3. AIM AND OBJECTIVE
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In addition to the factors mentioned in introduction, the interest in the development of Computer-Aided Diagnosis In Neurotology (CADINO) began with a desire to overcome the problems of knowledge gaps so often felt by ENT surgeons in dealing with patients of vertigo and dizziness. Dizziness, which includes vertigo, also is the ninth most common clinical symptom, rising to third among aged 65 to 75 years and becoming first among those aged more than 75 years\(^{195}\). The symptoms of dizziness can be difficult for the physicians to categorize. A seemingly endless number of disorders can result in symptoms of dizziness and dysequilibrium\(^{163}\). Other motivations for developing CADINO include its potential educational value, superior patient's confidence, enhance productivity of the health care team and its role as model of the diagnostic reasoning process in cases of dizziness\(^{27}\).

Rural people do not get the services of otoneurologist in their areas. CADINO has the potential to serve as an otoneurologist. After some training and practice even general practitioner (GP) should be able to use CADINO. Thus it can prove to be a boon to the less privileged people of remote areas. Even one can think of carrying CADINO system in mobile unit having the facilities of personal computer (PC). Lab-Tops are becoming ubiquitous. CADINO can serve as the function of second opinion to the ENT consultants, internists and neurologists. Medical students can use it as a tutor. Doctors can expect better patient management. In the era of consumer protection, CADINO can prove to be a great asset to the E.N.T. consultants. Because the whole process is so transparent, one can easily win the confidence of the patients, which lacks so much in recent time.

The aim of this study was to develop an experimental system “Computer-Aided Diagnosis In Neurotology (CADINO)” and evaluates it clinically in terms of usefulness, functionality and effectiveness. The purpose of the study was to illustrate the strengths and weaknesses of the program and to provide a rough estimate of its clinical acumen. The evaluation was not intended to validate CADINO for clinical use.
The aims of this study are following:

- Development of an experimental system Computer-Aided Diagnosis In NeurOtology (CADINO) for cases of dizziness.
- Study the potential usefulness of CADINO for differential diagnoses in cases of dizziness.
- Evaluation of CADINO in terms of diagnostic accuracy, educational value and utility in the management of dizzy patient.