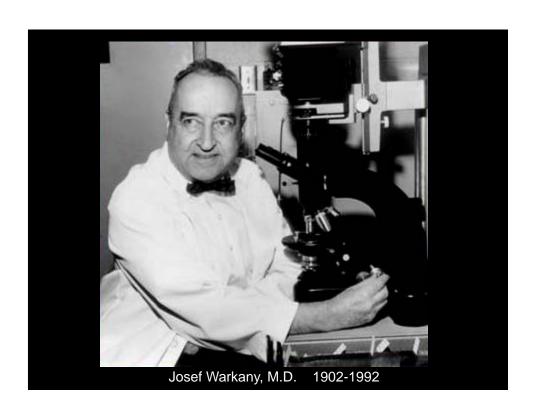


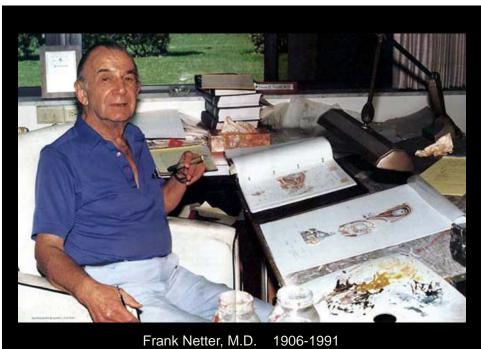
## Disclosure

The authors of this research have no financial or other interests which pose a conflict of interest.

