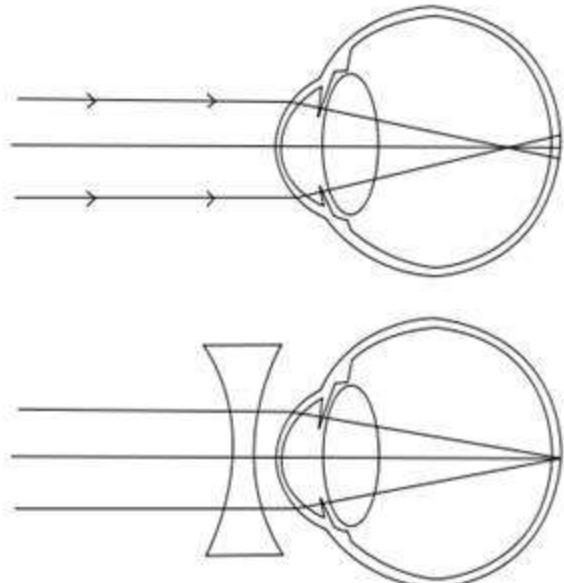
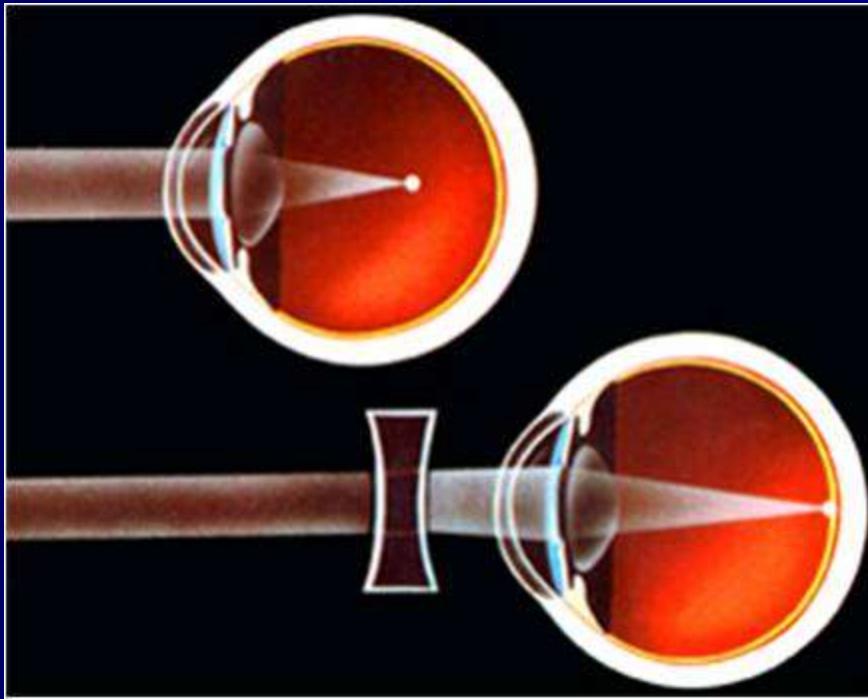


