

PEDIATRIC NEUROLOGY:

Developmental delay

- 1) **Definition:** Developmental skills in one or more developmental domain is less than would be predicted (2 sd/~15 on Gesell based screening instruments, but quantitation not necessary initially if there is sufficient clinical suspicion).
 - 2) **Relevant Information:** There should be no pathological social interaction or social reciprocity, developmental regression nor arrest, and no seizures or dyskinesias. Family history should be normal in addition to pregnancy and perinatal history.
 - 3) **Physical Exam** (pertinent findings that would not referral): Normal growth, vision and hearing, no dysmorphic or neurocutaneous features, no organomegaly, normal neurological exam apart from higher mental functions.
 - 4) **Initial Screening Studies** : Chromosomes including telomeric FISH and DNA for Fragile X, lead level, serum amino acids and urine for organic acids, lactate and ammonia (needs to be processed immediately), MRI of brain without contrast.
- 5) **Disposition:**
- Who can be followed: those who satisfy above criteria.
 - Who should be referred: those who do not satisfy above criteria and have abnormal screening studies.
 - Where to refer: Refer to a Birth to Three Program, Refer to Neurodevelopmental Pediatrician or Pediatric Neurologist if above criteria not satisfied.

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