

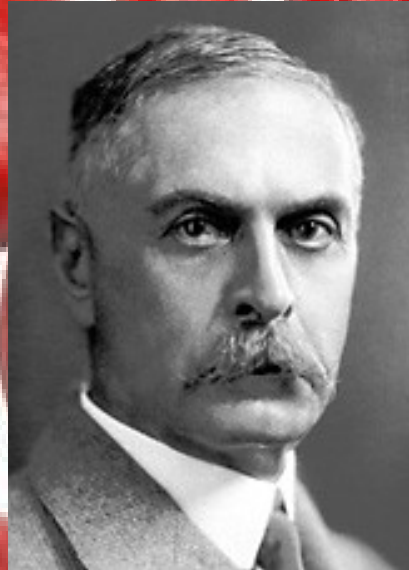


Blutgruppen

Šárka Hrachovinová, učo 457465

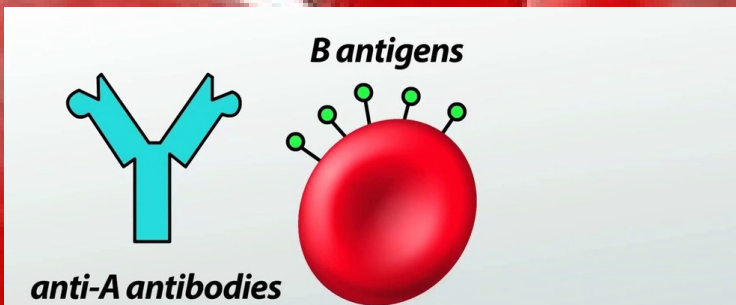
Historie

- 1901 – Landsteiner
 - ABC System
 - AB = Ausnahme
- 1907 – Jan Jánský
 - AB



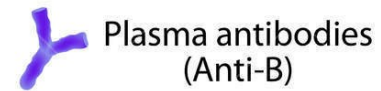
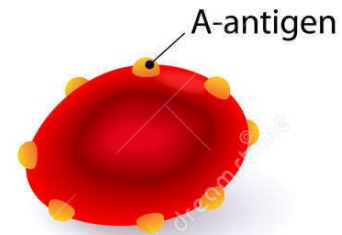
Teilung

- A, B, AB, 0 = ABO System
- Verschiedene Glykolipide
- Antigene
- Immunreaktion
- Antikörper

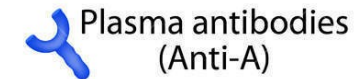


ABO blood group

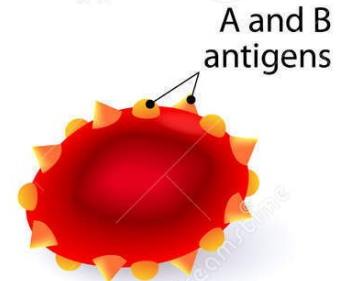
Type A



Type B

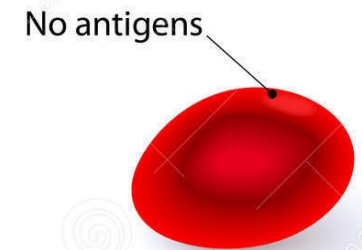


Type AB



Plasma antibodies (none)

