

**Statistical analysis of the results shows the following:**

- The incidence of pseudomonas infection is higher in patients with AOE than in control group.
- There was significant relationship between treatment modality and clinical improvement of the cases.
- There was significant relationship between treatment modality and recurrence of some cases.
- In patients treated with acetic acid eardrops symptoms lasted longer, the cure rate was poorer.
- Patients treated with acetic acid ear drops also showed more recurrence of symptoms than those treated with antibiotic eardrops.
- Patients treated with acetic acid eardrops showed side effect from the treatment modality as it was stinging when it was applied to highly inflamed skin.
- The antibacterial agent (gentamicin) used in our study is effective against most of the pathogens common to acute otitis externa.