P1
Abstract withdrawn

P2
The assessment of bone regulatory pathways in children with malignant bone tumors
Jadwiga Ambroszkiewicz (Warsaw, Poland)

P3
PHEX, DMP1 and FGF23 mutations in a Malaysian hypophosphatemic rickets patient
Thilakavathy Karuppiiah (UPM Serdang, Malaysia)

P4
Bone turnover markers and bone mineral density after 12-month weight loss therapy in obese children
Joanna Gajewska (Warsaw, Poland)

P5
Vitamin D and decreased bone density in children
Antonio Bazarra-Fernandez (Culleredo, Spain)

P6
Bisphosphonate treatment of melorheostosis: A case report
Aysehan Akinci (Malatya, Turkey)

P7
History of meconium ileus affects bone health and body composition in young patients with cystic fibrosis
Artemis Doulgeraki (Athens, Greece)

P8
Body composition profile of patients with Duchenne muscular dystrophy living in a country with the obesity epidemic
Artemis Doulgeraki (Athens, Greece)

P9
Vitamin D supplementation can improve velocity of growth in children with vitamin D deficiency which are in treatment with RHGH for growth hormone deficiency
Corina Galesanu (Iasi, Romania)

P10
Infantile Blount’s disease: histopathologic changes in the proximal tibial metaphysis: Comparison between medial and lateral specimens
Freek Hollman (Maastricht, Netherlands)

P11
Effects of bisphosphonate for the development of scoliosis in children with osteogenesis imperfecta
Masafumi Kashii (Osaka, Japan)

P12
Elevated plasma c-terminal fibroblast growth factor (cFGF23), but not intact FGF23 (iFGF23) or soluble Klotho (sKl), is associated with left ventricular hypertrophy in pediatric chronic hemodialysis patients
Shweta Shah (Houston, USA)

P13
Galactosyltransferase-1 deficiency: a novel cause of bone fragility due to impaired proteoglycan synthesis
Rebecca Moon (Southampton, UK)
Accuracy of parental recall of children's lifetime fracture prevalence: implications for investigation of childhood osteoporosis
Rebecca Moon (Southampton, UK)

Fibrous dysplasia in McCune Albright Syndrome; treatment and follow up
Sukran Darcan (Izmir, Turkey)

Genotype in patients with osteogenesis imperfecta using a targeted exome sequencing: correlation with phenotype
Takuo Kubota (Suita, Japan)

MRI features as surrogate markers of X-linked hypophosphatemic rickets activity
Agnès Linglart (Le Kremlin Bicêtre, France)

A novel mutation in CYP24A1 gene in an infant with severe hypercalcemia and unique neurological presentation
Yael Levy-Shraga (Ramat Gan, Israel)

The role of body composition in the relationship between lifestyle factors and bone parameters of young children
Kate Ward (Cambridge, UK)

Bone mineral density in patients with autosomal recessive osteopetrosis after hematopoietic cell transplantation
Anna Petryk (Minneapolis, USA)

Efficacy of growth hormone therapy in short patients affected hypochondroplasia
Yukako Nakano (Osaka, Japan)

Racing to better bone health! A 6-month calcium and vitamin D randomised controlled trial in young male jockeys
Leslie Silk (Strathfield, Australia)

Relationship of Insulin like Growth Factor 1 and bone parameters in 7 to 16 year old apparently healthy Indian children
Neha Kajale (Pune, India)

Bone status of Indian children and adolescents with type 1 diabetes mellitus
Rubina Mandlik (Pune, India)

Sitting time has a stronger effect on bone than moderate plus vigorous activity
Teresa Binkley (Brookings, USA)

Effects of running bike use on bone quality in non-ambulant children with cerebral palsy: a pilot study
Elizabeth Bryant (Lewes, UK)
Bone mineral density and clinical outcome after intravenous bisphosphonate discontinuation in children with osteogenesis imperfecta
Sasigarn Bowden (Columbus, USA)

Year-round cord blood vitamin D concentrations in women from diverse ethnical backgrounds in a Mediterranean area in Spain
Miguel Angel Guagnelli (Barcelona, Spain)

Type 1 diabetes mellitus may predispose to lower bone mineral density through lower osteoblast signaling from increased levels of Dickkopf-1
Artemis Doulgeraki (Athens, Greece)

