

## **CHAMP Quarterly Educational Case Review    December 3, 2009**

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### **Case Summary**

A 21 month-old child with FTT, iron deficiency anemia, developmental delay, and transposition of the great arteries (s/p balloon septostomy) was admitted with scalp swelling after a fall from a chair 5 days PTA. Head CT revealed a left subgaleal hematoma and underlying left subdural hematoma, with foci in the right temporal and parietal lobe interpreted as possible contusions. An MRI performed a few days later revealed...

### **Goals**

1. Highlight the importance of MRI as a diagnostic tool in cases of potential abusive head trauma.
2. Discuss brain abnormalities seen in children with complex congenital heart disease.

### **References**

McQuillen PS, Hamrick SE, Perez MJ, Barkovich AJ, Glidden DV, Karl TR, Teitel D, Miller SP. Balloon atrial septostomy is associated with preoperative stroke in neonates with transposition of the great arteries. *Circulation*. 2006 Jan 17;113(2):280-5.

Miller SP, McQuillen PS, Hamrick S, Xu D, Glidden DV, Charlton N, Karl T, Azakie A, Ferriero DM, Barkovich AJ, Vigneron DB. Abnormal brain development in newborns with congenital heart disease. *N Engl J Med*. 2007 Nov 8;357(19):1928-38.