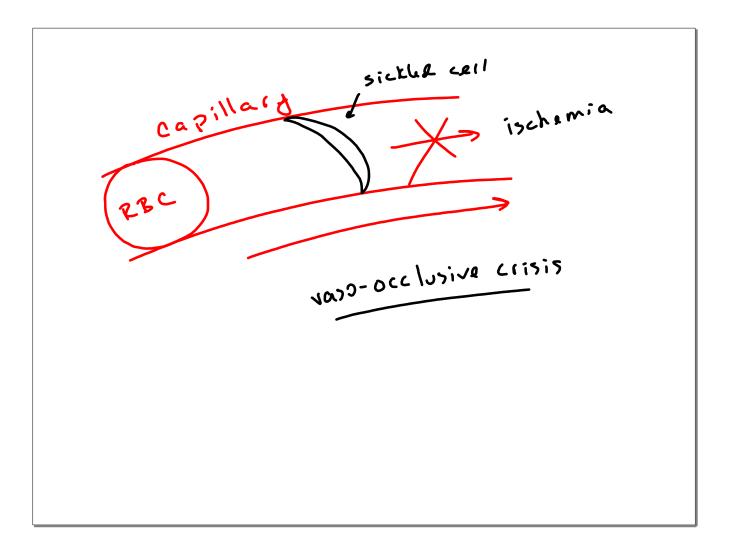
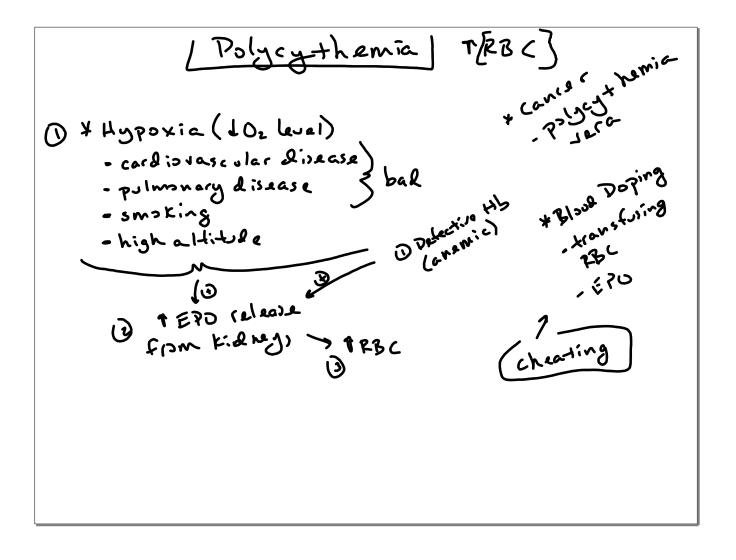
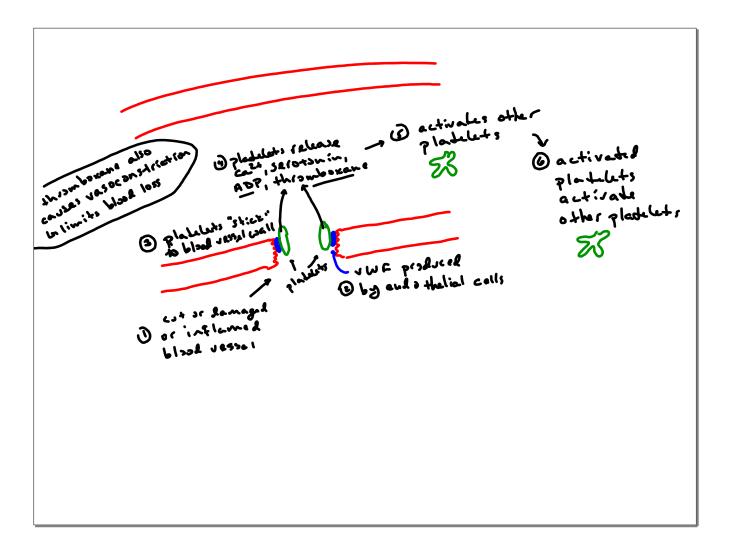