Whole-body MR imaging as diagnostic tool in children with Hereditary Multiple Osteochondromas
Heleen Staal (Maastricht, Netherlands)

Mineral metabolism in children with autosomal dominant polycystic kidney disease
Stéphanie De Rechter (Leuven, Belgium)

Characteristics of Malawian children undergoing corrective bone surgeries of rickets-like lower limb deformities
Vickie Braithwaite (Cambridge, UK)

In utero effects of iron status on infant fibroblast growth factor-23 and mineral metabolism
Vickie Braithwaite (Cambridge, UK)

Abstract withdrawn

Spinal muscular atrophy: another non-ambulatory population at risk for low bone mineral density
Heidi Kecskemethy (Wilmington, USA)

Bone mineral density, pubertal status and ability to walk are associated to fracture incidence in patients with Rett syndrome
Agnès Linglart (Paris, France)

Teriparatide following bisphosphonates in the treatment of osteoporosis in post-pubertal teenagers
Uri Alon (Kansas City, USA)

Serum 25-vitamin D level is lower in African American compared to Caucasian children
Uri Alon (Kansas City, USA)

Fracture and bone mineral density outcomes after bisphosphonate discontinuation in children with osteogenesis imperfecta treated with zoledronic acid compared to pamidronate
Sasigarn Bowden (Columbus, USA)

Painful hip in 19-months old represents an intertrochanteric fracture following a low energy injury
Peter Peev (London, UK)
P41 Percutaneously performed image-guided radiofrequency ablation for the treatment of a unifocal eosinophilic granuloma of the femur in a 16-year-old boy
Kyriakos Papavasiliou (Thessaloniki, Greece)

P42 Levels of vitamin D according to severity of motor function disorder and the level of bone mineral density in children with cerebral palsy
Jelena Zvekic-Svorcan (Novi Sad, Serbia)

P43 Effect of nutritional status on bone density in children with cerebral palsy
Rastislava Krasnik (Novi Sad, Serbia)

P44 Closed image-guided Vs. open biopsies in children with bone lesions. A retrospective review of 112 biopsies performed on 104 patients
Kyriakos Papavasiliou (Thessaloniki, Greece)

P45 Skeletal dysplasia with short stature and a Larsen-like phenotype due to a homozygous mutation in B3GAT3
Elisabeth Steichen-Gersdorf (Innsbruck, Austria)

P46 Evaluation of the use of a Dynamic Elastomeric Fabric Orthosis (DEFO) to improve truncal stability in a young child with osteogenesis imperfecta
Karen Edwards (London, UK)

P47 Ethnic and gender differences in metacarpal dimensions in black and white South African children from pre-puberty through adolescence
Ansuyah Magan (Johannesburg, South Africa)

P48 Bone mineral density, vertebral compression fractures and pubertal delay in patients with autosomal recessive epidermolysis bullosa
Moira Cheung (London, UK)

P49 Using high-resolution peripheral quantitative computed tomography (HRpQCT) to better understand the skeletal response to exercise
Lauren Edwards (Sheffield, UK)

P50 "Double Trouble": Duchenne muscular dystrophy and osteogenesis imperfecta in one patient - a case report
Milan Bayer (Hradec Králové, Czech Republic)

P51 Abstract withdrawn

P52 Association of dietary calcium intake and body fat with hypertension in Indian adolescents
Neha Kajale (Pune, India)

P53 Somatic COL1A1 mosaicism in a newborn with osteogenesis imperfecta
Eva González-Roca (Barcelona, Spain)
P54
Vitamin D overdose: Poor dosage guidelines for babies?
Daniela Peeva (London, UK)

P55
Abstract withdrawn

P56
Abnormal functional responses of osteoblasts to leptin in adolescent idiopathic scoliosis
Elisa Man Shan Tam (Hong Kong, Hong Kong)

P57
Fractures in infants - A population-based study over 15 years in Helsinki, Finland
Hilkka Ryhänen (Turku, Finland)

P58
Music therapy as an avenue to promote healthy eating, exercise and bone health in children
Jasminka Z. Ilich (Tallahassee, USA)

P59
Vibration treatment can enhance the bioactive response of Osteoblasts to Vitamin D in Adolescent Idiopathic Scoliosis (AIS) patients
Tsz Ping Lam (Hong Kong, Hong Kong)