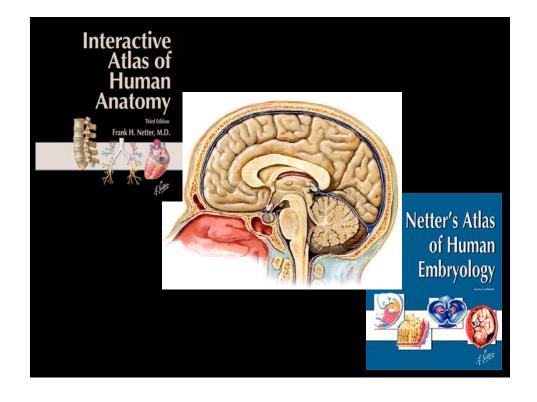
This research was funded by NIH/NIAAA



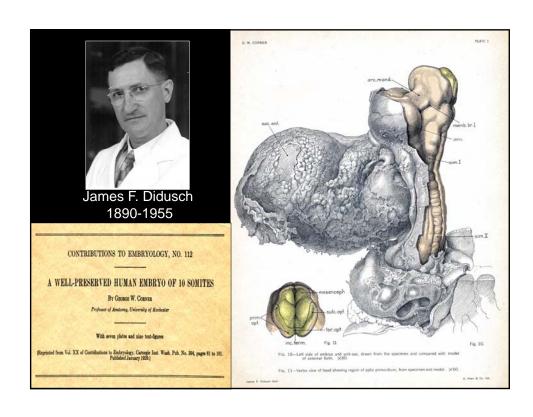


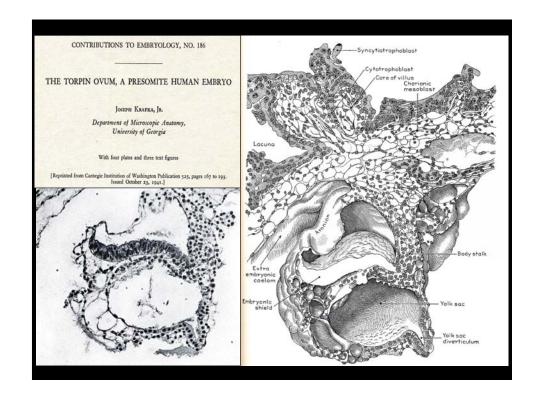


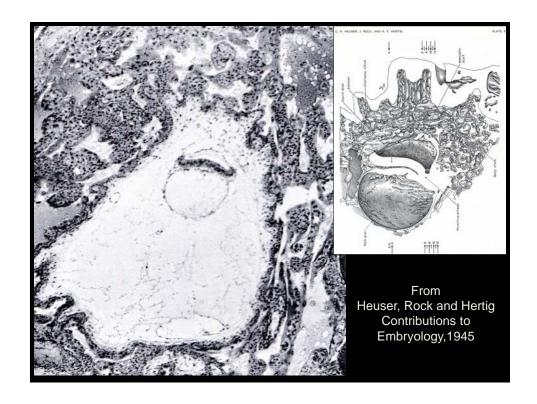


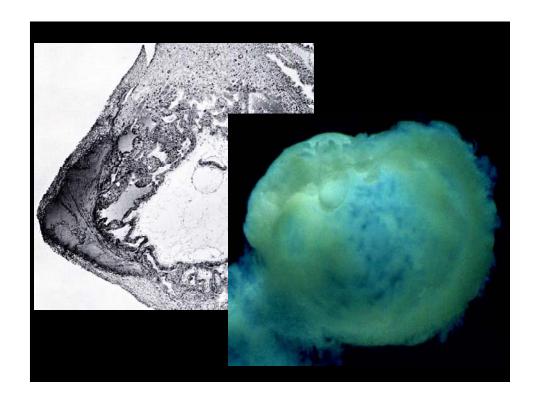


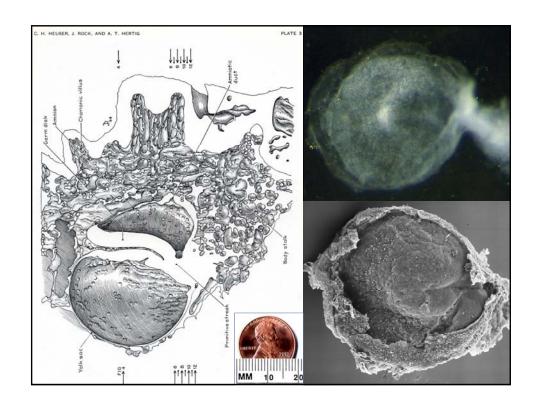




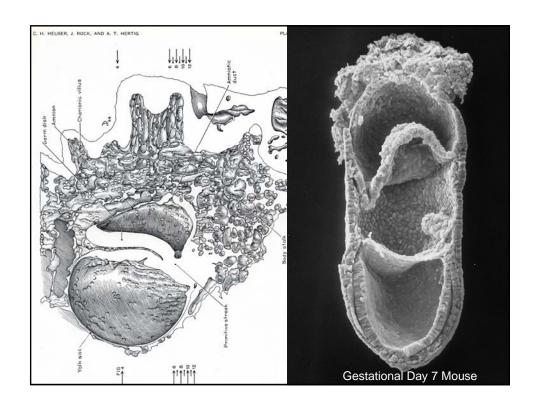


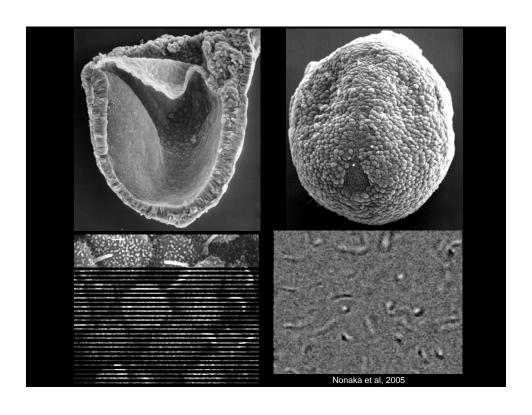


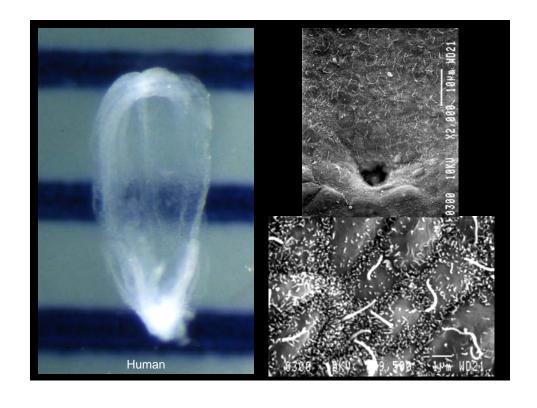


