

## Jacob Grunewald - PEDIATRIC FMD

At 2 1/2 years of age I noted that Jacob complained of his head hurting. He was treated for sinus infections. At a 3 year check-up he was noted to be incidentally HTN. He was worked up for kidney involvement and everything came back negative. Then he had a CT for continued c/o headaches, which showed basilar artery enlargement. MRI findings showed small and large vertebral arteries with enlarged basilar artery enlargement. He had an angiogram which showed 3 high grade stenoses greater than 95%.



Some having the appearance of webbing. His Right internal Maxillary artery is mildly diseased, Right posterior cerebral artery is irregular and Left ophthalmic artery is involved. He has white matter changes in the peri-atrial regions with focal areas of leukomalacia. He has 4 right renal arteries and 2 left renal arteries. He previously dissected his LICA and now his LICA is markedly diminished in caliber with focal stenosis or occlusion at the level of the cavernous segment. The intracranial internal carotid artery is reconstituted by collateral flow. Narrowing of the RICA with short segmental stenosis noted on the MRA of the brain in 2004. He has compensatory enlargement of the vetebrobasilar system and presence of pial collaterals. Mild prominence of perivascular spaces in the cerebral white matter most pronounced posteriorly. He was diagnosed in Cincinnati Ohio in July 2000 with FMD He had a Angioplasty of his RICA in June 2001 No strokes since. Questional TIA's since 2001 however.