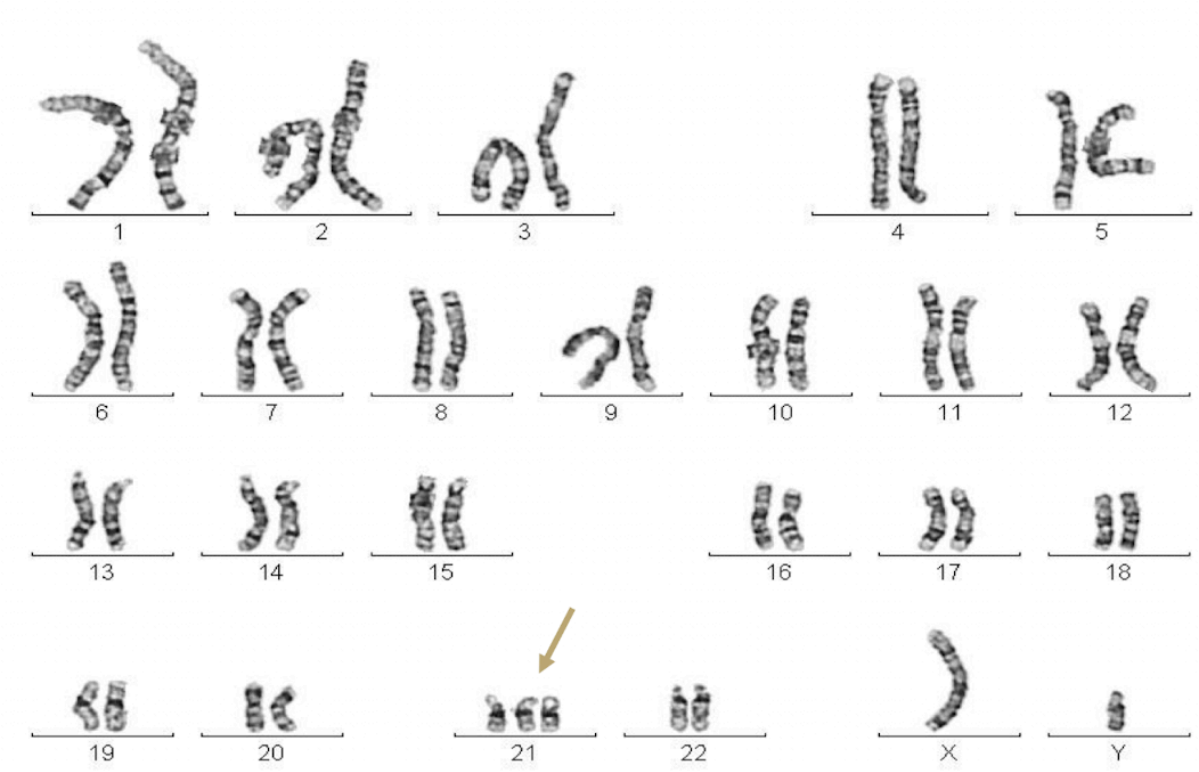
# Down-Syndrom

Karyogramm

Translokationstrisomie

Genetik

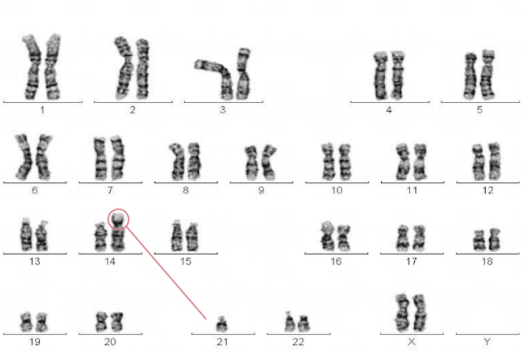
## Karyogramm




## Translokationstrisomie



46,XX,der(14;21)(q10;q10),+21

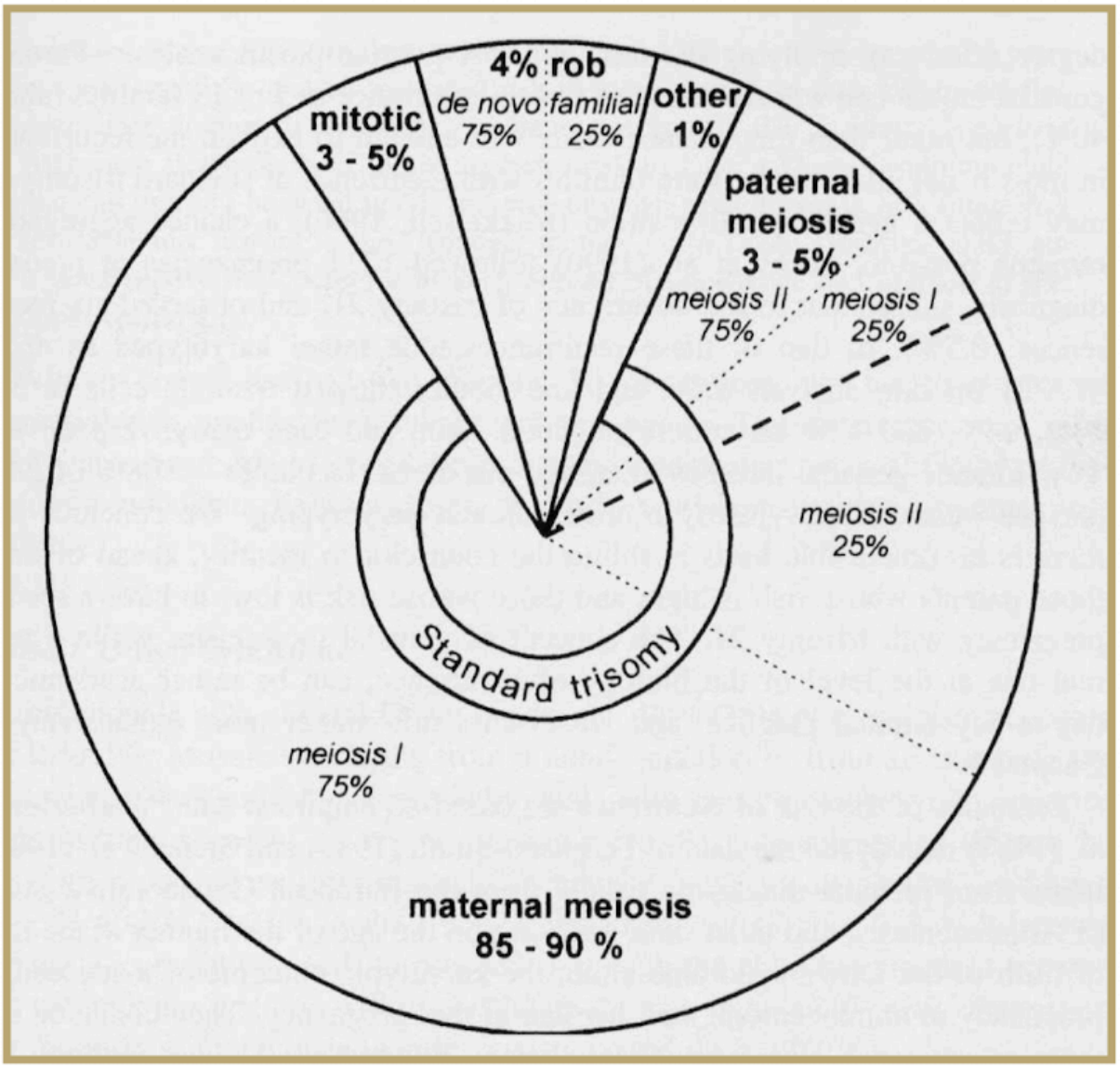


45,**,der(14;21)(q10;q10)

*siehe Robertson'sche Translokation*

# Genetik

| | |
|---|---|
| freie Trisomie 21 | 94% |
| Mosaiktrisomie | ca. 3% |
| Translokations-Trisomie | ca. 3% |


4% rob
de novo 75%
familial 25%
mitotic 3 - 5%
other 1%
paternal meiosis 3 - 5%
meiosis II 75%
meiosis I 25%
meiosis II 25%
Standard trisomy
meiosis I 75%
maternal meiosis 85 - 90 %