P60
Comparing two scanning protocols for high-resolution peripheral quantitative computed tomography for bone quality assessment in young subjects
Ka Yee Cheuk (Hong Kong, Hong Kong)

P61
Association of vitamin D concentrations with 7-Dehydrocholesterol Reductase in school children in a sun-rich, semi-rural setting in Western Maharashtra, India
Rubina Mandlik (Pune, India)

P62
Association of dental and skeletal fluorosis with calcium intake and vitamin D concentrations in adolescents from a region endemic for fluorosis
Neha Kajale (Pune, India)

P63
Dietary calcium intake influences the relationship between serum 25 hydroxyvitamin D(25OHD) concentrations and Parathyroid hormone(PTH)
Rubina Mandlik (Pune, India)

P64
Peripubertal bone quality and density profile of Chinese adolescents in Hong Kong
Ka Yee Cheuk (Hong Kong, Hong Kong)

P65
Results of a specialized rehabilitation approach in Osteogenesis imperfecta
Oliver Semler (Cologne, Germany)

P66
Challenges in the management of hip dislocation a patient with Prader Willi syndrome
Ayse Nurcan Cebeci (Istanbul, Turkey)
McCune-Albright Syndrome in three patients, clinical correlation and spectrum of the disease
Juan Lammoglia (Bogota, Colombia)

Body composition and vertebral changes in children with osteogenesis imperfecta - effect of risedronate
Nick Bishop (Sheffield, UK)

A pilot study to evaluate the effectiveness of a group circuit therapy programme for children with Osteogenesis Imperfecta
Deirdre Pullen (Bristol, UK)

Ultrasoundographic assessment of the skeletal development of the proximal tibia epiphysis, the proximal femur and the distal femur epiphysis in premature and mature newborns
Michael Pommerenke (Weissenfels, Germany)

Muscle and bone impairment in children with Marfan syndrome: correlation with age and FBN1 genotype
Thomas Edouard (Toulouse, France)

Vitamin D status in young women with anorexia nervosa during intensive weight gain therapy
Anna Svedlund (Gothenburg, Sweden)

Long-term outcomes of surgical treatment for craniofacial fibrous dysplasia
Alison Boyce (Bethesda, USA)

A case of resistant hypophosphataemic rickets
Olumoyin Awogbemi (Liverpool, UK)

To predict curve progression in newly diagnosed AIS girls - How good can Bone Mineral Density (BMD) do?
Elisa Man Shan Tam (Hong Kong, Hong Kong)

Bone quality in severe adolescent idiopathic scoliosis (AIS) - quantitative computed tomography (QCT) of lumbar spine vs high-resolution peripheral quantitative computed tomography (HR-pQCT) of the distal radius: a pilot study
Elisa Man Shan Tam (Hong Kong, Hong Kong)

Vertebral fractures in children affected by chronic recurrent multifocal osteomyelitis: case reports and therapy response
Silvia Vai (Milan, Italy)

Bone metabolism in children and adolescents with newly diagnosed acute lymphoblastic leukemia
Silvia Vai (Milan, Italy)

Nonbacterial osteitis: Is there any mismatch in the pathophysiology of osteoblasts or osteoclasts?
Delila Singh (Munich, Germany)
Ibandronate in the treatment of pediatric osteoporosis
Stepan Kutilek (Klatovy, Czech Republic)

Liver growth hormone receptor signaling in chronic kidney disease related growth retardation: the role of suppressor of cytokine signaling 2
Rawan Abu Hilal (Beer-Sheva, Israel)

Relationships among 25-hydroxyvitamin D, Parathyroid Hormone, and Bone Turnover Markers in Chinese Children
Xiao Han (Shijiazhuang, China)

RANKL, OPG, Dkk1 in Duchenne muscular dystrophy
Francesca Broggi (Milan, Italy)

Different causes of infantile hypercalcemia
Stepan Kutilek (Klatovy, Czech Republic)

Comparison of three detection assays of serum 25(OH) D
Shanshan Wu (Shijiazhuang, China)

Caries intensity and bone mineral density in children living in fluorine deficient region
Vladyslav Povoroznyuk (Kyiv, Ukraine)