Refrakcija oka

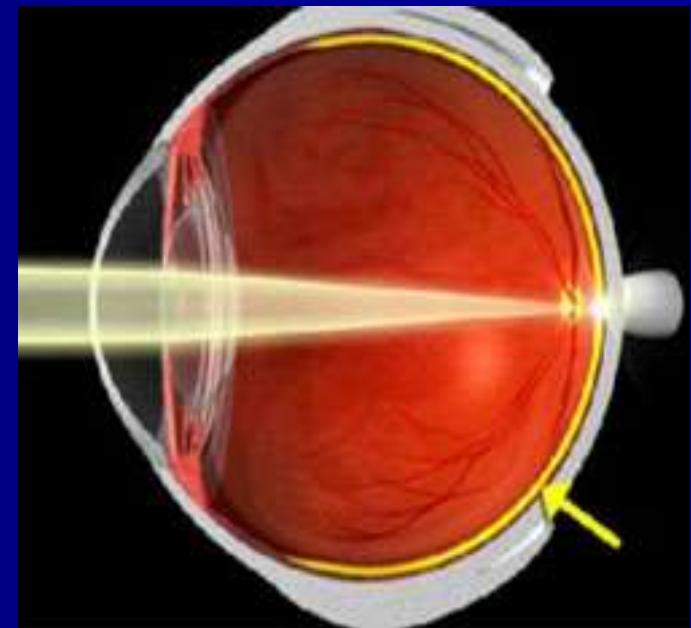
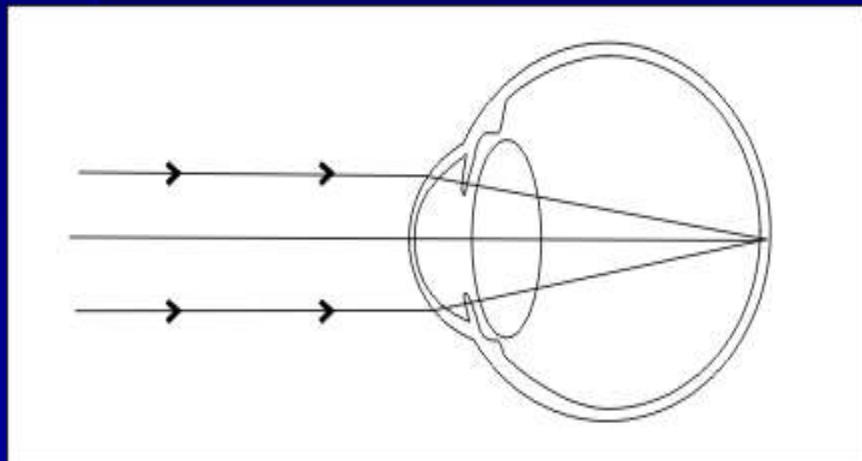


- Moć prelamanja optičkog sistema
- Dužina oka
- Odnos koji postoji između dužine oka i njegove moći prelamanja naziva se refrakcijom



■ Emetropia

Optički sklop oka koji omogućuje paralelnim svetlosnim zracima ta se seku tačno na mrežnjači, makuli lutei.



■ Dužina očne jabučice-24mm

25mm: -3Dpt

26mm: -6Dpt

27mm: -9Dpt

28mm: ?

30mm: ?