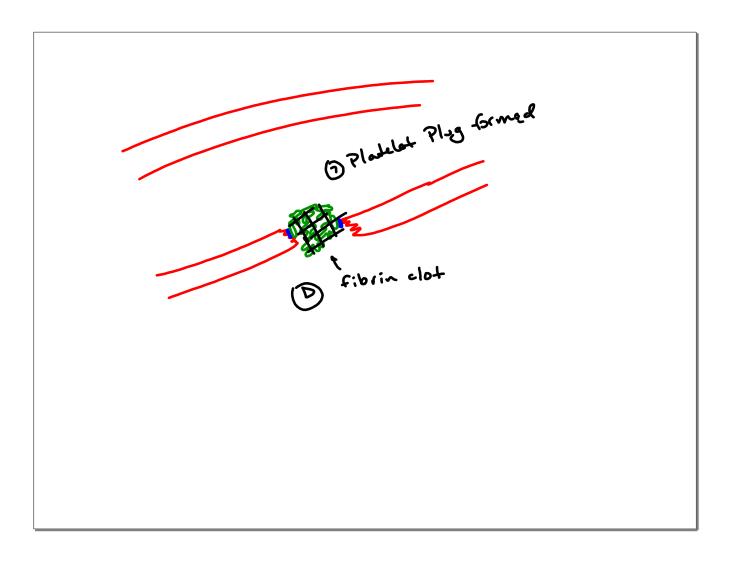
| Pre-hepatic | Hepatic | Obstructive |
|--|---|--|
| * Cauze : Lestruction Of too many RBC's - hemolytic disease - new born * Jaunfice : It indirect bilirabin t direct bilirabin | Cause: liver has Districulty conjugating bilirubin heparitis circhosis pre-term baby | * Cause : difficulty getting Direct bilindin to digestive tract - gallstones - tumor - pancreatitis |
| | * Jaun Lice; 97 indirect bilirubin | * Jaundice Mairect bilirubin |
| * Darker frees * Dorker urine | ¥ Pale Feces ¥ Lisht coloral usine | ¥ Pale Feces Y Dark urine |
| | | |

| Nutrient Deficiency | Bone Marrow Lamage (aplasie) | Genetic |
|------------------------|---------------------------------|--|
| Iron Biz Bg | Aplastic anemia | Thalasemmia - d - B - hemolytic Sickle Cell Anemia - B - hemolytic |