Type 0



Erblichkeit

- Chromosomen
- Mutter + Vater = Kind

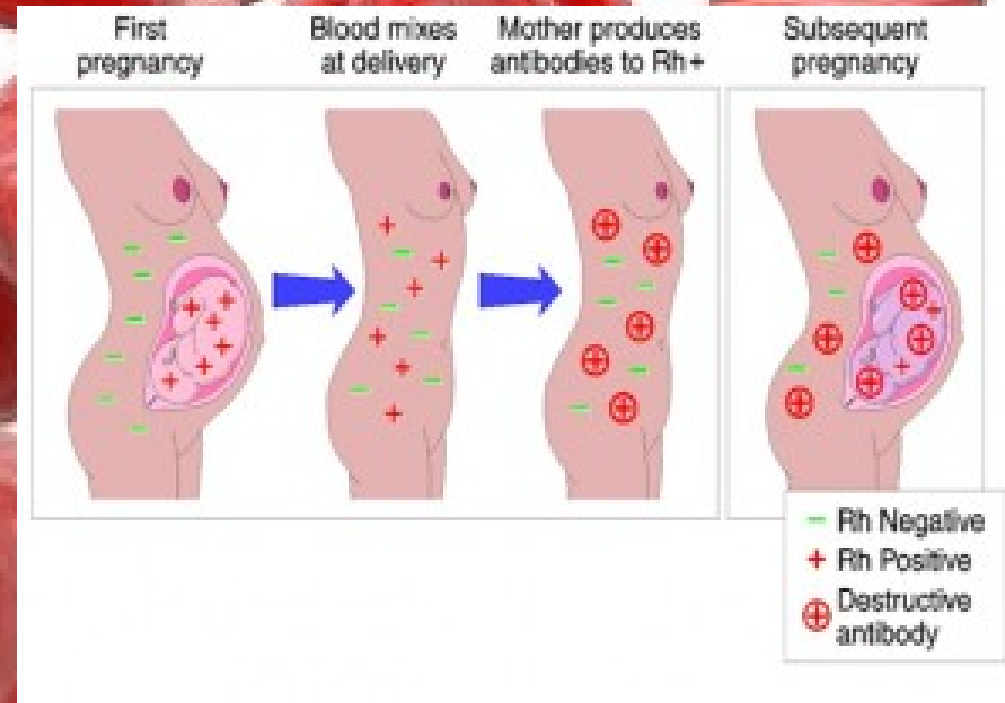
Dědičnost krevních skupin

Matka\Otec	0	A	B	AB
0	0	0, A	0, B	A, B
A	0, A	0, A	0, A, B, AB	A, B, AB
B	0, B	0, A, B, AB	0, B	A, B, AB
AB	A, B	A, B, AB	A, B, AB	A, B, AB

Rhenus Faktor

- Antigen D
- Positiv oder Negativ
- Rh-negativ => keine Antigene, keine Antikörper
- Rh-positiv => Antigene, keine Antikörper
- Problem – Rh-negative Mutter und Rh-positiv Kind

Factor Rh	
Rh (+)	Rh (-)
	
