

Individualized management of acoustic neuroma

Bisrat Getachew

Werabe Comprehensive Specialized Hospital, Ethiopia

Introduction: Acoustic neuromas are rare tumors of the vestibular nerve. Although they are benign, their location within the internal auditory canal and growth into the cerebellopontine angle result in significant morbidity and even mortality in some cases if left untreated. This location also results in a specific pattern of symptom development, which forms the basis for a modern clinician's ability to accurately diagnose these tumors.

Salient points of This Presentation: In this presentation we will discuss the different modalities of treatment that can be given to patients of acoustic neuroma like observation (wait and scan, surgery {translabrynthine, retrosigmoid and middle cranial fossa approach}) and radiosurgery-

gamma knife surgery/stereotactic surgery depending on age, size of the tumor, status of hearing [based on pure tone audiogram and speech discrimination score] and general conditions of patient. This presentation also aims at describing different surgeries like –enlarged translabrynthine approach, retrosigmoid approach and the middle cranial fossa approach and describes the rationale for patients for respective surgeries and the candidates in whom hearing can be preserved or can be compromised and also discussing in brief about the approaches meant for hearing preservation surgeries and hearing destructive surgeries. Over and above, we shall discuss indications of radiotherapy in patients of acoustic neuroma.

Received Date: June 06, 2022; **Accepted Date:** June 08, 2022; **Published Date:** August 30, 2022