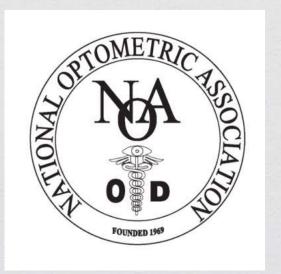


Warning Signs & Symptoms Children's Vision

Ruth Y. Shoge, OD, MPH, FAAO Assistant Professor, Salus University CEO, RYS Consultants drruth80@gmail.com







Vision Care Through The Years – Kids Edition

- When should my child see 20/20?
- When should my child have their eyes examined?
- What signs or symptoms should I be looking for?
- What are the recommendations for digital devices?
- What if my child has a concussion?



Visual Development

Visual Acuity

Birth 20/400

6 months 20/150

1 year 20/100

3 years 20/60

5 years 20/30 or better



When Should My Child Have An Eye Exam?

American Optometric Association Recommendations

- 6 months
- 3 years
- 5 years
- Annually once in school
- Are online tests ok?



Infant + Toddler Visual Needs & Expectations

Birth to 2 years

- Can see up close
- Eyes are still learning to coordinate
- Good vision predates good motor coordination
 - Appropriate use of toys and lights
 - Floor/tummy time
 - Encourage crawling and creeping
 - Play games to work on
 - Hand-eye coordination
 - Visual memory
 - Fine motor skills

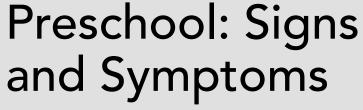




Infant + Toddler: Signs and Symptoms

- Excessive tearing may indicate blocked tear ducts
- Red or crusted eyelids may be a sign of an infection
- Constant eye turning may indicate poor muscle control
- White pupil may be a sign of a cataract or eye tumor
- Family history #1 reason kids get an eye exam





- Delays in development
 - Not yet walking
 - Clumsy
 - Recognizing colors, shapes, letters
- Turning of an eye (in or out)
 - Amblyopia or "lazy eye"
 - Strabismus
- Squinting/Sitting too close to the TV
- Covering an eye
- Avoiding detailed activities
- Eye rubbing





School-Aged Visual Needs and Expectations

- Efficient and comfortable vision
 - Increased reading and homework demands
 - Print gets smaller
 - Reading comprehension
 - High emphasis on retention
 - Computer use
- Education and sports could suffer
- Vision may change frequently
- School screenings alone aren't enough
 - Most helpful if a child is near-sighted



• Headaches

• Eyestrain

Frequent eye rubbing or blinking

• Double Vision

• Covering one eye

• Head tilt or turn

• Fatigue

• Losing place when reading

Poor performance in school

• Avoidance



Kids and Digital Devices

Computer use prevalence





Kids and Digital Devices

Recommendations by the American Academy of Pediatrics

- Preschool
 - Under 2 years no use except for video chatting
 - 3-5 years limit to 1 hour per day for educational purposes
- School-Aged consistent limits on time spent on devices





- Take frequent breaks!
- Remember the 20/20/20 Rule
 - Take a break every 20 minutes
 - Look at least 20 feet away (get moving!)
 - Breaks should be <u>at least</u> 20 seconds
- Blue-blocking lenses?







Concussion in Kids

- Remove from play
 - Reduce likelihood of another concussion
 - Multiple concussions can have a cumulative effect
- See a special OD
- Treatment
 - Glasses tinted lenses
 - Prism
 - Vision therapy
 - Rest!





Next Steps

- Self-reflection did you start wearing glasses at an early age?
- Take an inventory of your child's symptoms
- Watch for the signs
- Find a child-friendly optometrist
- Practice good visual hygiene
 - Frequent breaks
 - Appropriate working distance
 - Wear glasses if prescribed
- Visit your eye doctor annually once school-aged



Thank you!