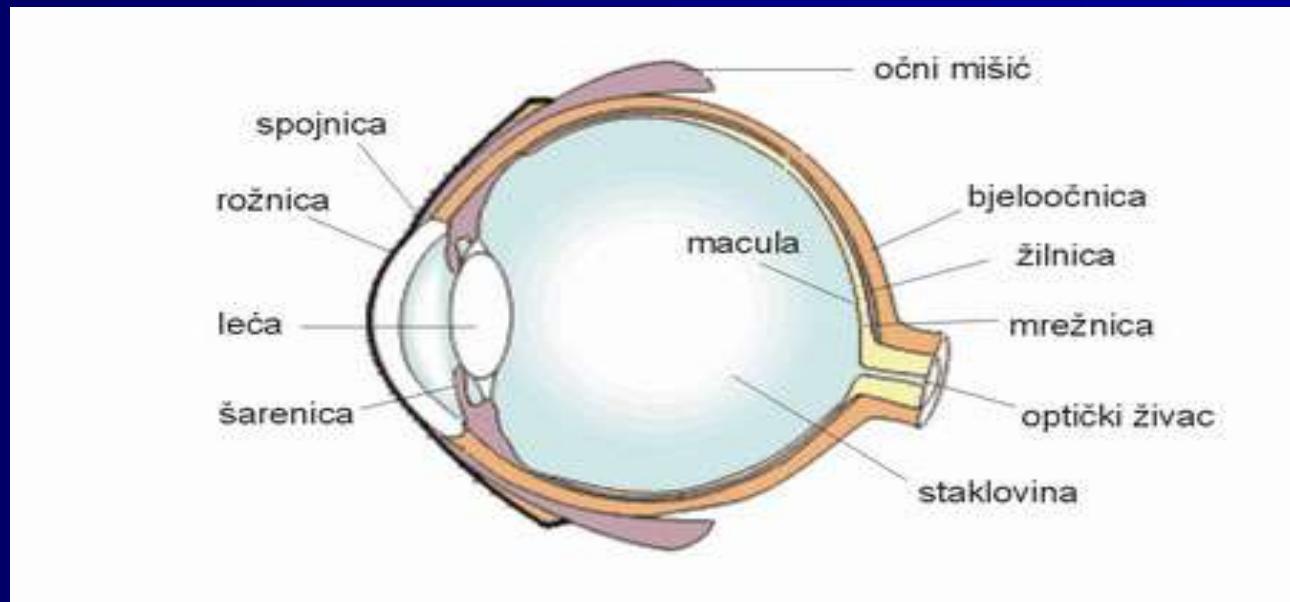
23mm: + 3Dpt

22mm: + 6Dpt

21mm: + 9Dpt