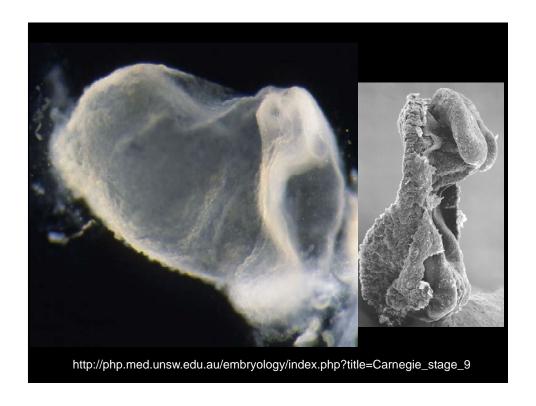


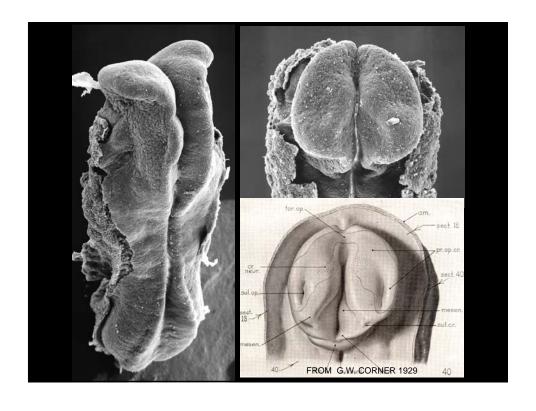




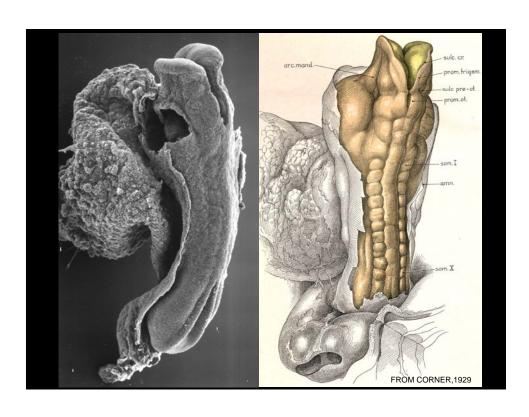


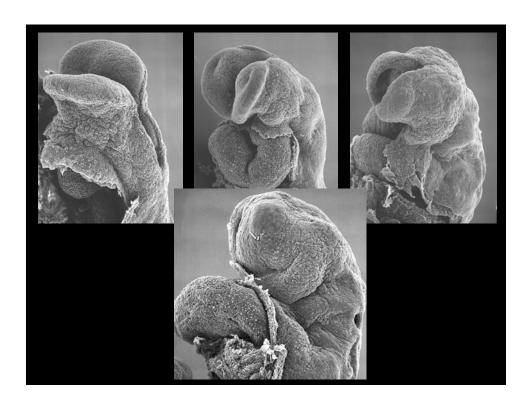


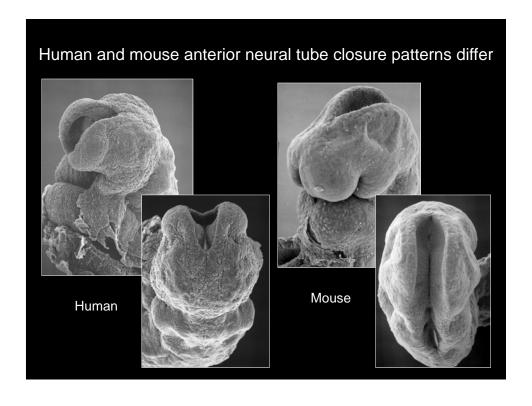


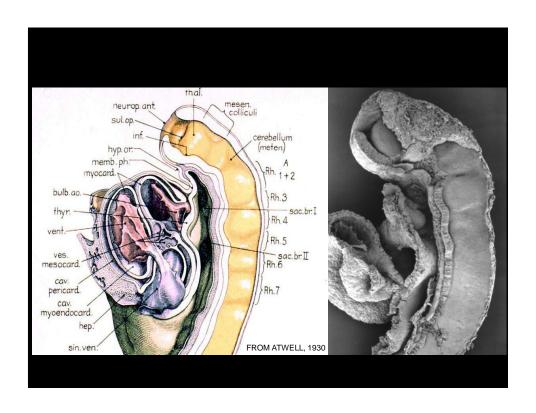




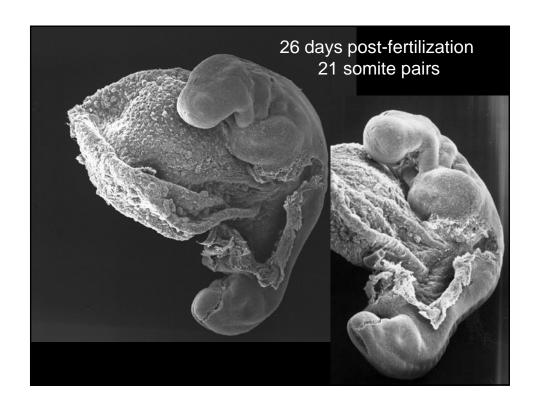


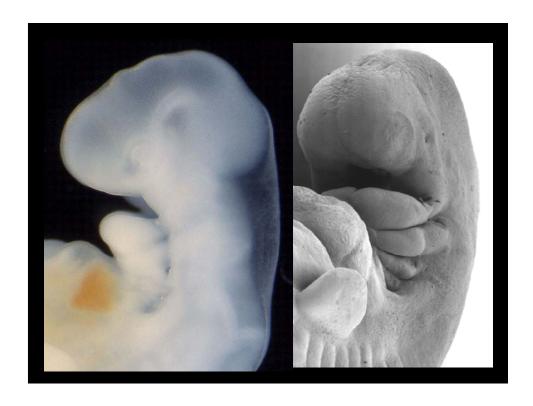


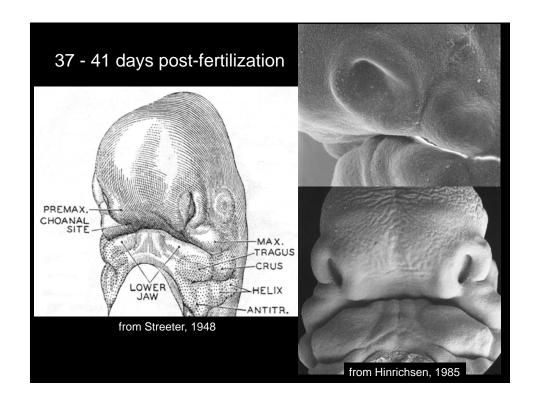


