

Diseases that have led to the permanent disqualification of Iranian military air medical transportation pilots

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Permanent disqualification of military air medical pilots

Abstract

Background: Health is a state of complete physical, mental and social well-being. Disability is defined as the effect of a disorder on a person's physical, mental or social activities.

Purpose: Determine the causes and diseases leading to early permanent medical disqualification of Iranian military rotary and fixed-wing air medical transportation pilots from 1990 to 2020.

Materials and Methods: The study was designed as a descriptive, cross-sectional, retrospective investigation, that data were collected from the medical records and councils, sorted in pre-designed electronic sheets.

Results: Out of 214 cases with permanent disqualifications, 198 persons had medical disqualification, and others were killed in air accidents. The main reasons were neurosurgery, psychiatric, and cardiovascular, while common diseases include discopathy, generalized anxiety disorder, and myocardial infarction. The total lost service years were 2239 person-years. The most common medical causes belonged to psychiatric, neurosurgery, and cardiovascular, while discopathy, generalized anxiety

disorder, and myocardial infarction were the common diseases. Its average was 11.3 person-years per individual with a standard deviation of ± 6.04 .

Conclusion: The common causes of early permanent medical disqualification of pilots are neurosurgery, cardiovascular, and psychiatric. The work environment of rotary-wing pilots is different from fixed-wing pilots. Military air medical transportation pilots face higher levels of stress than other pilots due to the transport of patients.

Keywords: Disabilities, Disqualification, Air medical transportation, Military pilots, Health