Contents

Review Article

Andreas Kiriakopoulos, Anastasia Dimopoulou, Constantinos Nastos, Dimitra Dimopoulou, Konstantina Dimopoulou, Evangelos Menenakos and Nikolaos Zavras
Medullary thyroid carcinoma in children: current state of the art and future perspectives —— 1

Original Articles

Ozlem Gorukmez, Cengiz Havalı, Orhan Gorukmez and Sevil Dorum
Newly defined peroxisomal disease with novel ACBD5 mutation —— 11

María Celeste Mattone, Silvia Gil, Mariana Costanzo, María Laura Galluzzo Mutti, Alejandra Casanovas, Verónica Zaidman, Juan Manuel Lazzati, Marta Ciaccio, Alicia Belgorosky and Gabriela Guercio
Pediatric adrenocortical tumors cohort characteristics and long-term follow-up at a single Argentinian tertiary center —— 19

Evin Ilted Bahadur, Şervan Özalkak, Asena Ayça Özdemir, Semra Çetinkaya and Elif Nursel Özmert
Sleep disorder and behavior problems in children with type 1 diabetes mellitus —— 29

Cosimo Giannini, Nella Polidori, Maria Alessandra Saltarelli, Francesco Chiarelli, Raffaella Basilico and Angelika Mohn
Increased hepcidin levels and non-alcoholic fatty liver disease in obese prepubertal children: a further piece to the complex puzzle of metabolic derangements —— 39

Mohammed Ayed Huneif, Majed Al Mutairi, Ziyad Hamad AlHazmy, Fatima Khalid AlOsaimi, Anas M. AlShoomi, Mohammed A. AlGhofely and Abdulhameed AlSaheel
Screening for testicular adrenal rest tumors among children with congenital adrenal hyperplasia at King Fahad Medical City, Saudi Arabia —— 49

Yi-Xiong Gao, Jian Zhang, Qingqing Man, Yuqian Li and Shanshan Jia
The association between vitamin D levels and metabolic syndrome components among metropolitan adolescent population —— 55

Vidhya Ahilan, Varun Govind Krishna, Hemchand Krishna Prasad, Kannan Narayanasamy and Nedunchelian Krishnamoorthy
Utility of wrist circumference in recognition of metabolic syndrome in overweight and obese South Indian children and adolescents —— 65

Teresa A. Botelho, Joana M. N. Santos, Crisbety M. S. Pinho, Ana Isabel B. R. Martins, Adriana I. S. Formiga, Joana Serra-Caetano, Rita C. F. Cardoso, Isabel C. A. D. Dinis and Alice S. R. Mirante
Ketoacidosis in new-onset type 1 diabetes: did the severity increase during the COVID-19 pandemic? —— 73

Riham Eid, Maha Abdelsalam, Aya A Fathy, Dena M Abd-El Ghaffar, Eman B ElMarghany, Aya A El-Hanafy, Nora Mostafa, Nashwa Hamdy, Nermeen A Niazy, Ayman Hammad and Hadi M Abolenein
Predictors of decreased bone mineral density in childhood systemic lupus erythematosus: possible role of osteoprotegerin gene polymorphisms —— 79

Yuji Oto, Nobuyuki Murakami, Takeshi Inoue, Kelko Matsubara, Sohei Saima, Hiroyuki Ogata, Hiroshi Ihara, Toshiro Nagai and Tomoyo Matsubara
Psychiatric behavioral effect and characteristics of type 2 diabetes mellitus on Japanese patients with Prader-Willi syndrome: a preliminary retrospective study —— 89

Ah Young Cho, Jung Gi Roh, Young Suk Shim, Hae Sang Lee and Jin Soon Hwang
Biochemical predictors of metabolically unhealthy obesity in children and adolescents —— 97

Koryo Nakayama, Go Ichikawa, Junko Naganuma, Satomi Koyama, Osamu Arisaka, Toshimi Sairenchi, Gen Kobashi and Shigemi Yoshihara
Adiposity rebound in very-low-birth-weight infants —— 105

Jinyu Zhou, Ling Bai, Yangyang Dong, Rongrong Cai and Wenqing Ding
The association between a metabolically healthy overweight/obesity phenotype and markers of inflammation among Chinese children and adolescents aged 10–18 years —— 109
Case Reports

Neetu Krishnan and Nancy Dunbar
Management of perinatal HPP during critical illness/ECMO — 115

Mariusz Smetek, Karolina Gadzalska, Paulina Jakiel, Julia Grzybowska, Malgorzata Mysliwiec, Maciej Borowiec and Agnieszka Zmysłowska
Wolfram-like syndrome – another face of a rare disease in children — 121

Hisakazu Nakajima and Shota Fukuhara
Two Japanese siblings with arginase-1 deficiency identified using a novel frameshift mutation of ARG1 (p.Lys41Thrfs'2) — 125

Meera Shaunak, Lucy Side, Nadeem Afzal and Justin Huw Davies
An atypical presentation of a pathogenic STK11 gene variant in siblings not fulfilling the clinical diagnostic criteria for Peutz-Jeghers Syndrome — 131