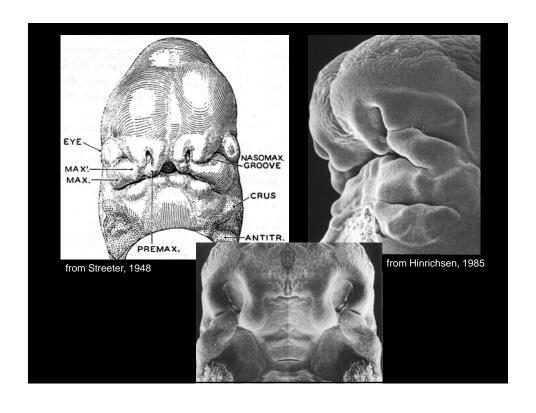


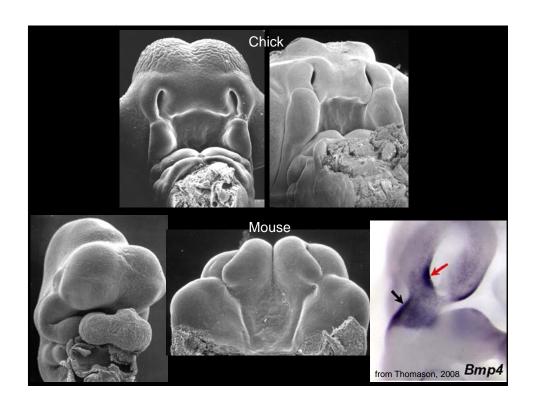


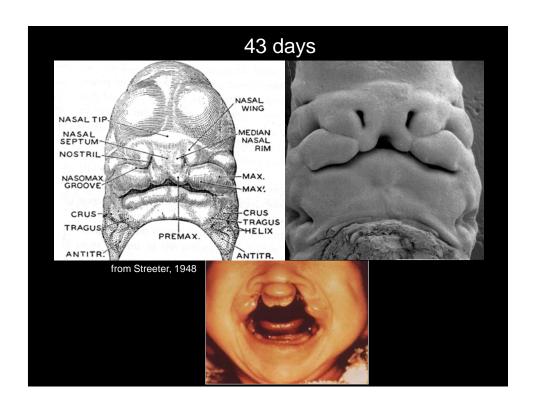




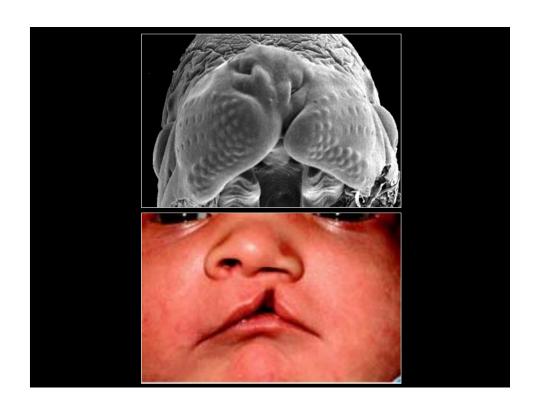




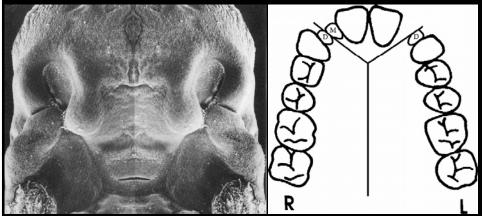








It appears that medial nasal prominence and Max' tissues both contribute to the portion of the alveolar ridge in which the upper incisors form, with the lateral part of each lateral incisor being derived from Max'