Rh AGLUTINÓGENO	NO AGLUTINÓGENO

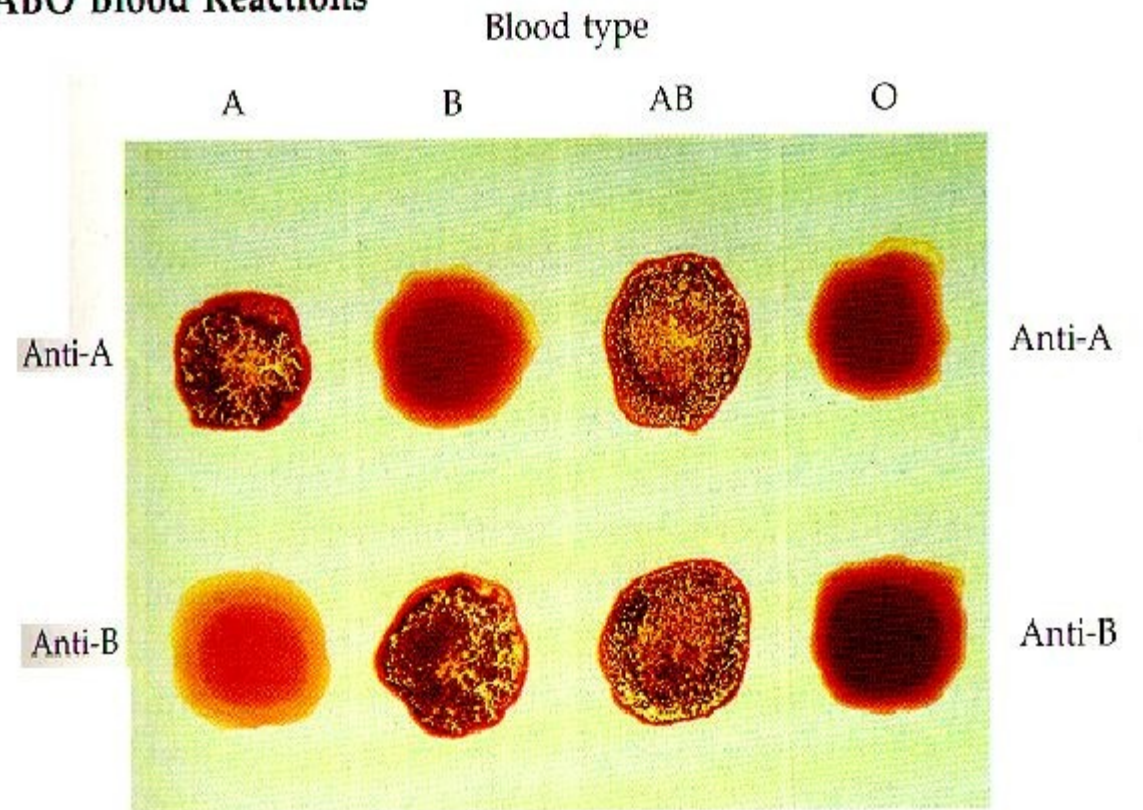


Praxis - Blutgruppe

- Antikörper Anti-A und Anti-B
- Blut

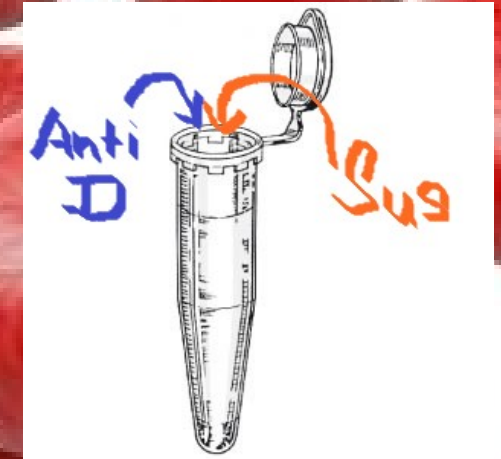
