

**NOISE-INDUCED HEARING LOSS IN WORKERS
IN CAIRO INTERNATIONAL AIRPORT**

Thesis

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MASTER DEGREE
Of Industrial Medicine and Occupational Diseases

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القصر المينى

محضر

اجتماع لجنة الحكم على الرسالة المقدمة من
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فى طب الصناعات والأمراض المهنية

تحت عنوان : باللغة الانجليزية : Noise- induced hearing loss in workers
in Cairo International Airport.

: باللغة العربية : فقدان السمع نتيجة الضوضاء عند بعض عمال مطار القاهرة الدولي .

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(عصام)

Abstract

This study was conducted on 100 workers occupationally exposed to noise from the airline maintenance, ground staff, loading and catering workers in Cairo International Airport. A non-exposed control group of 50 employees at the Ministry of Health and Population were also studied. The most significant result was hearing affection of the exposed workers, which started at higher frequencies ranging from 3000 Hz to 6000 Hz due to exposure to loud noise without using personal hearing protectors. This was followed by the affection of the speech frequencies ranging from 500 Hz to 2000 Hz.

LIST OF ABBREVIATIONS

- 1) NIHL:** Noise-induced hearing loss
- 2) NIOSH:** National Institute for Occupational Safety and Health.
- 3) REL:** Recommended exposure limit
- 4) TWA:** Time-weighted average
- 5) OSHA:** Occupational Safety and Health Administration
- 6) ICAO:** International Civil Aviation Organization
- 8) APU:** Auxiliary Power Unite
- 9) AAOO:** American Academy of Ophthalmology and Otolaryngology

Key Words

- ** Recommended exposure limit**
- ** Time-weighted average**
- ** Auxiliary Power Unite**

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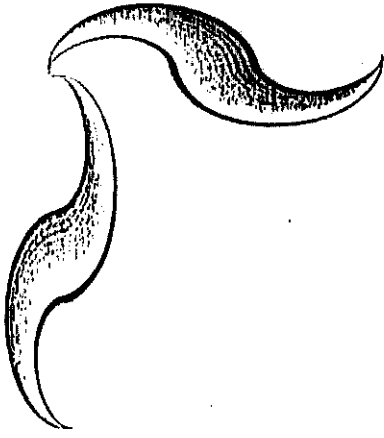
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INTRODUCTION
&
AIM OF THE STUDY

