

















































Cri-du-chat Syndrome 46,XX,5p-								
07	25	56			11			
75	?(3	1(X	4	5		
K	· · ·	8	9	10	11 200	12 74		
13 16 19	14) { 20	15	21	16	17	<u>з</u>		

























Achondroplasia

- Inherited in an autosomal dominant fashion
- Rhizomelic shorting of limbs
- Short fingers held in a "trident" configuration
- Enlarged head with depressed nasal bridge











Osteogenesis Imperfecta

- Type I: Mildest, blue sclera, multiple fractures during childhood
- Type II: lethal, prenatal fractures
- Type III: progressive deforming some prenatal fractures.
- Type IV: major dental anomalies and skeletal finding.

































Multifactorial Disorder Example: Spina Bifida

- Defect of development of the neural tube.
- Occurs within 28 days of conception.
- Involves paralysis wide range of severity, impaired bowel and bladder function, can cause hydrocephalus, usually normal intelligence.



Folic Acid Supplementation

 400µg per day PRECONCEPTIONALLY can prevent up to 75% of occurrences (Prescription Prenatal Vitamins contain 1 mg).

When there is a previous affected child, an increased dose of 4mg per day PRECONCEPTIONALLY can prevent up to 85% of recurrences. Institute of Medicine 1998

