Feeds were stopped. Investigations ruled out NEC. After 2 days the infant improved clinically and feeding was recommenced. A further episode occurred, coinciding with reintroduction of full expressed breast milk feeds. Further maternal dietary history revealed an abnormally high intake of uncooked onions. After removing onion from her diet the problem resolved.

Conclusions Onion is used in complementary medicine for antimicrobial, antifungal, glucose and lipid lowering properties. Human studies have associated high maternal intake with infantile colic in breastfeeding infants. The intestinal flora of premature infants is immature, hindering gut absorption and metabolism. Abdominal distension occurs as gas builds up in the bowel.

A diet containing plentiful fruit and vegetables is advocated for breastfeeding mothers. In the case of onion and cruciferous vegetables awareness of the potential effect on the immature gut is important.

Background It is important to clarify the characteristic traits of the cognitive functions of Kabuki syndrome patients in order to choose appropriate pedagogical techniques.

Methods The cognitive functions in seven participants with Kabuki syndrome were investigated using the Kaufmann assessment battery for children test, the Benton facial recognition test and Theory of Mind test, with some copying tasks of two and three dimensional line drawing figures. The results were compared to those of seven Williams syndrome participants.

Results The findings indicated disparities among cognitive areas in the Kabuki syndrome participants with stronger subtest “number recall” than the subtest “gestalt closure” in the Kaufmann assessment battery for children test (p<0.05). The disparities were compatible as previously described. The difficulties in copying the line drawing figures suggested a dorsal pathway dysfunction similar to that in Williams syndrome patients, but further longitudinal observation is needed. In the Kabuki syndrome participants, four of five participants who could perform the Theory of Mind test could pass the test, whereas only two out of six in the Williams syndrome patients could do so. The discrepancies between the results of the Benton facial recognition test and Theory of Mind test were the opposite of those in the Williams syndrome patients, in spite of anecdotal observations of similar tendencies in social interaction.

Conclusion Kabuki syndrome is another disease that shows disparities among cognitive functions. Investigating this syndrome may help us to understand the mechanisms of human cognitive function.

Abstract 552 Figure 1 Abdominal distention

Abstract 555 PERINATAL NEUROBLASTOMA WITH A GERMINE INTERSTITIAL 2P DUPLICATION INVOLVING THE MYCN GENE: A CASE REPORT

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Background/Aims MYCN proto-oncogene is located on chromosome 2p24. MYCN amplification is a poor prognostic factor in neuroblastoma. However, the role of germline MYCN copy number gain is unclear. It is unknown if it is a prerequisite for MYCN amplification or an independent event in neuroblastoma.

Methods Case report of perinatal neuroblastoma with a mosaic interstitial 2p duplication and literature review.

Results A 3.3 cm right suprarenal mass was noted in a 2 day old infant with bilateral postaxial polydactyly, syndactyly and bicuspid aortic valve. He was observed clinically until 3 weeks of age when he presented with increasing abdominal distension, prominent hepatomegaly, enlarging suprarenal mass, and marked elevation of urinary VMA/HVA levels. Diffuse liver MIBG avidity was noted. Emergent chemotherapy was started and he underwent decompressive laparotomy secondary to abdominal compartment syndrome. He is currently five months into therapy and doing well. aCGH performed on peripheral blood leukocytes showed mosaic interstitial duplication from 2p24.1 to 2p25.3 involving the