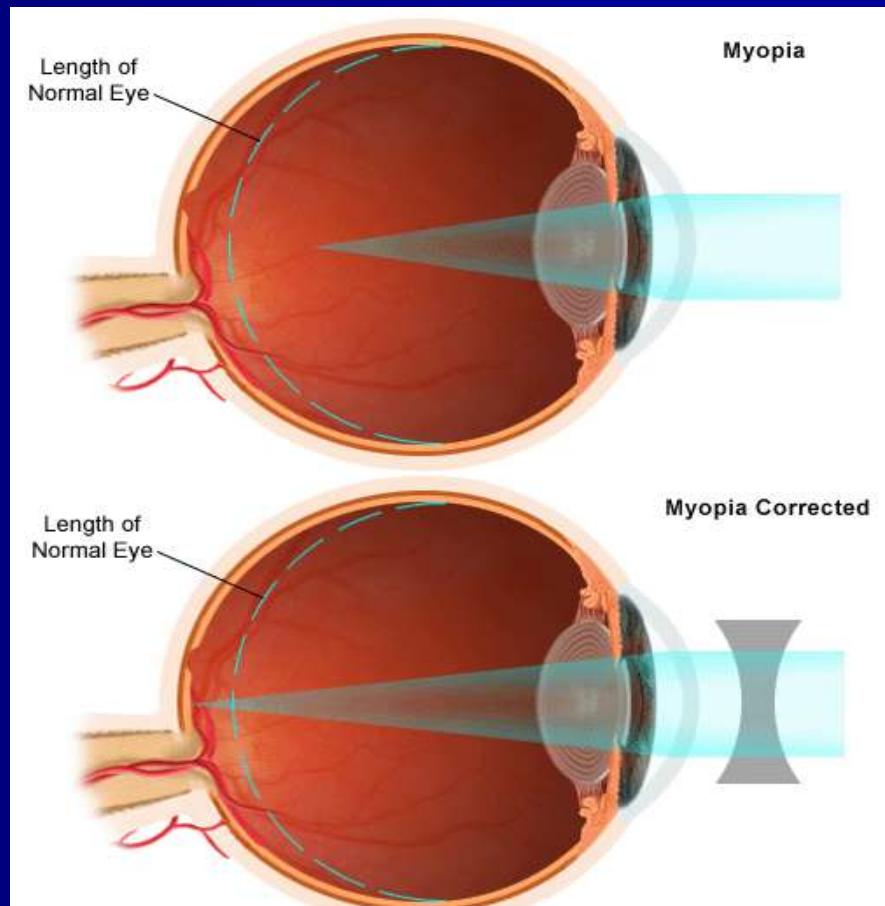
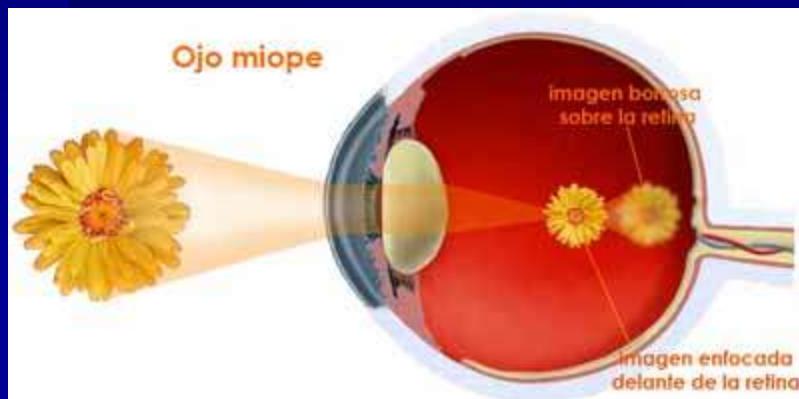
20mm: ?