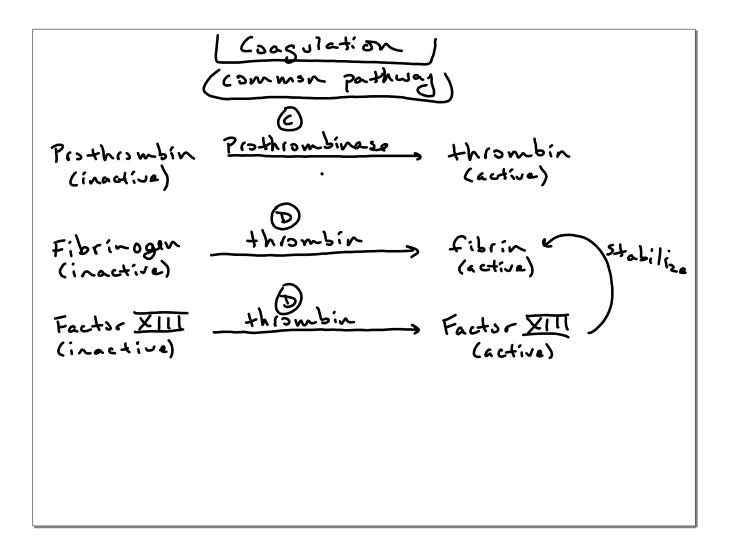


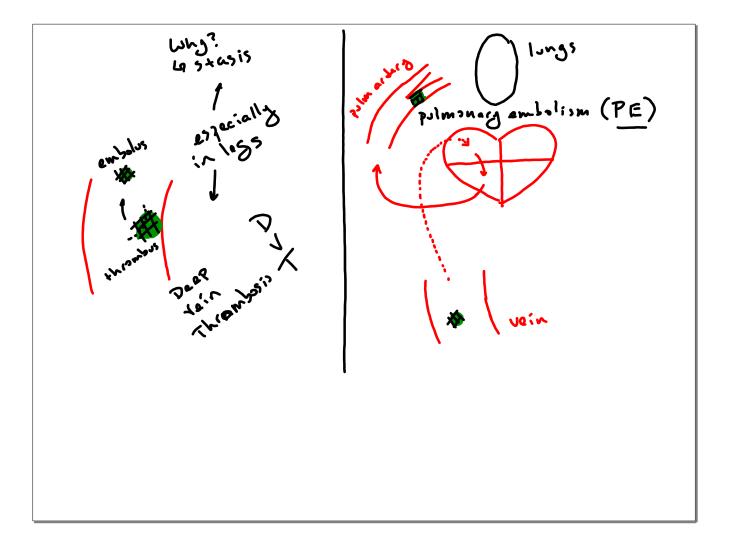


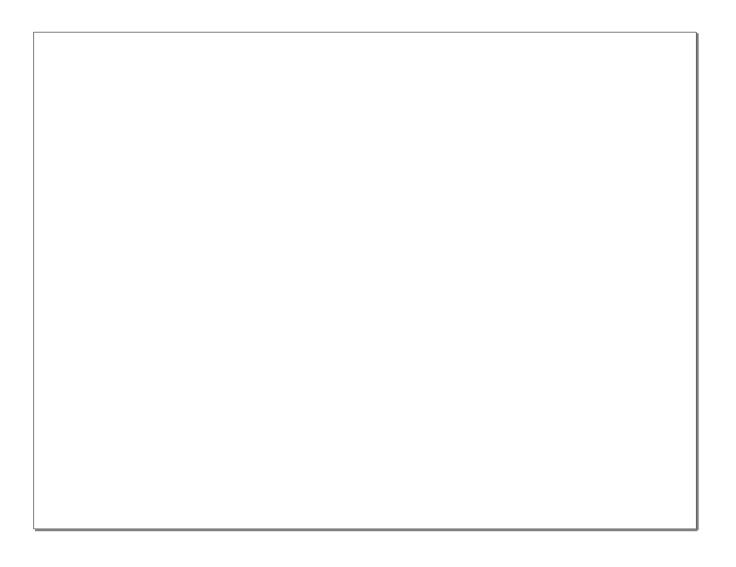


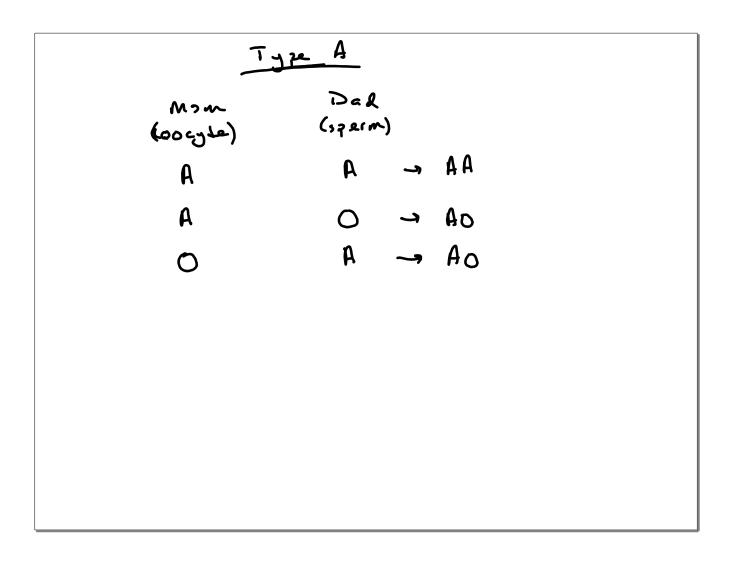


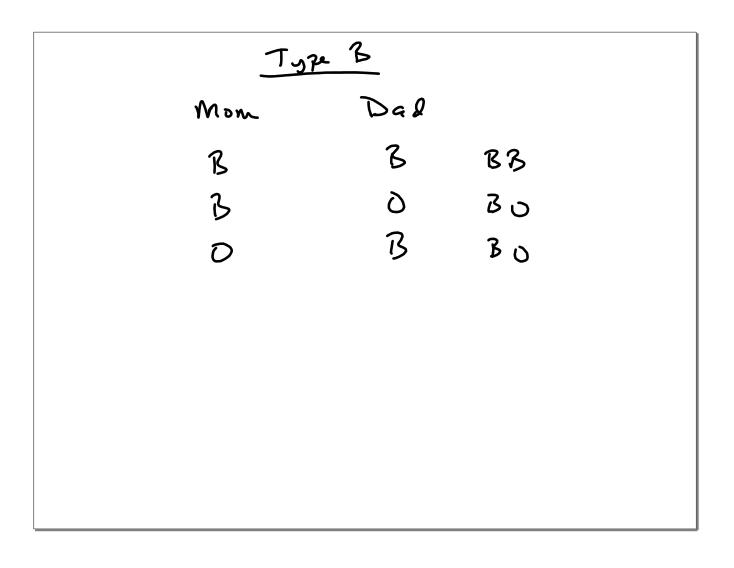
(Coagulatim ~70 326 -93 54C Intrinsic Mechanism (Pathway) Extrinsic Mechanism This mbs plastin is produced and released Hagman factor is activated when exposed into blood by the Lamaged tissue to blood versel wall B Prothrombinase







