

Appendix 3: Fetal and neonatal neuroimaging scoring systems for cCMV

Cannie et al. <sup>70</sup> – Fetal MRI			Postnatal cUS and MRI Alarcon et al. <sup>71,72</sup>		
Score	Findings	Outcome	Score	Findings	
1	Normal findings	SNHL: 0%  Neurological impairment:1.6%	0	None of the following abnormalities	Normal: 87.5%  Mild disability: 6.3%  Moderate/severe disability: 6.3%
2	Isolated frontal or parieto-occipital periventricular increased signal intensity on T2 weighted sequence	SNHL: 0%  Neurological impairment:0%	1	Single punctate periventricular calcification, lenticulostriate vasculopathy, caudothalamic germinolysis, mild ventriculomegaly* and/or focal/multifocal white matter signal abnormality on MRI	Normal: 85.4%  Mild disability: 8.3%  Moderate/severe disability: 6.3%
3	Isolated temporal periventricular increased signal intensity on T2 weighted sequence	SNHL: 14.3%  Neurological impairment:0%	2	Multiple discrete periventricular calcifications, paraventricular germinolytic cysts, occipital horn septations, moderate/severe ventriculomegaly*, diffuse white matter signal abnormality and/or temporal lobe involvement	Normal: 48.7%  Mild disability: 17.9%  Moderate/severe disability: 35.9%
4	Cysts and/or septa in the temporal and/or occipital lobe	SNHL: 55%  Neurological impairment:25%			
5	Migrational disorders, cerebellar hypoplasia	SNHL: 66.7%  Neurological impairment:66.7%	3	Extensive calcifications, brain atrophy, abnormal gyration, cortical malformation, dysgenesis of the corpus callosum and/or cerebellar hypoplasia	Normal: 3%  Mild disability: 0%  Moderate/severe disability: 97%

\*Ventriculomegaly is defined as lateral ventricle width  $\geq 7.5$  mm on a coronal section at the level of the atria, and classified as mild (7.5-9.9 mm) or moderate/severe ( $\geq 10$  mm)<sup>73</sup>.