- Prelomna moć Corneae: 43Dpt
- Prelomna moć Sočiva 17Dpt



Myopia-kratkovidost

- Duža optička osovina, ili jača prelomna moć
- Daje se rasipno sočivo



- Benigna-školska miopija
- Progresivna maligna miopia.

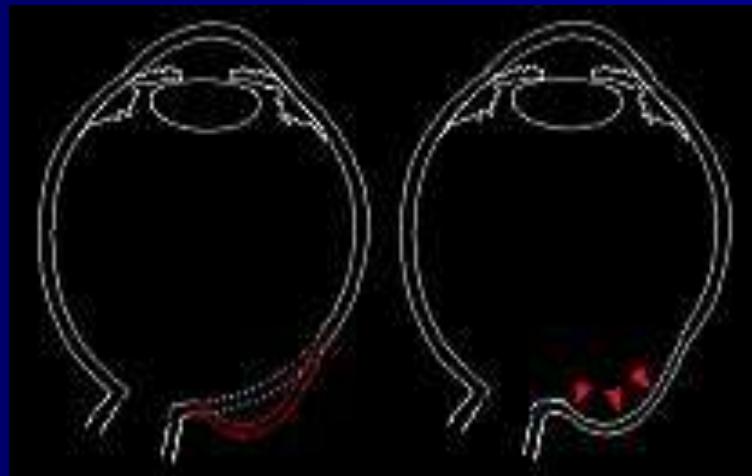
Benigna-školska miopia

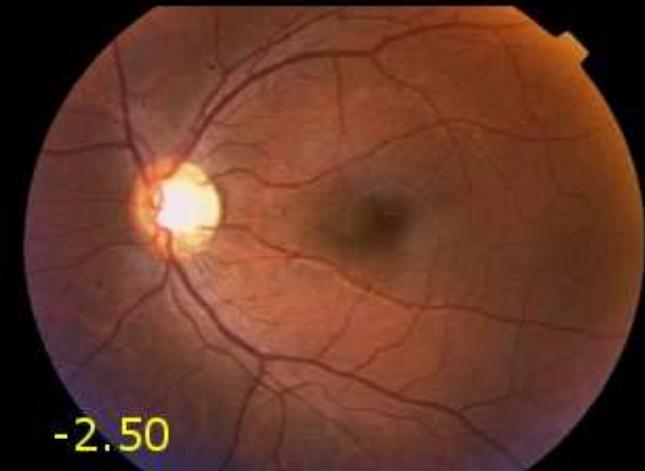
- Između 6-8 godine.
- Pojačava se u pubertetu
- 5-7 Dioptrija
- Dugotrajni rad na blizinu



Progresivna-maligna miopia

- Može dostići 20-30Dpt
- Usled slabosti skleralnog tkiva dolazi do istezanja zadnjeg pola oka i pojave degenerativnog promena na vidnom živci i retini.





