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The Ghent criteria are used to recognize Marfan syndrome. At least 2 major criteria and 1 minor criteria or 1 major and 1 minor in addition to a positive family history are needed to diagnose Marfan syndrome. The diagnosis of Marfan syndrome is dependent on clinical criteria, ECHO, MRI, slit-lamp examination and a negative urine cyanide nitroprusside test. Progressive cardiovascular defects such as aortic root dilatation and mitral valve prolapse contribute to the morbidity suffered by children with Marfan Syndrome. The connective tissue defect contributes to increased distensibility of the lung parenchyma and dura causing spontaneous pneumothorax and dural ectasia. Ectopia lentis is the most common ocular abnormality noted in Marfan syndrome and is seen in 50-80% of affected individuals. The ectopia lentis is usually bilateral and symmetrical. Subluxation is most frequently in the supero temporal quadrant. Abnormal production, distribution and attachment of the fibrillin rich zonules as well as their increased susceptibility to proteolytic cleavage result in the development of ectopia lentis. Therapy aims at prevention of complications. Annual evaluation is essential to monitor for potential problems such as cardiovascular disease, scoliosis and ophthalmological problems.

Conclusion: This case is being reported for the atypical type of lens subluxation viz, unilateral inferotemporal subluxation. Follow up is needed of the second eye for subluxation.

References:

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