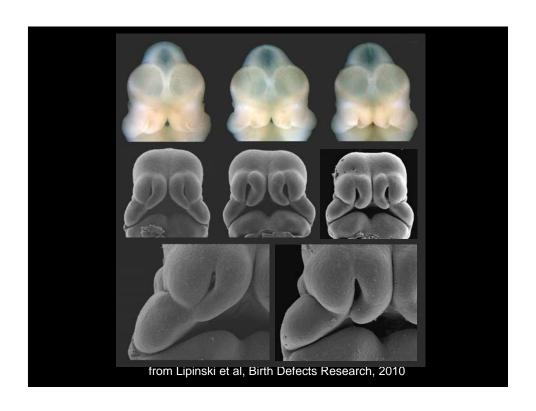


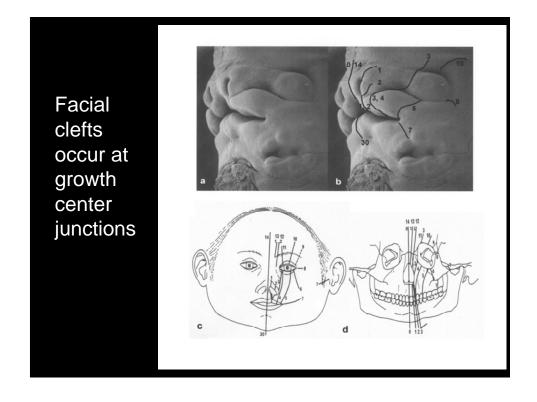
from Hinrichsen, 1985

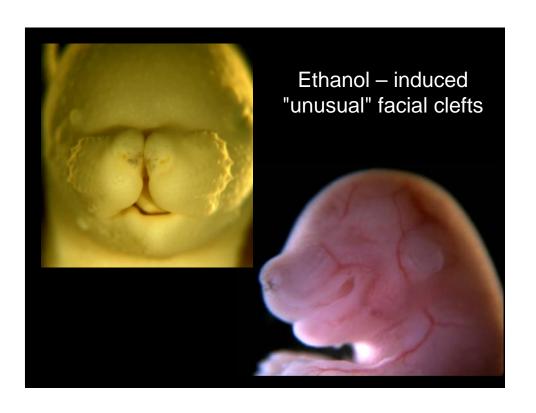
from Halpern and Noble, 2010

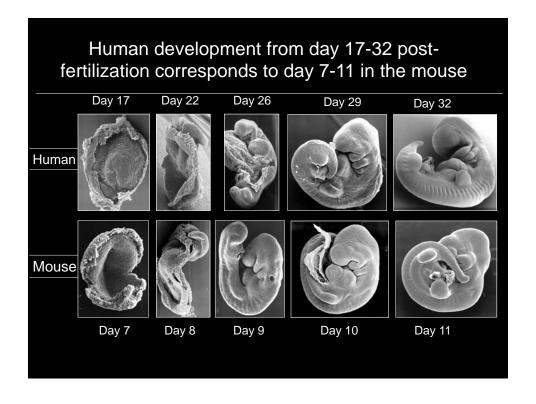
In human cleft lip, when a lateral incisor is present, it is most commonly located distal to the cleft. This suggests that deficiency in the medial nasal prominence-derived tissue is the developmental basis for many "typical" clefts of the lip.