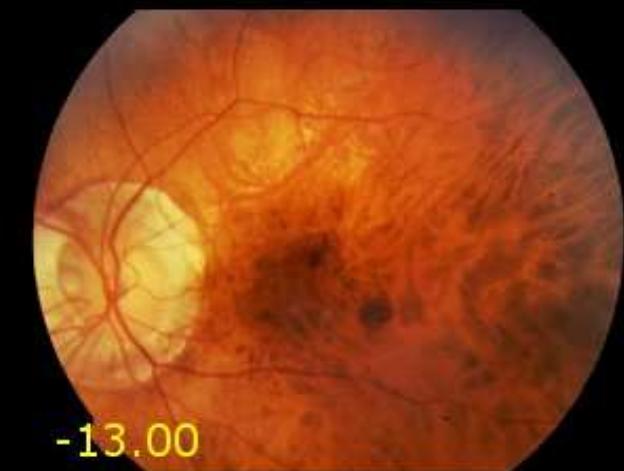
-2.50



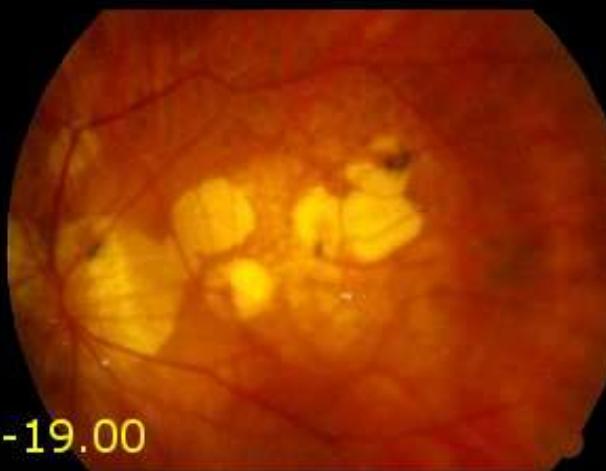
-4.50



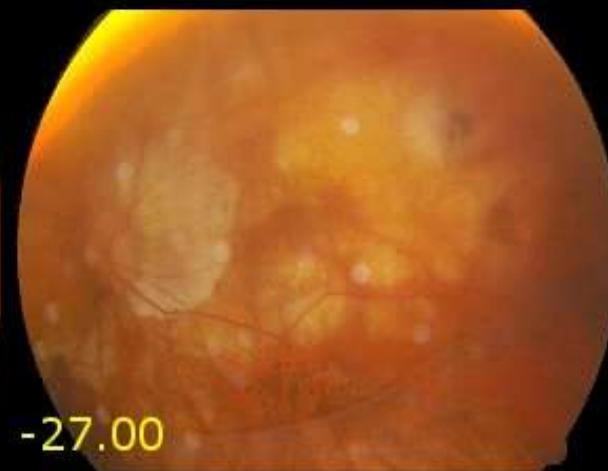
-8.00



-13.00



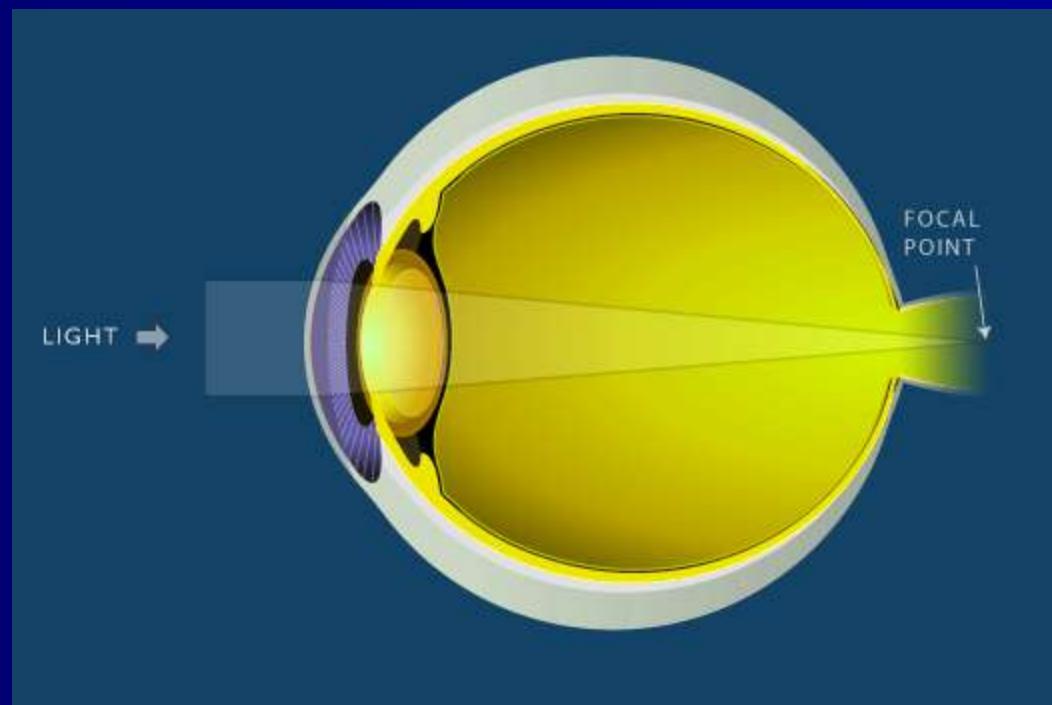