Influence of vitamin D deficiency on the bone mineral density in schoolchildren
Vladyslav Povoroznyuk (Kyiv, Ukraine)

Vitamin D and bone health: A practical clinical guideline for management in children and young people in the UK
Anne Thurston (Camerton, UK)

Eryk Latoch (Bialystok, Poland)

Longitudinal bone development in patients with classical congenital adrenal hyperplasia: data using peripheral quantitative computed tomography
Susanne Bechtold (Munich, Germany)

Changes in the concentration of vitamin D in the course of intensive treatment of acute lymphoblastic leukemia. A preliminary data.
Katarzyna Muszynska-Roslan (Bialystok, Poland)

Risedronate in the treatment of children with osteogenesis imperfecta: retrospective review of practice and outcomes at a large paediatric metabolic bone unit
Neil Lawrence (Sheffield, UK)
P93
Improving low bone mass in girls with adolescent idiopathic scoliosis (AIS) using calcium and vitamin D supplementation - a randomized controlled trial
Tsz Ping Lam (Hong Kong, Hong Kong)

P94
Effects of different socioeconomic conditions on bone mineral density in healthy Turkish female university students; relation with vitamin D status
Betül Ersoy (Manisa, Turkey)

P95
Osteomyelitis and septic arthritis in children: first data from the EUCLIDS network
Werner Zenz (Graz, Austria)

P96
Bone health among boys with Duchenne muscular dystrophy before initiation of glucocorticoids
Joanna Yuet-ling Tung (Hong Kong, Hong Kong)

P97
Dysosteosclerosis from a unique mutation in SLC29A3
Serap Turan (Istanbul, Turkey)

P98
Clinical predictors of low bone mineral density in children with juvenile idiopathic arthritis
Mikhail Kostik (Saint-Petersburg, Russia)

P99
The role of vitamin D in growth physiology in early-aged and preschool children
Larisa Scheplyagina (Saint-Petersburg, Russia)

P100
Secondary osteoporosis in boys with Alagille syndrome. Case report.
Elżbieta Jakubowska-Pietkiewicz (Lodz, Poland)

P101
X-linked spinal muscular atrophy (SMAX2) caused by de novo c.1731C>T substitution in the UBA1 gene
Elżbieta Jakubowska-Pietkiewicz (Lodz, Poland)

P102
Bone robusticity in two distinct skeletal dysplasias: an evaluation of the second metacarpal, a surrogate for bone strength
Cathleen Raggio (New York, USA)

P103
Gait assessment in children with childhood hypophosphatasia: impairments in muscle strength and physical function
Dawn Phillips (Chapel Hill, USA)

P104
Effect of intravenous pamidronate in the treatment of skin calcinosis in the course of juvenile dermatomyositis - a story half-told
Pawel Abramowicz (Bialystok, Poland)

P105
Refractory hypercalcaemia of malignancy: responsiveness to Denosumab and Zoledronate
Dinesh Giri (Liverpool, UK)
P106
Metatropic dysplasia is associated with increased fracture risk and increased markers of bone turnover
Michael Bober (Wilmington, USA)

P107
Bone mineral density in Pelizaeus Merzbacher disease
Heidi Kecskemethy (Wilmington, USA)

P108
Unique occurrence of long bone fragility with cranial hyperostosis: Searching for the genetic culprit
Adalbert Raimann (Vienna, Austria)

P109
Effects of inorganic phosphate and FGF23 on C2C12 myoblast cells
Adalbert Raimann (Vienna, Austria)

P110
Abstract withdrawn

P111
Is groupwork an effective way to improve transition for young people with Osteogenesis Imperfecta? A pilot study.
Suzanne Ball (Birmingham, UK)

P112
Type V osteogenesis imperfecta: confirmation of highly characteristic radiographic findings in early infancy
Paul Arundel (Sheffield, UK)

P113
Comparison of cost benefits and efficacy of Zoledronic acid and Pamidronate in the treatment of osteogenesis imperfecta in children
Vrinda Saraff (Birmingham, UK)

P114
Influence of pubertal development and body composition on bone mass accrual in apparently healthy school children aged 6-17 years
Aashima Dabas (New Delhi, India)

