ABO and Rh Blood Grouping ABO Blood Grouping Blood groups are A, B, Ag, O Li Grouping B based on type of Antigen (Type of Sugars) present on susface of RBC

→ Blood group Antigen + int

B = B AB = Both A&B

0 = Absent

- Antibodies of opp. blood group is that in plasma

Antibodies group dearb Anti B Ante A Absent Auti A, Auti B

-) Any Blood cannot be used for Blood transfection Blood has to be carefully matched to prevent coaquiation or clumping (Destruction of RBC)

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TABLE 18.1 Blood Groups and Donor Compatibility			
Blood Group	Antigens on RBCs	Antibodies in Plasma	Donor's Group
A	A	anti-B	A, O
В	В	anti-A	В, О
AB	A, B	nil	AB, A, B, O
О	nil	anti-A, B	0

# Universal Receptent = AB Donor = 0

Rh Blood Goodpha

-> Another Antigen Rh antigen Ps that on surface of KBC

-> This smiler Antigen is also that in Rhesus Monkay

hence named Rh

-> Those Productuals which have this Rh antigen that

ou known as Rh poeiffue of those which have this lh antigen -ut are known as Rh negative

- Majority humans - Nearly 80 percent are Rh tree

. Dering Blood toansfuction Rh motelling should be

# Special Case of Rh motching = Exythroblastosis Footalis

· Condition - Mother > Rh-ve child - Rh +ve

During let pregnancy - No Perue - Normal child As Blood of feeters (Rhtue) & mother (Rhtue)

Ps seperated By placenta

=> During let delivery -> some blood cells of footers Jensons in where of mother therfore formation of

Rh tre Antibolies takes place inside mother Body During Subsequent Programy - The formed Autibodies (Rh antiboltes) crosses placenta & mères with footal

Blood uttendely leading to Blood coagulation which 93 fatal of hence the footes Suffers from Severe

Anemia & Janualice ultimately to its doubt

> To Avoid this condition Mother is administered with Aufi Rh and Hodge Promediately after the delivery of

1st child