



# Earaches



## SIGNS & SYMPTOMS

- Mild to severe ear pain
- Feeling of fullness or discomfort in the ears
- Tugging at the ear and restlessness in young children

## Reptured Eardrum Signs

- Ear pain (dull, sharp, or burning)
- Some hearing loss
- Blood or other discharge from the ear (especially after sticking an object in the ear or exposure to extremely loud noise)

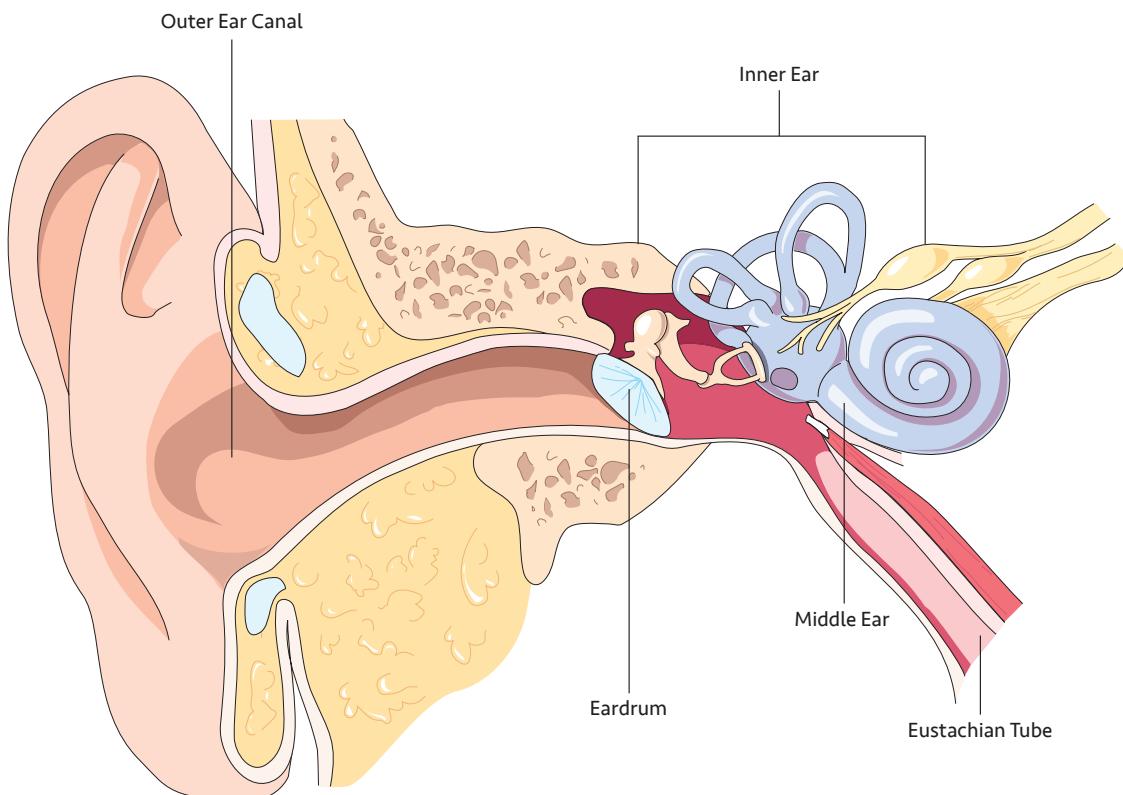
## CAUSES

The most common cause of earaches is plugged Eustachian tubes. These go from the back of the throat to the middle ear. Fluid or pressure in a plugged Eustachian tube causes pain. This is caused by an infection of the middle ear, a cold or sinus infection, or allergies. Other things that can cause ear pain include changes in air pressure in a plane, something stuck in the ear, too much earwax, tooth problems, and ear injuries.

## TREATMENT

Treatment includes pain relievers and methods to dry up or clear the blocked ear canal. Self-care can be used to treat many earaches. Severe and/or constant ear pain needs a medical diagnosis. Often, antibiotics are not needed for middle ear infections in children. Most children with ear infections get better without antibiotics. Let your child's doctor decide if and when an antibiotic should be prescribed.

## DIAGRAM OF EAR





## TRIAGE QUESTIONS



Did the ear pain start after a blow to the ear or recent head trauma?

**NO**   **YES** ➔ **GET EMERGENCY MEDICAL CARE**



With the earache, do any symptoms of meningitis occur?