P115
Vitamin D and bone mineral density in children with Duchenne muscular dystrophy relation to fractures and ambulation status
Jason Buckner (Columbus, USA)

P116
Osteopetrosis with uncommon final height: can only local IGF-I hold normal growth during pubertal spurt?
Soraya Sader Milani (Ribeirao Preto, Brazil)

P117
Familial hypocalciuric hypercalcaemia in two Chinese families - common and uncommon features
Lai-Ka Lee (Hong Kong, Hong Kong)

P118
Changes in total body and regional bone mass in relation to body composition in children with osteogenesis imperfecta treated with pamidronate
Jaya Sujatha Gopal-Kothandapani (Sheffield, UK)
Burden of disease in children with hypophosphatasia: results from patient-reported surveys
Eileen Sawyer (Cheshire, USA)

Fracture incidence and bisphosphonate therapy in boys with Duchenne Muscular Dystrophy
Nicola Crabtree (Birmingham, UK)

A case of osteogenesis imperfecta mimicking the features of mucopolysaccharidosis IVA
Gul Yesiltepe Mutlu (Istanbul, Turkey)

Phalangeal microgeodic disease: A rare cause of painful swollen toes
Daniela Dyankova-Peeva (London, UK)

Does the introduction of vertebral fracture assessment change clinical practice?
Dee Chapman (Birmingham, UK)

Bisphosphonate treatment and the characteristics of femoral fractures in children with osteogenesis imperfecta
Ilkka Vuorimies (Helsinki, Finland)

Vitamin D status of gastrostomy-fed children with special needs
Hayley Kuter (Manchester, UK)

Low bone mass in children with epidermolysis bullosa
Katharina Ude-Schoder (Salzburg, Austria)

The outcomes of a standardized approach to managing metabolic bone disease of prematurity
Peter Simm (Melbourne, Australia)

Patients treated with anti-epileptic drugs have a higher rate of fracture and impaired bone and muscle development compared with controls – results from a pilot study
Peter Simm (Melbourne, Australia)

Cortical area and volumetric density during pubertal growth: longitudinal analysis in black and white South African adolescent males
Simon Schoenbuchner (Cambridge, UK)

Chronic recurrent multifocal osteomyelitis: the value of whole-body MRI in a series of 34 children
Benjamin Jacobs (London, UK)

Association between serum 25-hydroxyvitamin D and incidence of infections in 6 - 12 year old children in a semi-rural setting in Western Maharashtra, India
Rubina Mandlik (Pune, India)

Bone structural characteristics and response to bisphosphonate treatment in children with Hajdu-Cheney Syndrome
Sophia Sakka (Birmingham, UK)
P133
Fibrodysplasia Ossificans Progressiva: disabling but now treatable
Benjamin Jacobs (London, UK)

P134
Associations of 25-hydroxyvitamin D with major components of metabolic syndrome in children
Anna Challa (Ioannina, Greece)

P135
Chronic recurrent multifocal osteomyelitis in children: a new, MRI-based method of quantifying inflammation in the bone
Dionysios Alexandrou (London, UK)

P136
A modified performance-oriented mobility assessment (MPOMA-G) tool for assessing clinically relevant gait impairments and change in children with hypophosphatasia: development and validation
Dawn Phillips (Chapel Hill, USA)

P137
A slow and difficult diagnosis of a child with Chronic Recurrent Multifocal Osteomyelitis
Ananya Guha (London, UK)

P138
In-depth phenotyping including analyses of skin connective tissue in Osteogenesis Imperfecta
Meena Balasubramanian (Sheffield, UK)

P139
Abstract withdrawn

P140
Rickets in two patients pediatrics
Liliana Mejia de Beldjenna (Cali, Colombia)

P141
Persistence of musculoskeletal abnormalities in children and adolescents with inflammatory bowel disease: a prospective longitudinal study
Avril Mason (Glasgow, UK)

P142
The mechanical multi-stimulation for musculoskeletal disease
Ji Hyung Park (Wonju, Republic of Korea)

P143
Low serum vitamin D levels in children treated for hematologic oncologic diseases
Daniela Sperl (Graz, Austria)

P144
Hypomagnesaemia due to lead poisoning in the context of a heterozygous CLDN-16 mutation
Jeremy Allgrove (London, UK)