-19.00



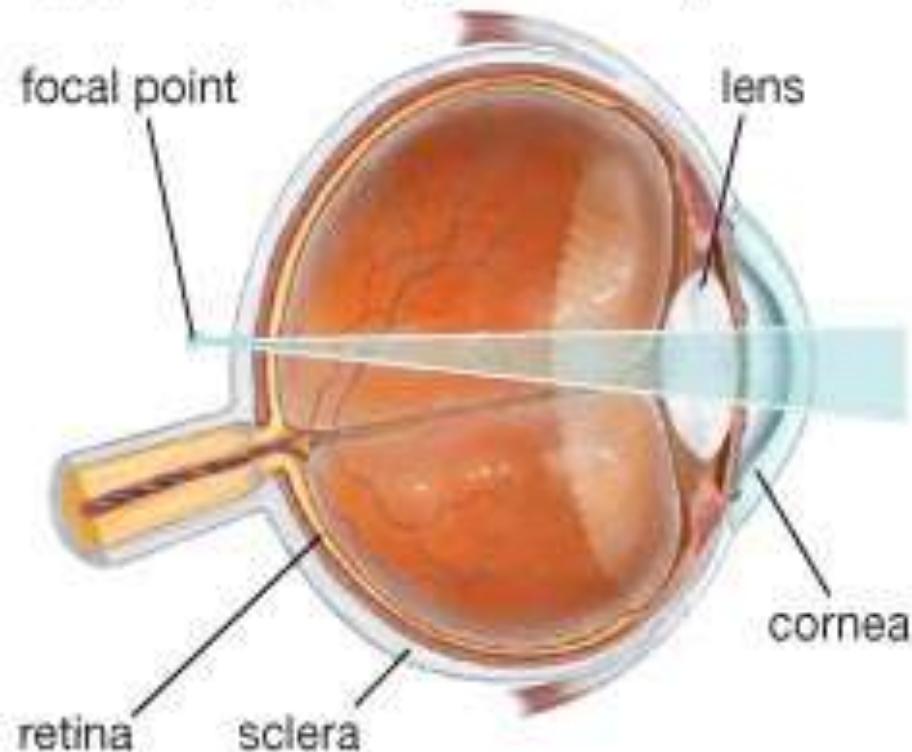
-27.00

Hypermetropia

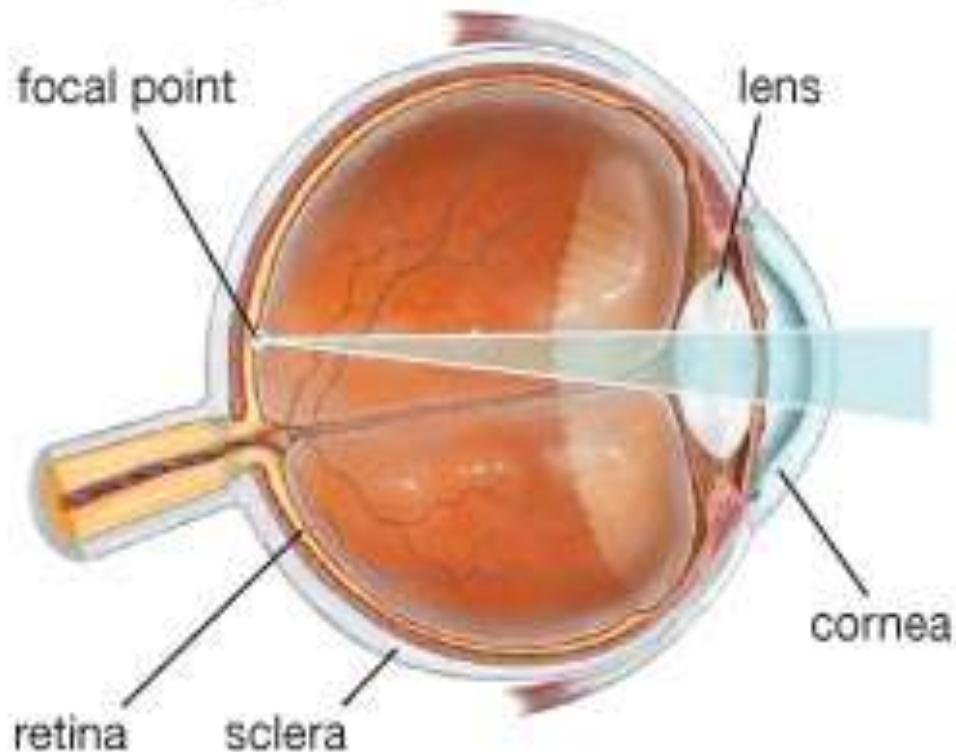
- Kraća osovina oka ili smanjena moć prelamanja

