

**On-line Table 1: Description of cortical and sulcation abnormalities in 40 patients**

Patient	Description
1	Bilateral schizencephaly, extensive fcd, abnormal Sylvian fissures
2	Abnormal R intraparietal-occipital sulcus and open sylvian fissures, sylvian cortex and R occipital cortex
3	Unusual sulcation R postcingulate and transmantle bands to Sylvian fissures
4	Bilateral peri-Sylvian pmg, abnormal Sylvian fissures, thick and blurred cortex
5	Dysplastic L cingulate adjacent to transmantle dysplasia
6	Transmantle band left frontal and above right caudate
7	L frontal transmantle band
8	Abnormal Sylvian fissures, L > R
9	R posterior quadrantic dysplasia, abnormal posterior sulcation and R Sylvian fissure, linear band
10	Abnormal L Sylvian fissure
11	Linear bands from posterior atrium to occipital white matter, unusual stellate sulcal configuration joining R intraparietal sulcus
12	Short Sylvian fissures, absent L intra-parieto-occipital fissure and simplified gyral pattern, areas of increased cortical thickness
13	Unusual sulcation R postcentral—thick but only 3 years of age terminal zones
14	Abnormal L Sylvian fissure, abnormal sulcus from L frontal lobe joins it with stellate shape
15	Dysplastic cingulate gyrus R abnormal L calcarine with branching, N thickness, still young
16	Abnormal Sylvian fissures bilaterally, elongated with terminal branches; difficult to assess thickness because not myelinated yet
17	Abnormal L Sylvian fissure
18	Thick gray linear transmantle bands from nodules to adjacent Sylvian cortex, thickened but no pmg
19	Unusual sulcation R posterior, abnormal Sylvian fissures bilateral L > R
20	Cortical malformation R Sylvian/central, even on fetal scan and postnatal at 8 days of age, unusual sulcation, impression of regions of cortical malformation
21	Abnormal Sylvian fissures bilaterally, pmg perisylvian, and anterior cingulates, and absent intra-parieto-occipital sulci bilaterally, transmantle bands/VR spaces to overlying cortex
22	R posterior quadrant dysplasia, abnormal R intraoccipital and calcarine sulcus, schizencephalic cleft
23	Transmantle bands in region of R giant perivascular spaces (parieto-occipital), hypothalamic hamartoma, unusual sulcation L anterior
24	Difficult because only 24 weeks' gestation but appropriate fissures seen, borderline Sylvian biometry
25	Thick cortex/linear transmantle bands posterior cingulate, Sylvian, absent parieto-occipital fissures bilaterally, unusual R anterior temporal sulcation; R central and precentral sulci have stellate radiating sulci, linear transmantle bands
26	Transmantle dysplasias, R cingulate, L calcarine sulcus, unusual L temporal lobe sulci and L intra-parieto-occipital sulcus
27	Abnormal posterior cingulates (partial ACC), transmantle linear bands
28	L transmantle and subcortical heterotopias occipital/parietal/calcarine; absent L intra-parieto-occipital sulcus, abnormal Sylvian fissures, linear bands R
29	Linear transmantle bands
30	Linear transmantle bands
31	Dysplastic L calcarine/occipital gyri, with transmantle bands to nodules and suspected schizencephaly L occipital horn posteriorly, abnormal L central sulcus, L sts, fusiform gyrus, dysplasia L temporal and occipital lobes
32	Bilateral perisylvian pmg, intra-parieto-occipital cortex linear bands from nodules
33	Abnormal Sylvians bilaterally and linear transmantle bands
34	Thick cortex in perisylvian regions, abnormal orientation R Sylvian fissure
35	Bilateral occipital pmg, dysplastic cingulate (ACC), abnormal temporal lobe sulcation, also schizencephalic clefts to posterior horns
36	Unusual R frontal sulcation, bilateral linear transmantle bands to cortex
37	Abnormal L Sylvian fissure, also transmantle linear bands
38	Bilateral cortical dysplasia, L>R<- large transmantle heterotopia
39	Abnormal R medial temporal sulcation and transmantle bands from nodules
40	Abnormal R Sylvian fissure

**Note:**—R indicates right; L, left; L>R, left more than right side; pmg, polymicrogyria; ACC, agenesis of the corpus callosum; N, normal; sts, superior temporal sulcus; fcd, focal cortical dysplasia; VR, Virchow–Robin.

**On-line Table 2: Intrafamilial imaging findings**

	Cerebellum Abnormality	PCF Cyst	Colpocephaly	Corpus Callosum Abnormality	Cortex/Sulcation Abnormality	Hippocampal Abnormality
1a Twin	+	+	+	+	+	-
1b	+	+	+	+	+	+
2a	+	+	+	+	-	+
2b	-	-	+	+	-	+
3a	+	+	+	+	+	+
3b	+	+	-	-	-	+
4a	-	+	-	-	+	-
4b	+		+	+	+	+

**Note:**—PCF indicates posterior cranial fossa; +, present (abnormal); -, absent (normal).