1. Unilateral or Bilateral, Isolated cleft(CPorCL) or Combined cleft(CP+CL) and Complete or Incomplete.
2. 1-Variations in vasculature and blood flow to these structure, 2-Alteration in intrinsic palatal shelf force, 3-Failure of tongue to drop down, 4-Rupture of cyst formed at the site of fusion, 5-Non-Fusion of shelves.
3. 1-Kernahan Striped “Y”, 2-Millard Modification of Kernahan Striped “Y”,3-Kriens LAHSHAL.
4. Retrognathia prevents descend of the tongue in the oral cavity preventing secondary palatal fusion.
5. Due to mutation of chromosome 5 which is inherited in autosomal dominant pattern, which results in failed migration of neural crests cells in First Branchial Arch.