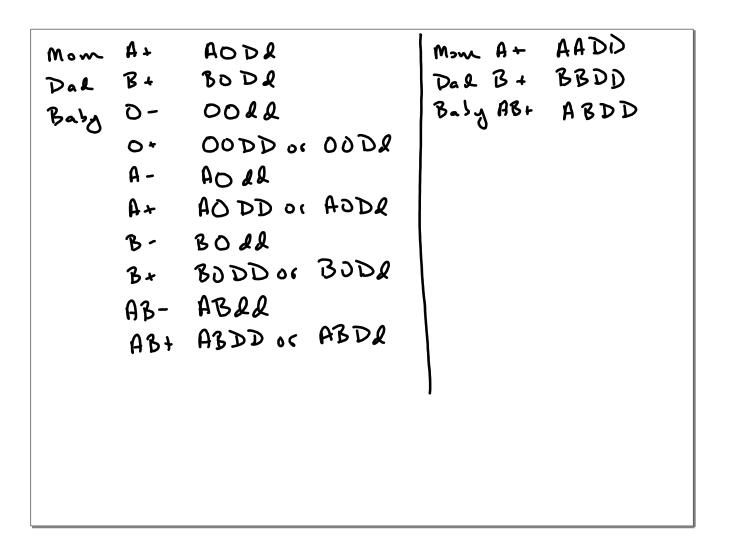


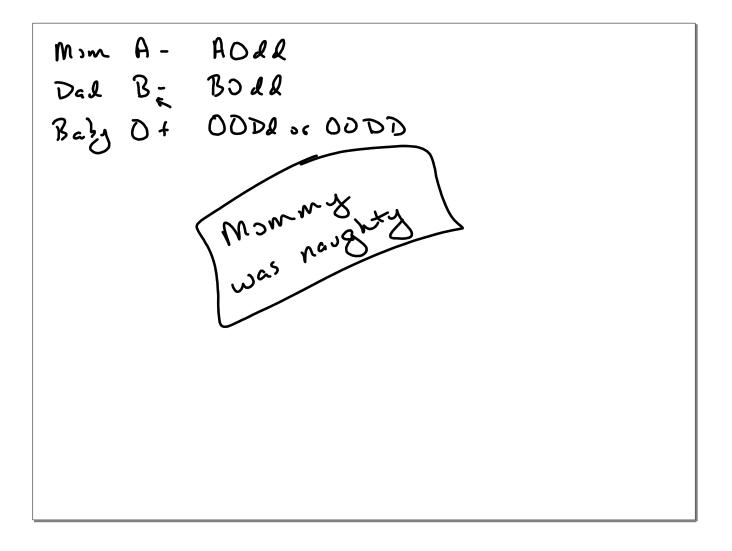


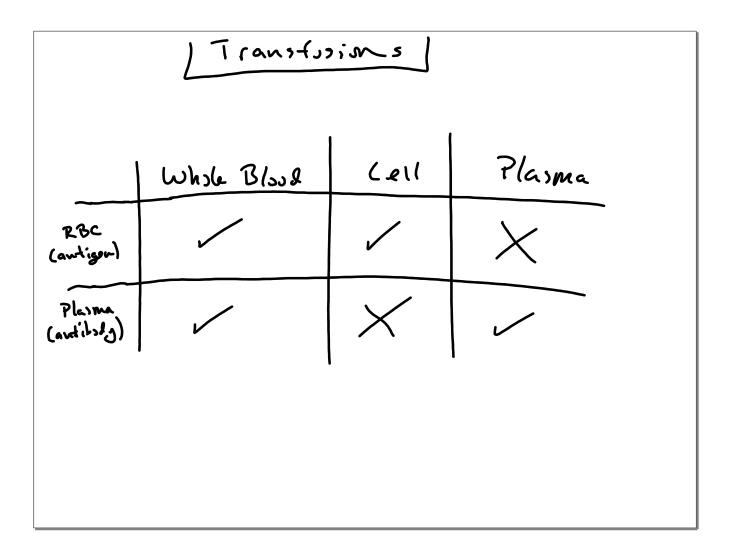
| Ty | ze AB | | | |
|--------|------------------------------|----|--|--|
| Mon | Dad B A | | | |
| A B | B | AB | | |
| B | Ą | AB | | |
| Type O | | | | |
| Mim | H pe D <u>Dak</u> O | 00 | | |
| | | | | |
| | | | | |
| | | | | |