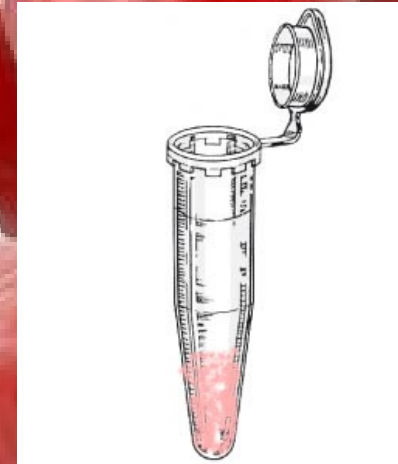
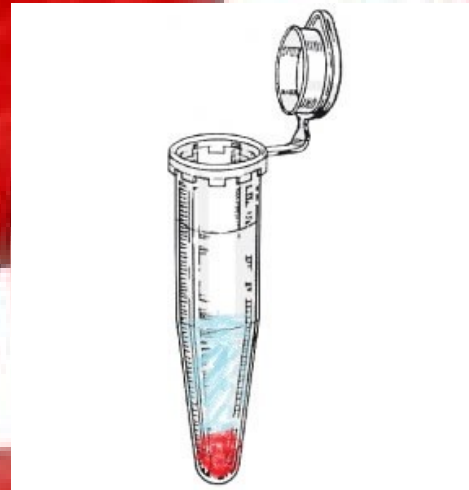
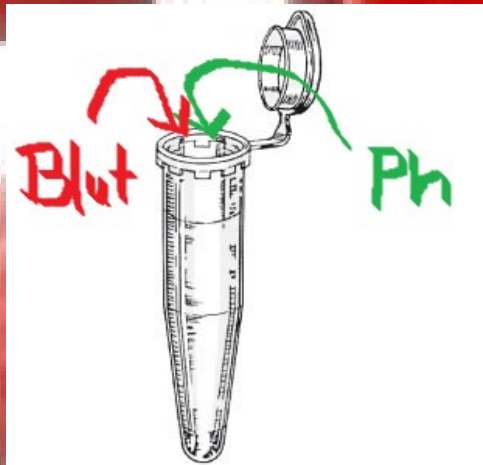
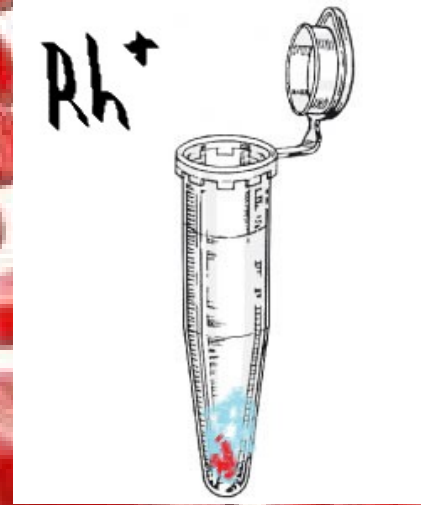


