

Implementing a Successful Otoacoustic Emissions (OAE) Hearing Screening Program in Educational Settings



Video Tutorial Knowledge Check

- Hearing loss is _____ birth defect in the U.S.: (check one)
 - a) the rarest
 - b) the most common
 - c) an easily observable
- The incidence of hearing loss _____ between birth and school age: (check one)
 - a) decreases
 - b) doubles
 - c) remains the same
- OAE hearing screening can be done in: (check all that are true)
 - a) educational settings
 - b) health care settings
 - c) homes
- OAE hearing screening: (check all that are true)
 - a) can be completed while a child is asleep
 - b) can be used with children as young as a day old
 - c) can only be conducted by an audiologist
 - d) is the most reliable method to use with children birth to three years of age
 - e) can help identify children with a mild hearing loss or a hearing loss in one ear
 - f) is typically conducted by most health care providers during well child check ups
- A normal, healthy, functioning inner ear (cochlea) responds to sound by: (check all that are true)
 - a) sending a signal to the brain and an emission back through the ear
 - b) removing blockage in the outer ear canal
 - c) eliminating fluid in the middle ear
- Children with which of the following conditions may not pass the OAE screening: (check all that are true)
 - a) permanent hearing loss in the inner ear
 - b) fluid in the middle ear (otitis media)
 - c) blockage in the ear canal
- If an ear does not pass the **first** OAE screening: (check one)
 - a) refer the child to a health care provider for a middle ear evaluation/consultation
 - b) conclude that the child has a hearing loss in that ear
 - c) wait two weeks and screen the ear again
 - d) refer the child to an audiologist
- If an ear does not pass the **second** OAE screening: (check one)
 - a) refer the child to a health care provider for a middle ear evaluation/consultation
 - b) you can conclude that the child has a hearing loss in that ear
 - c) wait two weeks and screen the ear again
 - d) refer the child to an audiologist

9. When a child is referred for a middle ear evaluation/consultation: (check one)
- a) expect the health care provider to complete the hearing screening process
 - b) confer with health care provider to determine when to conduct an OAE rescreen
 - c) conclude that the child does not have a hearing loss – only a middle ear condition
10. If a child doesn't pass the OAE rescreen after the middle ear evaluation/consultation: (check all that are true)
- a) refer the child to an audiologist
 - b) provide the audiologist with all screening and other hearing health information
 - c) obtain a complete report from the audiologist on the evaluation outcomes
11. If a parent, caregiver or teacher has concerns about a child's hearing, but the child passed the OAE on both ears (check one):
- a) inform them that the child passed and there is no need to worry
 - b) ask the doctor to explain to those concerned that there is no possibility of hearing loss given that the child passed the OAE screening
 - c) refer the child to a pediatric audiologist for a comprehensive assessment
12. Children who have a permanent hearing loss: (check all that are true)
- a) should be referred to a local early intervention program
 - b) should be reported to a state's Early Hearing Detection and Intervention (EHDI) program

Circle **True** or **False** for each statement below:

13. True False The otoacoustic emission is generated by the middle ear.
14. True False When the OAE screening on one ear is complete you can use the same probe cover on the child's other ear as long as it isn't clogged with wax.
15. True False Probe covers can be used on a number of children before discarding.
16. True False Children with Pressure Equalization (PE) tubes should receive an OAE screening.
17. True False Some OAE equipment requires adjustment before screening children with PE tubes.
18. True False Select a probe cover that is clearly smaller than the size of the child's ear canal so that you are sure it will fit.
19. True False Use your hand to hold the probe securely in the ear while the screening test is running.
20. True False The hearing screening process is complete only when a child either passes the OAE screening on both ears or you have referred the child to a pediatric audiologist and you have the evaluation results.

Video Tutorial Knowledge Check Answer Key

1. b
2. b
3. a, b, c
4. a, b, d, e
5. a
6. a, b, c
7. c
8. a
9. b
10. a, b, c
11. c
12. a, b
13. F
14. T
15. F
16. T
17. T
18. F
19. F
20. T