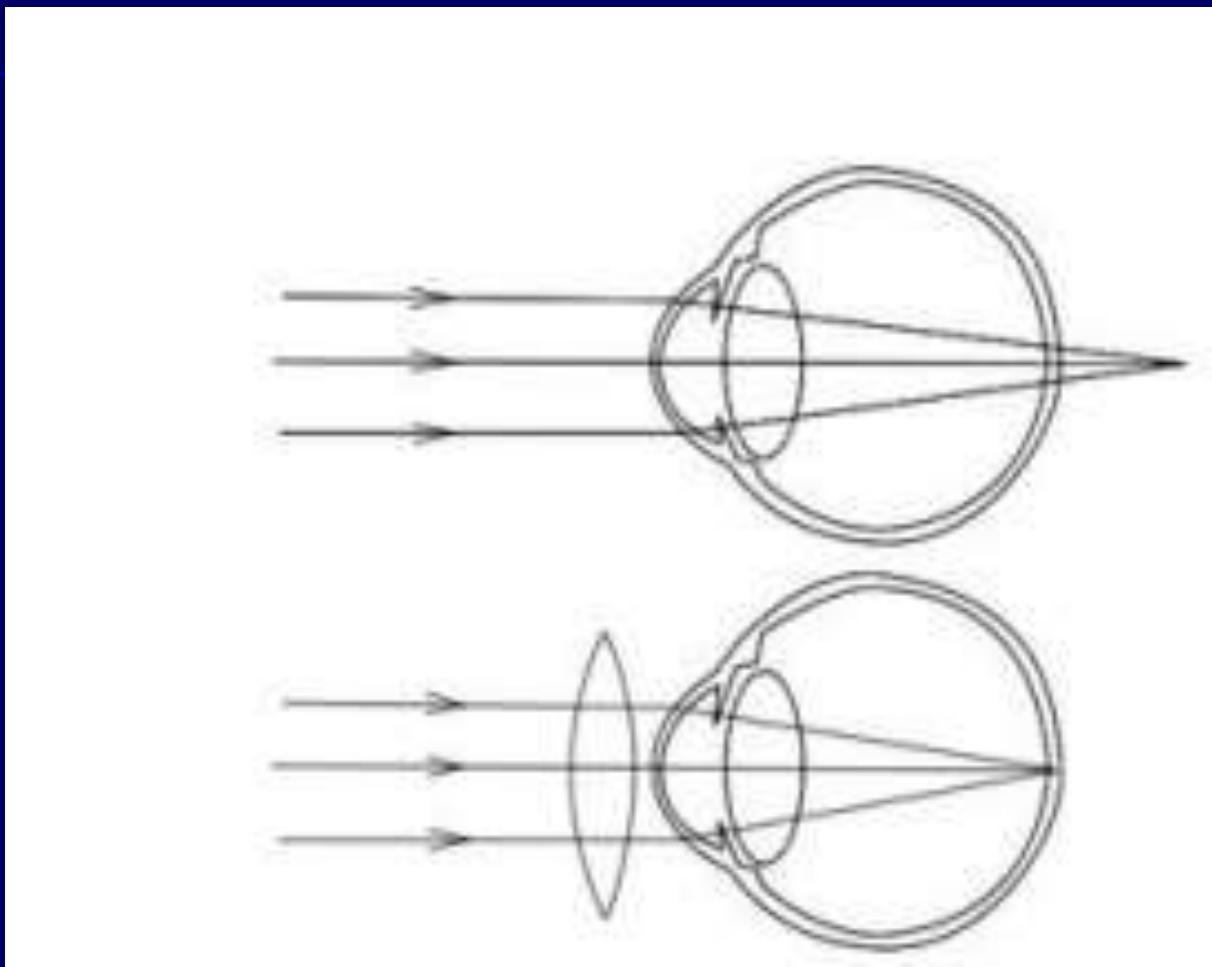


Hyperopia (farsightedness)



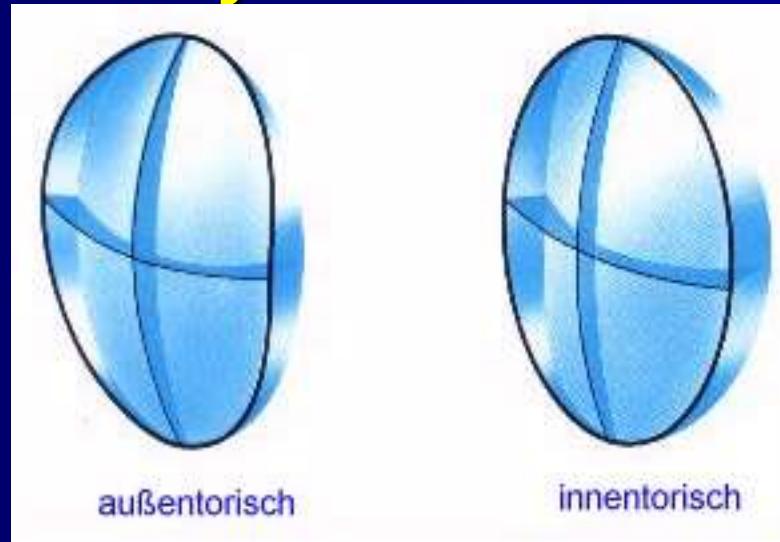
Normal eye



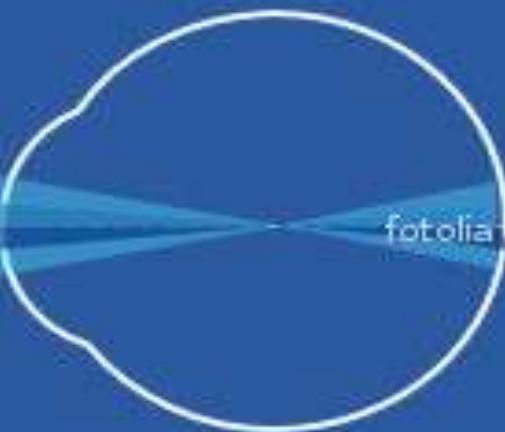


Astigmatismus

- Stigma-tačka
- Svetslosni snop se ne prelama u jednoj tački već u više tačaka.
- Anomalija zakrivljenosti korneae.



Astigmatismus



- Myopni astigmatizam
- Hypermetropni
- Mixtus



lečenje



HVALA NA PAŽNJI

