3. NEED FOR THE STUDY

For successful cochlear implantation the clear visibility of round window is required for the surgeon in inserting the electrode into the cochlea\textsuperscript{65}. However there are anatomical variations in round window location which make it difficult for the surgeon to visualize it through facial recess and may even lead to failure of cochlear implant surgery\textsuperscript{8, 19, 45, 68, 69, 70}.

There is a lacuna of knowledge in predicting the visibility of round window preoperatively using HRCT temporal bone measurements. Hence, this study was undertaken to assess the usefulness of preoperative HRCT temporal bone measurements in predicting the visualization of round window during cochlear implantation surgery.