Rinne Test

Patient's full name:

Date accomplished:

Clinician's full name:

What you need:

- A silent room
- A 512-hz tuning fork

Instructions:

- Have your patient sit on a chair.

- Ask your patient which ear is affected.

- Strike the tuning fork on your elbow or knee to activate it.

- **Bone Conduction:** as soon as you activate the tuning fork, move it and place it firmly on the patient's mastoid process.

- Ask the patient if they hear the sound from the vibrating tuning fork. Tell them to let you know if they no longer hear the sound.

- **Air Conduction:** As soon as the patient tells you they no longer hear the sound, quickly move the vibrating tuning fork from the mastoid process to the entrance of the ear canal. The fork should not touch the ear.

- Ask the patient if they hear the sound again. Then, tell them to let you know the moment they stop hearing the sound.

Results:

The test results will depend on how long they heard each sound during both the bone conduction and air conduction phases of the test.

If the length of time they heard the sound is twice as long during the air conduction phase than during the bone conduction phase, plus, they heard it clearly, then the test is **positive,** and the hearing is normal.

If the length of time they heard the sound is twice as long during the bone conduction phase than during the air conduction phase, the test is **negative** and indicates that the patient is dealing with **conductive hearing loss**. Please conduct more tests that cover the middle ear.

If the length of time they heard the sound is longer during the air conduction phase than during the bone conduction phase, but both sounds are equally depreciated, then the test is a **false positive**. This indicates that the patient has **sensorineural hearing loss.**

If they don't hear anything at all with their affected ear, then the test is a **false negative**. This means that the **hearing loss is significant**. As with the others, a comprehensive examination should be conducted after.

Patient Results:

- ☐ **Positive**
- ☐ **False Positive**
- ☐ **Negative**
- ☐ **False Negative**

Additional Comments: