: *Rebecca Moon (Southampton, UK)*

- LB14** P4HB recurrent missense mutation causing Cole-Carpenter syndrome: exploring the underlying mechanism  
*Meena Balasubramanian (Sheffield, UK)*
- P114** Rare copy number variants in array-based comparative genomic hybridization in early-onset skeletal fragility  
*Alice Costantini (Stockholm, Sweden)*
- P118** Genome-wide association study identifies five novel genetic determinants of dental maturation  
*Olja Grgic (Rotterdam, The Netherlands)*
- P108** Genetic transmission of osteogenesis imperfecta type V by a healthy mosaic carrier father: Elisabeth Steichen-Gersdorf (Innsbruck, Austria)

### ePoster Screen 4

Moderator: *Sonja Soininen (Kuopio, Finland)*

- P064** Extensive periosteal new bone formation secondary to copper deficiency in a 2 year-old boy with arterial tortuosity syndrome  
*Sasigarn Bowden (Columbus, USA)*
- P061** Renal tubular acidosis with an elevated urinary b-2 microglobulin in a boy presenting with sporadic hypophosphataemic rickets and intellectual disability (Dent's disease)  
*Justin Brown (Clayton, Australia)*
- P068** Craniosynostosis can occur in children with nutritional rickets  
*L Forestier-Zhang (London, UK)*
- P087** Cranial synostosis and Chiari 1 malformation in x-linked hypophosphatemic rickets  
*Anya Rothenbuhler (Le Kremlin Bicêtre, France)*

## Sunday 16:30-17:00

### ePoster Screen 1

Moderator: *Maria Rønne (Odense, Denmark)*

- P070** The abnormally high and heterogeneous bone matrix mineralization after childhood solid organ transplantation is not further increased by bisphosphonate treatment  
*Nadja Fratzl-Zelman (Vienna, Austria)*
- LB15** Consensus paper - physiotherapy in children with OI  
*Oliver Semler (Cologne, Germany)*
- P042** Osteogenesis imperfecta type VI presenting as suspected physical abuse – a report of two cases  
*Sivagamy Sithambaram (Sheffield, UK)*
- P030** Outcomes of zoledronic acid use in paediatric conditions  
*Margaret Zacharin (Melbourne, Australia)*

### ePoster Screen 2

Moderator: *Alex Ireland (Manchester, UK)*

- P148** Muscle density measurement in muscular dystrophy  
*Susanne Bechtold (Munich, Germany)*
- P149** Exploratory analysis of bone microarchitecture, bone marrow fat and skeletal muscle metabolism in children with hypophosphatemic rickets  
*Adalbert Raimann (Vienna, Austria)*
- P142** Walking within 12 months of age is related to higher whole body lean mass and bone mineral density in children at 3 years of age  
*Hope Weiler (Ste Anne de Bellevue, Canada)*

# Moderated ePosters



P037 Early fragility fractures in Zellweger Syndrome Spectrum – peroxisome dysfunction affecting osteogenesis?  
*Christine Burren (Bristol, UK)*

## ePoster Screen 3

*Moderator: Mary Scott Ramnitz (Bethesda, USA)*

P128 Growth and clinical outcome in a 16 year-old male with childhood hypophosphatasia after one year therapy with asfotase alfa  
*Sasigarn Bowden (Columbus, USA)*

P135 Continuous subcutaneous PTH infusion in autosomal dominant hypocalcaemia  
*Evelien Gevers (London, UK)*

P125 Identification and characterization of a novel microRNA inhibiting osteoblast functions by suppressing actin polymerization  
*Aijaz Ahmad John (Lucknow, India)*

P124 The treatment of hyperphosphatemic familial tumoral calcinosis  
*Karine Khatchadourian (Ottawa, Canada)*

## ePoster Screen 4

*Moderator: Heidi Kecskemethy (Wilmington, USA)*

P153 Vitamin D intake and status in children 2-18 years: a meta-analysis  
*Neil Brett (Notre-Dame-de-L'île-Perrot, Canada)*

P161 Early-life vitamin D status and bone mass at five years in a prospective birth cohort study  
*Carol ní Chaoimh (Cork, Ireland)*

P158 Early-life vitamin D status and bone mass at five years in a prospective birth cohort study  
*Carol ní Chaoimh (Cork, Ireland)*

P163 Vitamin D insufficiency and inadequate bone mineral status in newcomer immigrant and refugee children in Canada  
*Ginny Lane (Saskatoon, Canada)*

## Monday 10:30-11:00

### eEPooster Screen 1

*Moderator: Gareth Penman (Sheffield, UK)*

P151 Characterisation of skeletal developmental in mouse models of Duchenne muscular dystrophy  
*Claire Wood (Edinburgh, UK)*

P006 Bone density and body composition in post-pubertal adolescents treated with GnRH analogues in a gender identity development service  
*Xanthippi Tseretopoulou (Leeds, UK)*

P013 Longitudinal evaluation of bone mass, geometry and metabolism in adolescent male athletes. The PRO-BONE study  
*Dimitris Vlachopoulos (Exeter, UK)*

P014 Longitudinal changes on bone mineral content and bone stiffness in adolescent male athletes: the PRO-BONE study  
*Dimitris Vlachopoulos (Exeter, UK)*

## ePoster Screen 2

*Moderator: Alice Costantini (Stockholm, Sweden)*

P107 A case of a novel de novo PLS3 deletion, presenting with vertebral fractures and mild dysmorphism  
*Artemis Doulgeraki (Athens, Greece)*

P181 Generalized arterial calcinosis of infancy: a case of a new mutation with central nervous system involvement and good response to bisphosphonates  
*Artemis Doulgeraki (Athens, Greece)*

P063 Effects of KRN23, a fully human anti-FGF23 monoclonal antibody, on functional outcomes in children with x-linked hypophosphatemia (XLH): results from a randomized, open-label phase 2 study  
*Erik Imel (Indianapolis, USA)*

P066 Unusual presentation of acquired hypophosphataemic rickets  
*Kebashni Thandrayen (Johannesburg, South Africa)*

## ePoster Screen 3

*Moderator: Sophia Sakka (Birmingham, UK)*

P136 Preliminary results for a ramping model of pamidronate administration  
*Alyssa Givens (Wilmington and Newark, USA)*

LB13 Low dose of intravenous pamidronate therapy in quadriplegic children with osteoporosis  
*Jieun Lee (Incheon, Republic of Korea)*

P126 A case of severe reaction following the use of bisphosphonates in a patient with osteogenesis imperfecta  
*Julie Park (Liverpool, UK)*

P134 Improvement in spinal involvement with zoledronic acid in pediatric patients with chronic recurrent multifocal osteomyelitis: a case series  
*Marie-Eve Robinson (Montreal, Canada)*

# Moderated ePosters



## EPoster Screen 4

*Moderator: Antonio Maurizi (L'Aquila, Italy)*

P168 Cortico-cancellous bone allografting in treatment of children with orthopedic diseases  
*Leanid Hlazkin (Mogilev, Belarus)*

LB2 The regulation of Smpd3 expression in skeletal tissues and its role in fracture healing  
*Garthiga Manickam (Saint Laurent, Canada)*

P172 Bone health at 11-12 years, physical activity and sedentariness: a cross-sectional Australian population-based study  
*William Osborn (South Yarra, Australia)*

P184 Physical activity and health-related quality of life in patients with chronic non-bacterial osteomyelitis – pilot and model project in a rare inflammatory bone disease  
*Julia Nentwich (Würzburg, Germany)*

## Monday 15:30-16:00

### ePoster Screen 1

*Moderator: Carolina Medina-Gomez (Rotterdam, Netherlands)*

P039 Cystinosis deficiency affects bone phenotype  
*Giulia Battafarano (Rome, Italy)*

P034 Identification of bone remodelling alterations in Gorham-Stout disease  
*Michela Rossi (Rome, Italy)*

P054 The influence of immune dysregulation on bone metabolism in children with inflammatory bowel disease: the potential for bone as a secondary lymphoid organ  
*Gareth Penman (Sheffield, UK)*

LB9 The cellular immune response in children with inflammatory bowel disease may mediate their low bone mineral density: a pilot study  
*Gareth Penman (Sheffield, UK)*

### ePoster Screen 2

*Moderator: Fawaz Alqahtani (Sheffield, UK)*

P099 Bone strength and microarchitectural deficits in children with cystinosis  
*Andrew Burghardt (San Francisco, USA)*

P077 The role of bone age in the evaluation of trabecular bone score (TBS) of children and adolescents 5 to 19 years old  
*Miguel Angel Guagnelli (Cuauhtemoc, Mexico)*

P097 Evaluation of the use of body quantitative computed tomography for the assessment of the tibia in children with neurofibromatosis 1  
*Alex Ireland (Manchester, UK)*

P094 Bone health assessment in children with thalassaemia major  
*Sophia Sakka (Birmingham, UK)*

## ePoster Screen 3

*Moderator: Dimitris Vlachopoulos (Exeter, UK)*

LB3 Mediating effect of muscle on the relationship of physical activity trajectories and bone outcomes: The Iowa Bone Development Study  
*Fátima Baptista (Lisboa, Portugal)*

P150 DXA based evaluation of the bone mass and body composition in a group of Romanian cystic fibrosis children  
*Carmen Gabriela Barbu (Bucharest, Romania)*

P190 Development of an in vitro model of cancer stem cells from a rare human telangiectatic osteosarcoma  
*Gaia Palmi (Florence, Italy)*

P200 The platform of expertise for rare diseases Paris-Sud: an innovative model for gathering reference centers and improving care for rare diseases  
*Alessia Usardi (Le Kremlin Bicêtre, France)*

## ePoster Screen 4

*Moderator: Neil Brett (Montreal, Canada)*

P199 Validation of questionnaire for measurement of sunlight exposure in children from Pune, India  
*Rubina Mandlik (Pune, India)*

P185 Effects of vitamin D with calcium supplementation or zinc supplementation on the incidence of infections in school children: a randomized controlled trial  
*Rubina Mandlik (Pune, India)*

P188 Paradoxical response of serum parathyroid hormone concentration in response to vitamin D and calcium supplementation in undernourished Indian children  
*Rubina Mandlik (Pune, India)*

LB16 Implementing an osteoporosis disease management program: What works and what doesn't work  
*Kathy Williams (Claremont, USA)*