P145
Zoledronate as first line therapy for pediatric osteogenesis imperfecta?
Yvette Keemink (Utrecht, Netherlands)

P146
Hypovitaminosis D and factors associated in healthy children aged 2 to 14 years old in Mexico
Miguel Guagnelli (Mexico City, Mexico)
A severe form of cerebral palsy as a risk factor for the development of secondary osteoporosis in children
Natasa Nenadov (Novi Sad, Serbia)

P148
Prevalence of vertebral fractures in survivors of childhood acute lymphoblastic leukemia
Melissa Fiscaletti (Montreal, Canada)

P149
Trabecular bone density decreased during 6 year observation in girls with Turner syndrome, but was not associated with fracture history
Ondrej Soucek (Prague, Czech Republic)

P150
Impaired bone mineral density in adult survivors of childhood cancer: a literature review
Marissa den Hoed (Utrecht, Netherlands)

P151
Do children with mild to moderate osteogenesis imperfecta (OI) with abdominal muscle weakness have a higher incidence of pars defects? A physiotherapy pilot
Emilie Hupin (London, UK)

P152
Syphilitic bone disease: a case report
Shaila Sukthankar (Manchester, UK)

P153
In-vivo high-resolution peripheral quantitative computer tomography assessment of skeletal microstructure in children with osteogenesis imperfecta
Maria Digby (Sheffield, UK)

P154
A longitudinal, prospective, long-term registry of patients with hypophosphatemia
Wolfgang Högler (Birmingham, UK)

P155
1α Hydroxylase (CYP27B1) deficiency presenting with marked hypotonia, growth failure, hypoventilation, pulmonary hypertension and a renal proximal tubulopathy
John Barton (Bristol, UK)

P156
Children with coeliac disease on gluten free diet have normal bone mass, geometry and muscle mass
SC Wong (Glasgow, UK)

P157
Hypoxia inducible factor-1α directly induces the expression of receptor activator of nuclear factor-κB ligand in MLO-Y4 osteocytes
Kyunghwa Baek (Gangneung, Republic of Korea)

P158
Extreme, biomechanically-explained remodelling of biological femoral reconstructions in pediatric oncology
Fulvia Taddei (Bologna, Italy)

P159
The usefulness of bioelectrical impedance analysis (BIA) in the proper assessment of nutritional status in children and adolescents with idiopathic scoliosis (IS)
Pawel Matusik (Katowice, Poland)
Prevalence of muscle deficits in survivors of childhood acute lymphoblastic leukemia
Nathalie Alos (Montreal, Canada)

Unusual adverse reaction of pamidronate: thrombophlebitis
Zerrin Orbak (Erzurum, Turkey)

Abstract withdrawn

Whole blood gene expression analysis in idiopathic infantile hypercalcemia due to compound heterozygous mutation in the CYP24A1 gene in an Austrian 4 month old boy and his family
Barbara Obermayer-Pietsch (Graz, Austria)

Effect of vitamin D supplementation on glucose metabolism, immune function and bone turnover in children with vitamin D deficiency
Helen Mc Devitt (Glasgow, UK)

Clinical masks of the tricho-rhino-phalangeal syndrome (TRPS) - based on the series of four cases from Poland
Pawel Matusik (Katowice, Poland)

The role of AMPK pathway in mediating the effects of metformin on mesenchymal stem cell differentiation
Suet Ching Chen (Glasgow, UK)

Muscle power and force are predictors of bone microarchitecture and strength in healthy children and adolescents measured by high resolution peripheral quantitative computed tomography and jumping mechanography
Kate Ward (Cambridge, UK)

Ambulatory impairment and bone status in subjects with Rett Syndrome: a 10-year longitudinal study
Carla Caffarelli (Siena, Italy)

Comparison of the response to bisphosphonate treatment between acute lymphoblastic leukaemia and osteogenesis imperfecta type I
Anitha Kumaran (Birmingham, UK)

Reduced spinal volumetric trabecular bone mineral density in adolescent girls with anorexia nervosa
Sarah Ehtisham (Manchester, UK)

Bone-muscle unit assessment with pQCT in children with inflammatory bowel disease following treatment with Infliximab
S C Wong (Glasgow, UK)
P172
The possibilities of bone regeneration in children
Michail Michovich (Mogilev, Belarus)