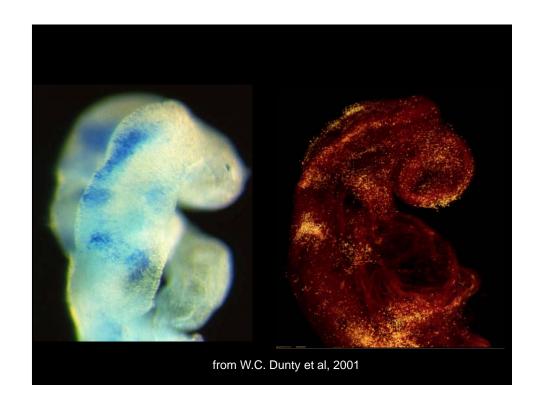


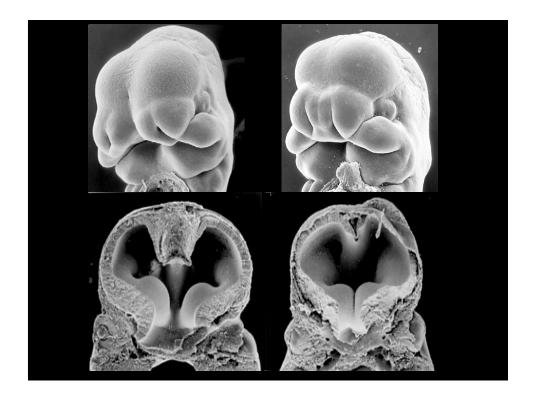




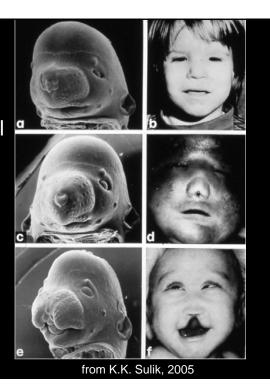


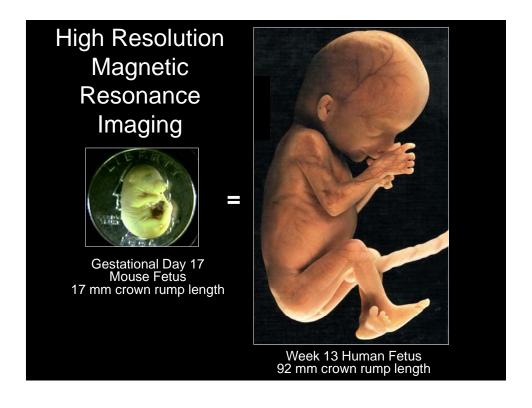


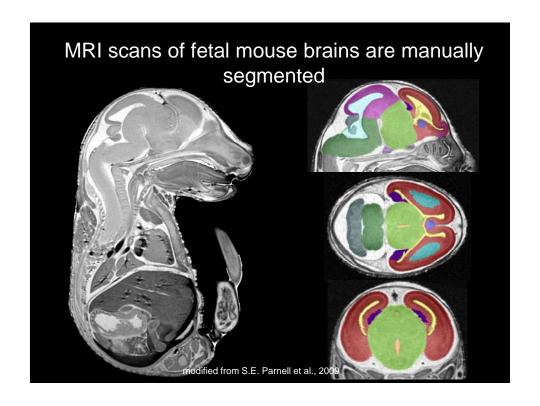


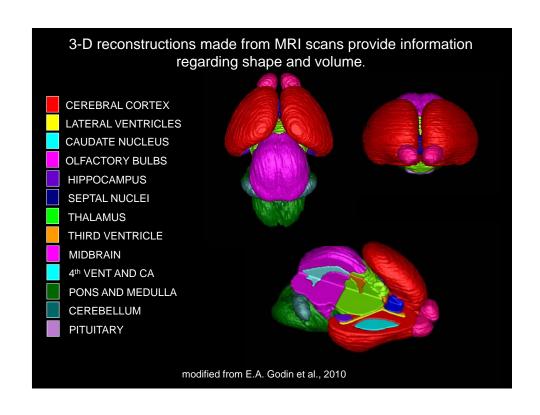


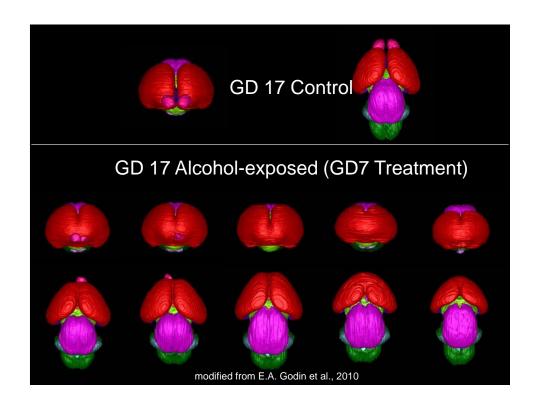
Gestational Day 7 alcohol-induced facial abnormalities range from mild to severe, with the latter falling within the holoprosencephaly spectrum

