behaviour (p = 0.05), internalising problems (p = 0.02) and critical items (p = 0.02). BDI scores did not differ between the groups. The VLBW group reported lower mean substance use (p = 0.04), mainly due to less use of alcohol. Furthermore, they reported having fewer friends, less closeness to friends, and less time spent with friends compared with controls (p = 0.05). When excluding 11 participants with cerebral palsy and/or low intelligence quotient (<2 SD of mean in the control group), the scores for critical items, anxious/depressed and substance use were essentially the same (p-values: 0.04–0.07).

Conclusion The VLBW group reported more emotional problems than controls, and also a higher level of clinically relevant psychiatric symptoms. The findings may indicate that anxiety symptoms and a cautious lifestyle with regard to substance use are characteristics of VLBW individuals in young adulthood.

**PO-0826 CONOTRUNCAL HEART DEFECT IN A PATIENT WITH CONGENITAL DISORDER OF GLYCOSYLATION TYPE IA**

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*Background and aims* Conotruncal heart defects (CTHD) represent 15–20% of congenital heart defects; common causes are 22q11 microdeletion syndrome and other chromosomal rearrangements. Congenital disorders of glycosylation (CDG) are a group of inherited multisystem disorders caused by defective glycosylation of proteins and lipids. Type I CDG is a group of heterogeneous disorders involving defective synthesis or transfer of a lipid-linked oligosaccharide precursor. The most prevalent cardiac abnormalities are cardiomyopathy and pericardial effusion, although CTHD were recently reported in two patients with PPM2-CDG, the most frequent CDG I. We describe a further case of this unusual clinical presentation.

*Case report* We report a 10-year-old male with neonatal diagnosis of common arterial trunk, repaired at age 17 days. Postoperative course was complicated by cardiopulmonary arrest and allegedly hypoxic ischaemic encephalopathy. He was referred to the paediatric neurology clinic for evaluation of psychomotor delay and epilepsy. Examination at age 2y revealed delayed language, squint and intense hypotonia. Brain MRI revealed cerebr al white matter anomalies and cerebellar atrophy, interpreted as result of his hypoxic-ischaemic event. Array-CGH and FISH for 22q11.2 deletion were normal. At age 8y he displayed ataxic gait and dysarthric speech; fat pads and inverted nipples were noted. A repeat MRI showed severe cerebellar atrophy, prompting the suspicion of CDG. Transferrin isoform analysis showed a typical CDG I pattern. Fibroblast phosphomannomutase activity and PPM2 mutation screen are ongoing.

**PO-0828 BONE MINERAL DENSITY AND VITAMIN D STATUS IN CHILDREN WITH CEREBRAL PALSY**

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*Background and aim* Children with cerebral palsy (CP) have increased risk for low bone mineral density (BMD). The aim was to explore the difference in BMD between ambulatory and non-ambulatory children with CP and the relationship between vitamin D status and BMD.

*Methods* Fifty-one children (age range: 8–18 years; 20 girls) with CP participated and had their BMD measured in the lumbar spine (LS) and the distal femur using dual X-ray absorptiometry. Children with GMFCS level I–III were defined as ambulatory (‘walkers’) while children with level IV-V were defined as non-ambulatory (‘non-walkers’). Serum 25-hydroxyvitamin D (25-OHD) concentrations were measured as an indicator of vitamin D status.

*Results* Mean BMD z-score was considerably lower at the distal femur than in the LS. Non-walkers had lower mean z-scores (range: -1.7 to -5.4) than walkers (range: -0.8 to -1.5). Among