P173
Papilledema in a toddler: An atypical presentation of X-linked hypophosphatemic rickets
Halley Wasserman (Cincinnati, USA)

P174
Case report of reversible cardiomyopathy secondary to 1 alpha hydroxylase deficiency
Moira Cheung (London, UK)

P175
Effect of baseline vitamin D status on serum 25(OH)D level and body composition in breastfed infants on vitamin D supplementation
Justyna Czech-Kowalska (Warsaw, Poland)

P176
Evaluation of fibroblast growth factor 23 in patients with hypophosphataemic rickets
Julie Park (Liverpool, UK)

P177
Fractures in boys with Duchenne muscular dystrophy and their relationship to age
SC Wong (Glasgow, UK)

P178
The precision of partial image analysis of trabecular bone microarchitecture by high-resolution magnetic resonance imaging in people with childhood-onset bone abnormalities
Suet Ching Chen (Glasgow, UK)

P179
An atypical case of bone fragility and dysmorphism with an unusual and novel de novo COL1A1 mutation
Mars Skae (Manchester, UK)

P180
Rare Diseases of Bones, Joints and Vessels Study (RUDY)
Lydia Forestier-Zhang (Oxford, UK)

P181
Short stature in OI: consider alternative diagnoses
Caroline Steele (Wigan, UK)

P182
A case of moderate osteogenesis imperfecta with cerebral palsy spastic quadriplegia; an impossible combination, or is it?
Elizabeth Knowles (Sheffield, UK)

P183
Deficits of vitamin D are strongly associated with methotrexate treatment in patients with juvenile idiopathic arthritis (JIA)
Jerzy Konstantynowicz (Bialystok, Poland)

P184
A subtrochanteric femoral stress fracture following bisphosphonate treatment in an adolescent girl
Alison Boyce (Bethesda, USA)

P185
The effect of iron chelators on bone health in patients with thalassemia
Ellen Fung (Oakland, USA)

**P186**
Cole-Carpenter syndrome
Meena Balasubramanian (Sheffield, UK)

**P187**
TBS increases over time in pre-teen girls
Renaud Winzenrieth (Merignac, France)

**P188**
Fractures, bone mass and geometry in black and white South African children: The Birth to Twenty cohort
Kebashni Thandrayen (Johannesburg, South Africa)

**P189**
Two infants with the diagnosis of infantile hypophosphatasia: case report
Mehmet Emre Atabek (Konya, Turkey)

**P190**
Bone quality and quantity in Duchenne Muscular Dystrophy patients
Renaud Winzenrieth (Merignac, France)

**P191**
Evolution of bone quality and quantity in patients suffering from Duchenne Muscular Dystrophy
Renaud Winzenrieth (Merignac, France)

**P192**
Low bone mineral density and fractures are prevalent in children with spinal muscular atrophy
Halley Wasserman (Cincinnati, USA)

**P193**
Aggravated bone density decline following symptomatic osteonecrosis in children with acute lymphoblastic leukemia
Marissa den Hoed (Rotterdam, The Netherlands)

**P194**
Results of conservative treatment in patients with phosphate diabetes
Stepan Martsyniak (Kyiv, Ukraine)

**P195**
Increase of bone mineral density in patients with osteogenesis imperfecta treated with pamidronate disodium
Hamilton Cabral de Menezes Filho (São Paulo, Brazil)

**P196**
Early onset cataract in an infant with activating calcium sensing receptor mutation
Jeremy Allgrove (London, UK)

**P197**
Benign osteopetrosis associated with homozygous mutation in CLCN7
Jeremy Allgrove (London, UK)

**P198**
Impaired mobility and pain significantly impact the quality of life of children with X-linked hypophosphatemia (XLH)
Agnès Linglart (Le Kremlin-Bicêtre, France)
LRP5-associated high bone mass disorder: novel familial mutation in LRP5 and investigation of bone mineralization density distribution (BMDD)
Katharina M Roetzer (Vienna, Austria)

P200
Relationship of lipid parameters and insulin resistance with bone health in South Korean adolescents
Do-Hoon Kim (Seoul, Republic of Korea)

P201
The results of pamidronate treatment independently and in combination with surgery in patients with osteogenesis imperfecta
Andrii Żyma (Kiev, Ukraine)