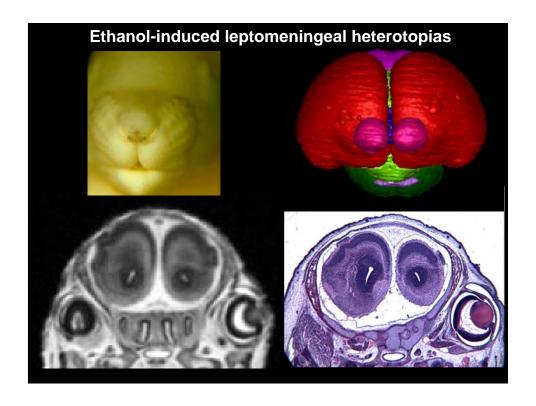


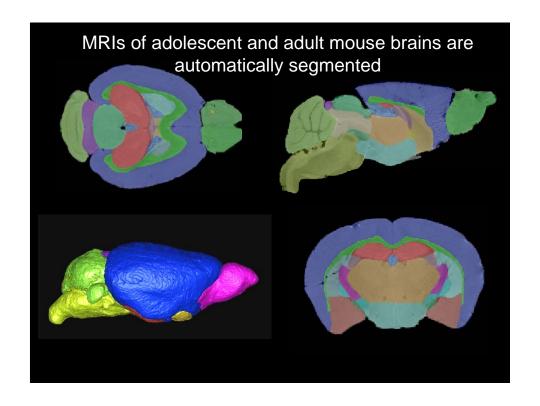


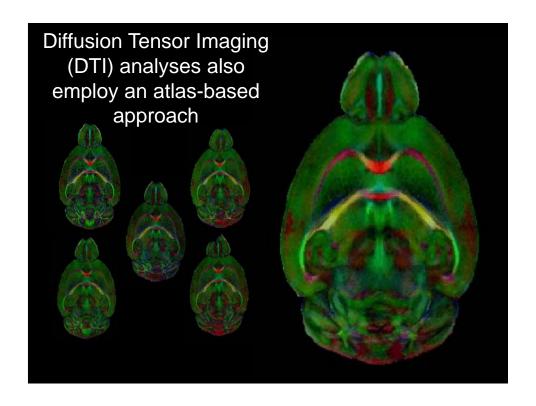


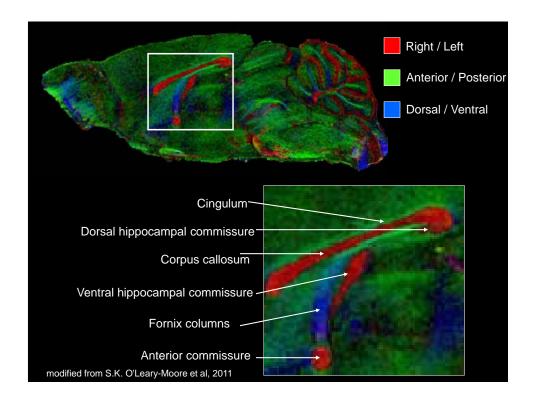


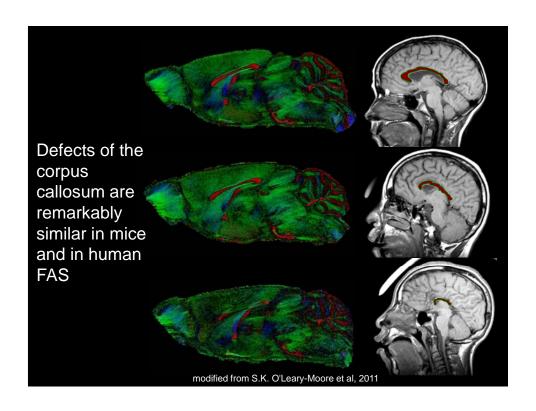


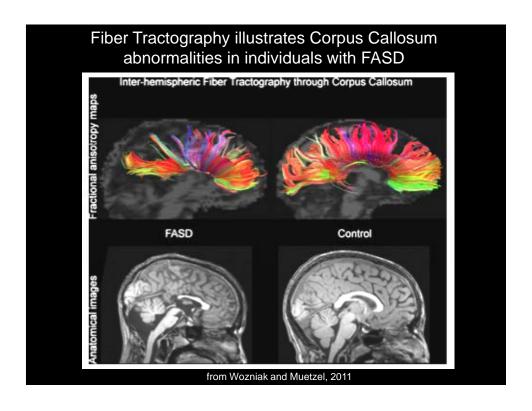


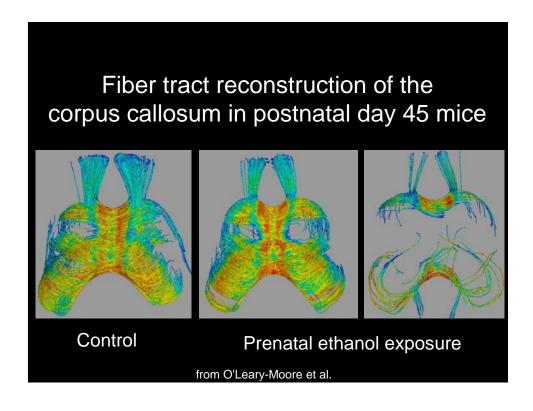


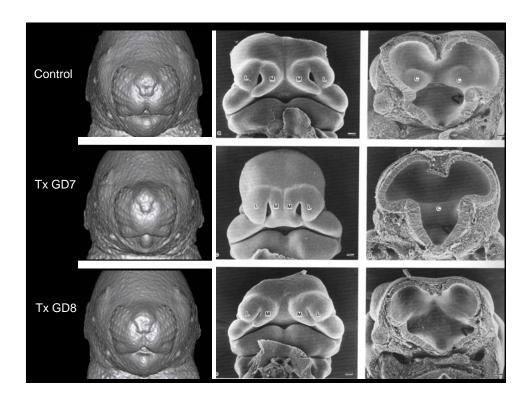


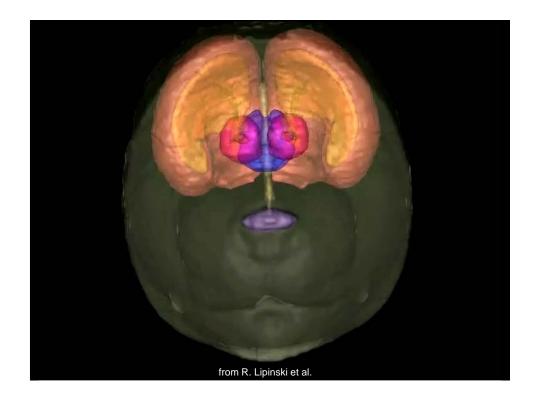




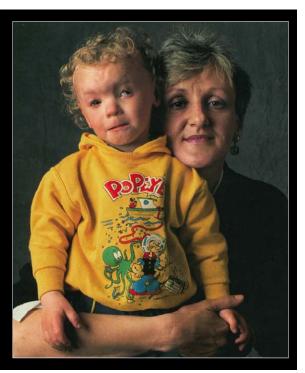






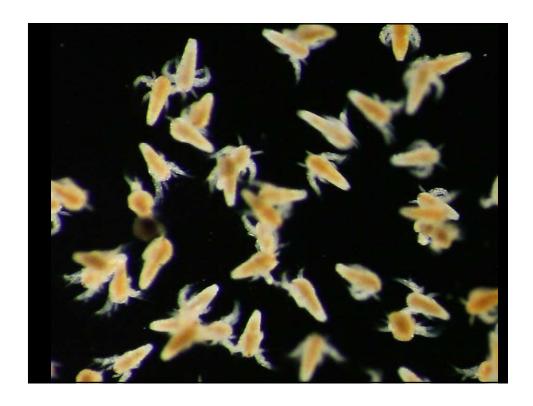


