Subtle findings on fetal brain imaging in CMV infected patients: what is the clinical significance.


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Objective: to study the postnatal outcome of subtle findings on brain NSG and MRI in CMV infected patients.


Results: 27 patients (18% of total). All had MRI findings: and 7 (26%) had NSG.

MRI: ALL 27 PT’s
- HT2 signal
- Temporal cyst
- Mild VM
- PVPC
- Choroidal cyst
- occipital horn dilation

NSG: 7 PT’s
- LSV
- PVPC
- Mild VM
- Temp. Cyst

45.5% (12/27) = NO amniocentesis ➔ 8/12 (66%) negative urine

Normal postnatal US
Normal development
False positive

In 77.7% (21/27) = normal post natal US
In 22.3% post natal US:
- LSV n=5
- Sub ependymal cyst n=1 (resolved)
- All children are developing normally.
- One child (3.8%) had a unilateral HL.

Subtle non-progressive CNS findings most probably carry favorable outcome.