ABO Blood Reactions



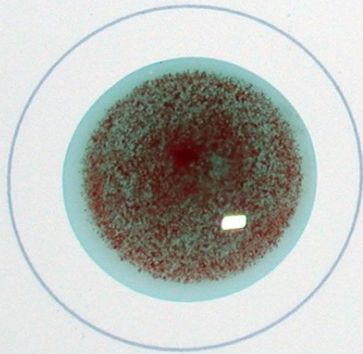
Praxis – Rhenus Faktor

- Blut + Physiologischer Lösung
- Zentrifugieren
- Suspension
- Anti-D

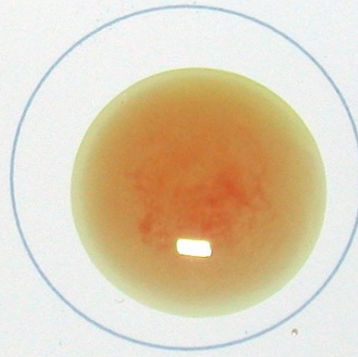


Praxis

Anti-A



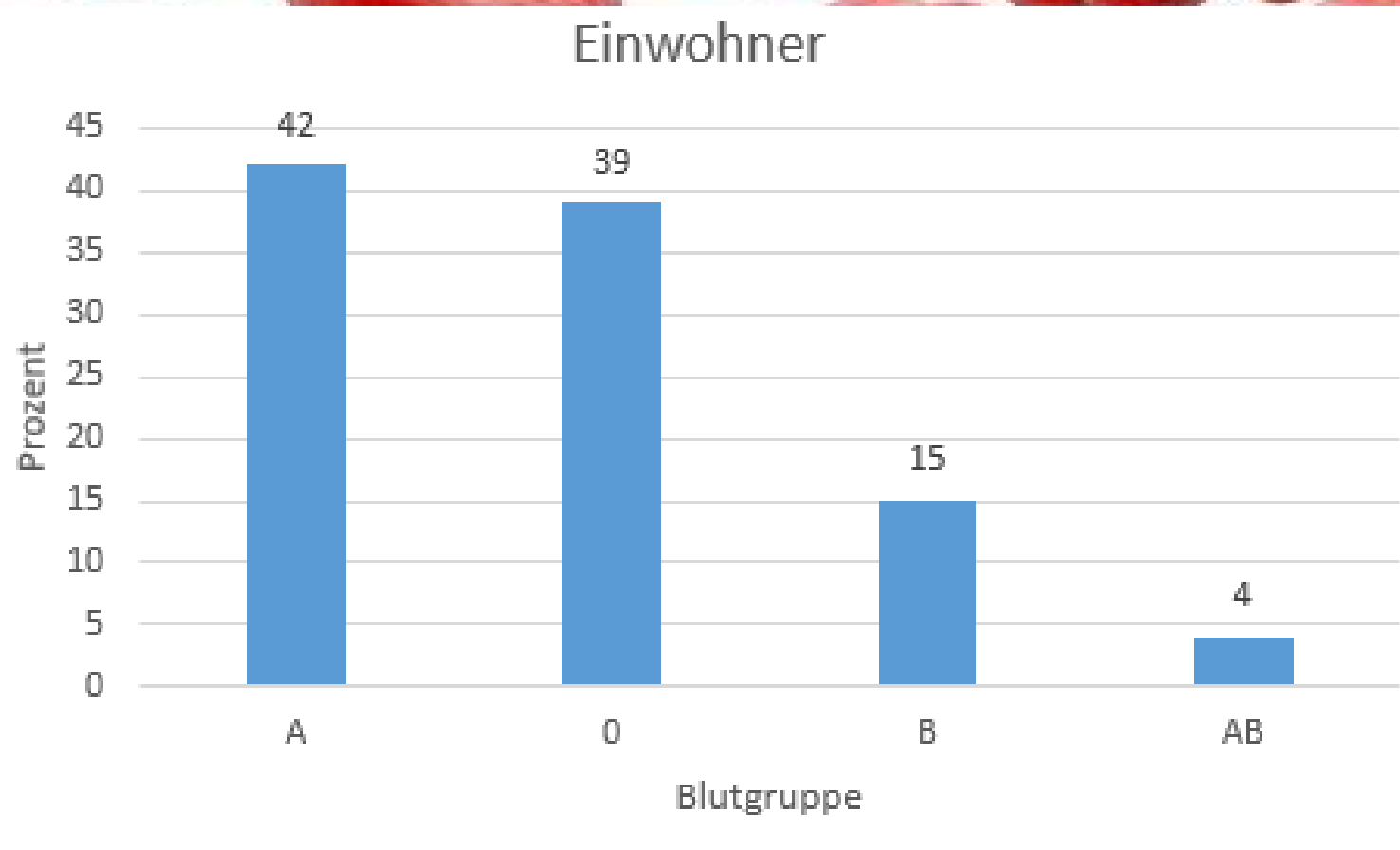
Anti-B



Anti-D



Statistik



85% Rh-positiv

Quellen

The background of the slide is a 3D illustration of numerous red blood cells. The cells are depicted as biconcave discs, with a darker red center and a lighter red outer rim, giving them a realistic, textured appearance. They are scattered across the white background, with some in the foreground appearing larger and more detailed, while others in the background are smaller and more numerous, creating a sense of depth.

- https://cs.wikipedia.org/wiki/Jan_Jansk%C3%BD
- http://www.nobelprize.org/nobel_prizes/medicine/laureates/1930/landsteiner-bio.html
- <https://www.dreamstime.com/stock-illustration-abo-blood-groups-there-four-basic-types-made-up-combinations-type-type-b-antigens-image54320689>
- <http://study.com/academy/lesson/blood-types-abo-system-red-blood-cell-antigens-blood-groups.html>
- <http://www.zbynekmlcoch.cz/informace/texty/zdravi/jak-zjistit-krevni-skupinu-postup-princip>
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- http://www.dispolab.sk/product.php?id_product=250
- <https://dieta.vitalia.cz/clanky/krevni-skupina-ovlivni-vas-zivot/>



Danke für Ihre Aufmerksamkeit 😊