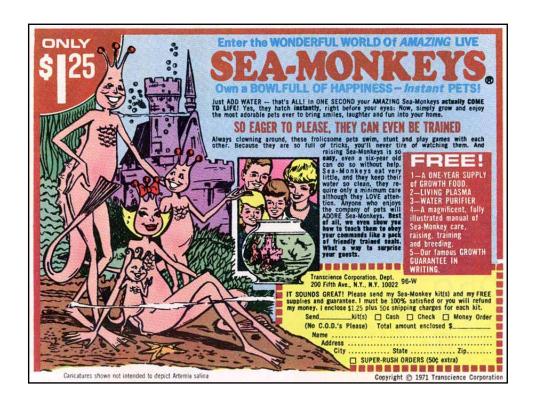
Maternal alcohol abuse can cause permanent CNS damage at virtually any prenatal stage including those stages that occur prior to the time that most pregnancies are recognized



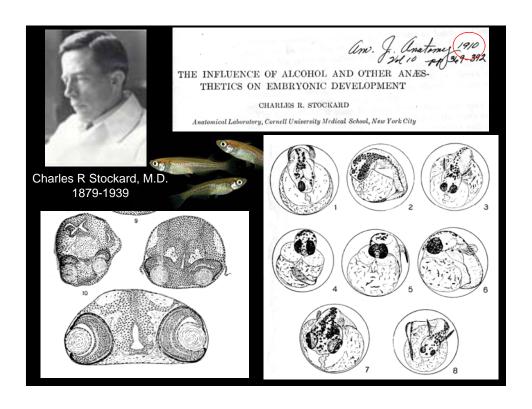
Prevention-directed curricula

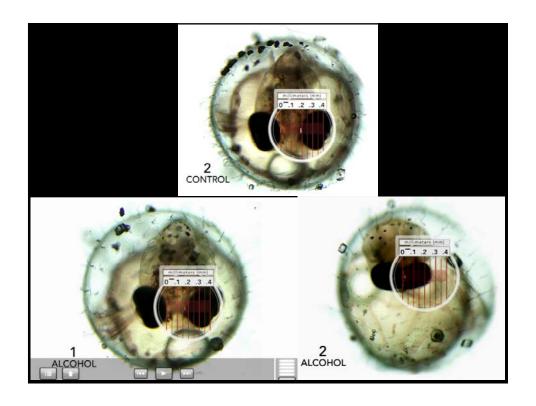


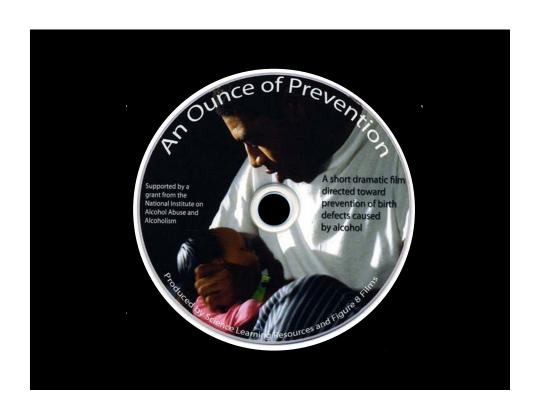














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