

**On-line Table: Antenatal US and iuMR information in 26 cases in which fetal holoprosencephaly was diagnosed on iuMR<sup>a</sup>**

Case	Gestational Age at iuMR (wks)	Antenatal US Diagnosis	iuMR Diagnosis (DeMyer)	iuMR Severity	
				Score (max = 20)	Other Findings on iuMR
1	21	Semilobar HPE	Semilobar HPE	13	Cerebellar hypoplasia, midline CL/CP
2	24	Alobar HPE	Alobar HPE	20	Kinked brain stem, cebocephaly
3	19	Semilobar HPE	Lobar HPE	6	Rhombencephalosynapsis
4	21	HPE (not specified)	Semilobar HPE	13	Cerebellar hypoplasia, kinked brain stem
5	21	Posterior encephalocele	Semilobar HPE	13	Meningocele, DWM
6	21	HPE (not specified)	Lobar HPE	6	DWM, hemispheric dysgenesis
7	30	HPE (not specified)	Lobar HPE	9	None
8	26	Alobar HPE	Alobar HPE	20	None
9 <sup>b</sup>	18	HPE (not specified)	Alobar HPE	20	None
10	19	Absent CSP and agenesis CC	Semilobar HPE	12	Midline CL/CP
11	20	Midline CL/CP	Semilobar HPE	10	Midline CL/CP
12	23	HPE (not specified)	Semilobar HPE	14	Rhombencephalic synapsis
13	19	HPE (not specified)	Alobar HPE	19	None
14 <sup>c</sup>	21	Semilobar HPE	Alobar HPE	19	None
15	21	Absent CSP, midline CL/CP	Lobar HPE	7	Arhinia, midline CL/CP
16	20	HPE (not specified)	Lobar HPE	9	None
17 <sup>d</sup>	29	Ventriculomegaly	Semilobar HPE	10	Coloboma, falcine sinus, abnormal superior sagittal sinus
18	20	Posterior interhemispheric cyst	Lobar HPE	5	None
19	26	Microcephaly, hypoplasia CC	Semilobar HPE	13	None
20	21	Ventriculomegaly and agenesis CC	Lobar HPE	9	Marked hypoplasia and abnormal sulcation of the frontal lobes
21	22	Hypoplastic cerebellum	MIHF	2	None
22	21	HPE (not specified)	Semilobar HPE	11	DWM
23	21	Lobar HPE	MIHF	2	None
24 <sup>e</sup>	23	Agenesis CC	Lobar HPE	3	None
25	19	Ventriculomegaly	MIHF	2	None
26	25	Posterior interhemispheric cyst	Semilobar HPE	15	Falcine sinus

**Note:**—CL/CP indicates cleft lip and cleft palate; DWM, Dandy-Walker malformation; CC, corpus callosum; max, maximum; CSP, cavum septum pellucidum.

<sup>a</sup> The DeMyer classification of holoprosencephaly and severity score based on detailed anatomic assessment on iuMR is shown in columns 4 and 5 and is correlated in Fig 2.

<sup>b</sup> Trisomy 18.

<sup>c</sup> Dichorionic/diamniotic twin pregnancy, healthy co-twin.

<sup>d</sup> Meckel-Gruber syndrome.

<sup>e</sup> Associated with vertebral defects, anal atresia, cardiac defects, tracheo-esophageal fistula, renal anomalies, and limb abnormalities.