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Prevalence of depression in cardiovascular patients in Iran: A systematic review and meta-analysis from 2000 to 2017

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Abstract

Background

In both developed and developing countries, cardiovascular disease is on the rise, representing nowadays one of the main challenges for the health systems worldwide. This increase generates relevant costs. The aim of this study was to conduct a systematic and meta-analytical review of the prevalence of depression in cardiovascular patients in Iran.

Methods

Articles written in English and Persian were searched from January 2000 to July 2017 in different scholarly databases.

Results

12 studies were retained and included in the current meta-analysis. Selected studies were published between 2008 and 2016. The number of patients participating in these studies was 9,292. Based on the random-effects model, the prevalence of depression in cardiovascular patients in Iran was 47% [95% confidence interval or CI 38-56], $I^2=98.2\%$ with $P=0.000$. The

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