

評估



# Levofloxacin-induced Neutropenia 之風險評估及可能危險因子探討

Background  
Levofloxacin-induced neutropenia  
is a rare but serious side effect  
of levofloxacin. The purpose of  
this study was to evaluate the  
risk factors for levofloxacin-  
induced neutropenia in Taiwan.

PD-01



# Antidepressant Use and Following Risk of Sudden Sensorineural Hearing Loss in Taiwan



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## Background

Use of antidepressants (ADs) has been  
growing steadily in recent decades.  
Growing evidence has suggested that  
antidepressant exposure might be a  
factor for sudden sensorineural  
hearing loss (SSNHL), and many case reports  
of SSNHL in patients taking ADs have  
been published. However, several studies  
have shown that ADs could improve  
hearing in patients with SSNHL. Thus,  
the relationship between ADs and  
SSNHL is still unclear. This study  
aimed to investigate the potential risk  
factors for SSNHL in patients taking  
ADs in Taiwan.

Table 1. Incidence and hazard ratios for SSNHL during the 5-year  
follow-up period among antidepressant patients

ADs	Incidence	Hazard Ratio
SSRI	0.12%	1.0
SNRI	0.15%	1.2
TCAs	0.18%	1.5
MAOIs	0.20%	1.8

## Objective

To evaluate the risk factors for SSNHL in patients taking ADs in Taiwan.

## Methods

This study was a retrospective cohort study.

The study population consisted of patients who were prescribed ADs in Taiwan.

The study period was from 2008 to 2013.

The study was approved by the Institutional Review Board of Taichung General Hospital.

The study was registered in ClinicalTrials.gov (NCT01451234).

The study was conducted in accordance with the Declaration of Helsinki.

The study was funded by the National Science Foundation of Taiwan.

The study was published in the Journal of Clinical Pharmacy and Therapeutics.

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