

Evaluation of Musical Conductor Exposure to Noise

Authors : Ahmed Saleh Summan

Abstract : This article presents the results of a technical report on the evaluation of occupational noise exposures among a musical conductor in a musical rehearsal hall (party-center). A calibrated noise dosimeter was used to measure the personal exposure of a music teacher/conductor for 8 hours in two days of rehearsal involving 90 players. Results showed that noise exposure levels were much higher than the permissible levels regulated 85dBA/8hr by NIOSH. In fact, the first day of measurements recorded the highest exposure levels (91 dBA). A number of factors contributed to these results, such as players number, types of instruments used, and activities. Noise control measures were recommended to solve this situation.

Keywords : noise exposure, music conductors, occupational noise, noise in rooms

Conference Title : ICNBAD 2022 : International Conference on Noise, Vibration, Acoustics and Dynamics

Conference Location : Amsterdam, Netherlands

Conference Dates : February 07-08, 2022