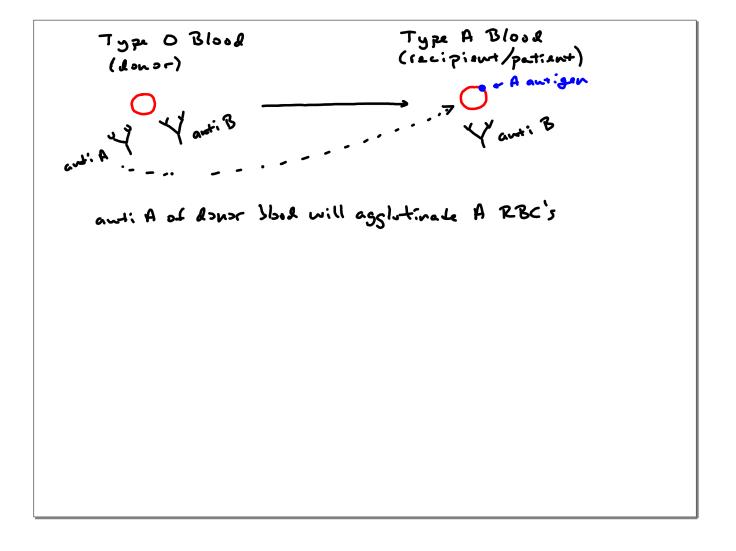
A and B genes are forminant 4 dominant ale explessed O is lecessive Lo two recessive genes needed to be expressed

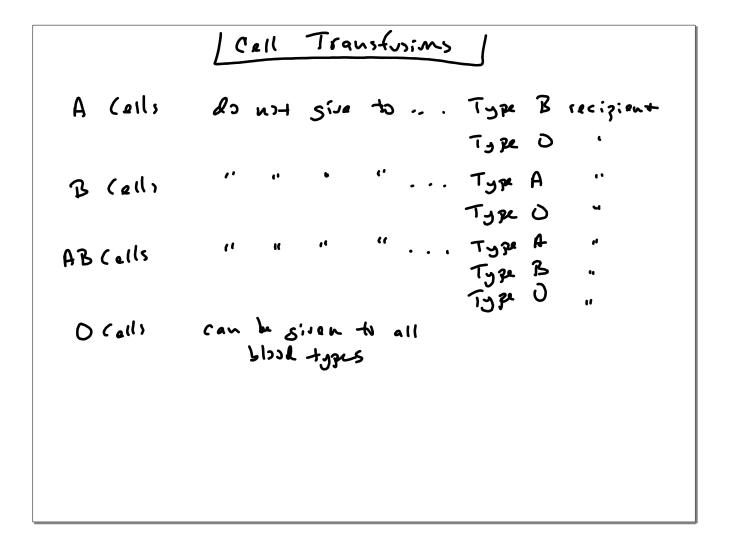
| Pos is Neg Black Type | | | |
|---------------------------|---|--|--|
| Mon D D D | Dal d -> Dd } positive D -> DD } positive | | |
| Mon | Dal 2 sll e negative | | |
| D= & minant &= 100 essive | | | |
| | | | |
| | | | |











* Neg blook /cells can be given to a recigient w. pos slood * Pos blood kells can NOT be Siren to a recipiont w. neg blood Lo Why? h Dantigen is foreign to the immone system of a recipient w. neg blook La anti-D will therefore be produced in the reciziont

E. F. Mom: neg) Il during birthing, baby's 700 J/002 Dal : P00 2 gets into Mom's neg circulation 12 baby: P00) Li Mom produces anti-D If zne baby has pos Llood ... Mom's auti-D will agglutinates baby's D RBC's