- Severe, persistent headache
- Stiff neck (can't touch the chin to the chest).
- Lethargy
- Seizure
- Red or purple rash that doesn't fade when pressure is applied to the skin
- In an infant, bulging of the fontanelle (soft spot of the skull)

**NO**   **YES** ➔ **GET EMERGENCY MEDICAL CARE**



With ear pain, do any of these problems occur?

- Vomiting
- Fever
- Sensitivity to the light
- Sticky, green, or bloody discharge from the ear
- Ear pain is severe or worsens when wiggling the ear lobe.

**NO**   **YES** ➔ **SEE DOCTOR**



Does a child show the following signs, especially after a respiratory tract infection, a cold, air travel, or if the child has had ear problems before?

- Constant pulling, touching, or tugging at the ear(s)
- No response to a whistle or a loud clap
- Fever
- Crying that won't stop
- Ear(s) that are hot and hurt when touched
- Acting cranky and restless, especially at night or when lying down

**NO**   **YES** ➔ **SEE DOCTOR**

**CONTINUE IN NEXT COLUMN**



Does the earache persist, is it more than mild, and does it occur after any of the following?

- A mild ear injury
- Blowing your nose hard or many times
- A small object has been stuck in the ear that cannot easily be removed. Or, an insect has gotten in the ear that cannot safely be removed.
- A cold, sinus, or upper respiratory infection
- Exposure to extremely loud noises, such as music concerts, heavy machinery, etc.

**NO**   **YES** ➔ **SEE DOCTOR**



With the earache, do you also have hearing loss, ringing in the ears, dizziness, or nausea?

**NO**   **YES** ➔ **SEE DOCTOR**



Does the earache occur with jaw pain, headache, and a clicking sound when you open or close your mouth?

**NO**   **YES** ➔ **CALL DOCTOR**



**USE SELF-CARE**



## SELF-CARE

### Help Prevent Ear Pain

- Don't put cotton-tipped swabs, bobby pins, etc., in your ears. This could damage the eardrum.
- Don't blow your nose with too much force.
- If you can, avoid places that have very loud noises (construction sites, etc.). Wear earplugs when exposed to loud noises.
- Keep the volume on low when listening to music. If someone else can hear the music when you are listening to music while wearing headphones or earbuds, then the volume is too loud.

### Reduce Ear Pain

- Place a warm washcloth next to the ear. Some health professionals recommend putting an ice bag or ice in a wet washcloth over the painful ear for 20 minutes.
- Take an over-the-counter medicine for pain as directed on the label.

### Avoid "Swimmer's Ear"

- Wear wax or silicone earplugs.
- Wear a bathing cap.
- Don't swim in dirty water. Swim on the surface not underneath the water.
- Use an over-the-counter product, such as Swim-Ear, as directed.

### Mild Case of "Swimmer's Ear"

Clean and dry the outer ear canal without doing further damage to the top layer of skin.

- Shake the head to expel trapped water.
- Dry the ear canal. Get a clean dry wash cloth. Twist each corner into a tip and gently place each tip into the ear canal for 10 seconds. Repeat with the other ear using a new cloth.
- Use an over-the-counter product, such as Swim-Ear. Drop it into the ears to fight infection. Follow package directions.
- Do not remove earwax. This protects the ear canal.

### Insect in the Ear

- Shine a flashlight into the ear. Doing this may cause the insect to come out.
- Tilt your head to the affected side and gently shake it to dislodge the insect.

### Open Up the Eustachian Tubes and Help Them Drain

- Sit up. Prop your head up when you sleep.
- Yawn. This helps move the muscles that open the Eustachian tubes.
- Chew gum or suck on hard candy. (Do not give to children under age 5.) This tip is especially helpful during pressure changes that take place during air travel, but can also help if you wake up with ear pain.
- When traveling by air, stay awake when the plane takes off and lands. Wear ear plugs.
- Take a steamy shower.
- Use a cool-mist vaporizer, especially at night.
- Drink plenty of cool water.
- Pinch the nose shut. With your mouth closed, try to swallow. Having a mouthful of water may make it a little easier. This is called the Toynbee maneuver.
- If okay with your doctor, take a decongestant to help relieve the swelling that causes the pain. (Don't use a nasal spray decongestant for more than 3 days unless directed by your doctor.)
- When you give a baby a bottle, hold the baby in an upright position.