

Heart attack patients prescribed antidepressants have worse one-year survival

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Heart attack patients prescribed antidepressants have lower one-year survival rates, according to research presented today at Acute Cardiovascular Care 2018, a European Society of Cardiology congress.¹

The observational study of nearly 9,000 patients found that those prescribed antidepressants at discharge from hospital after a [heart attack](#) had a 66% greater risk of mortality one year later than patients not prescribed the drugs, although they noted the cause is not necessarily related directly to the antidepressants.

Lead author Ms Nadia Fehr, a medical student at the University of Zurich, Switzerland, said: "Previous studies have suggested that cardiovascular disease may increase the likelihood of being depressed. On the other hand, depression appears to increase the probability of developing [cardiovascular risk factors](#). However, little is known about the impact of depression on outcome after a heart attack."

This study assessed the association of antidepressant prescription at hospital discharge with the one-year outcomes of patients with acute myocardial infarction (heart attack).

Data from AMIS Plus, the Swiss nationwide registry for [acute myocardial infarction](#), were used to analyse 8,911 heart attack patients admitted to hospitals in Switzerland between March 2005 and August 2016. Patients were followed up by telephone 12 months after discharge.

The researchers compared patients who received antidepressant medication at discharge with those who did not with regard to baseline characteristics and one-year outcomes including mortality, a subsequent heart attack, and stroke.

A total of 565 (6.3%) patients received antidepressants at discharge from hospital. Compared to those who did not receive the drugs, patients prescribed antidepressants were predominantly female, older, and more likely to have hypertension, diabetes, dyslipidaemia, obesity and comorbidities. They were less likely to undergo [percutaneous coronary intervention](#) or receive P2Y12 blockers or statins, and stayed in hospital longer.

After adjusting for baseline characteristics the researchers found that the rates of stroke and subsequent heart attacks were similar between the two groups, but patients prescribed antidepressants had significantly worse survival. The rate of all-cause mortality at one-year after discharge was 7.4% in patients prescribed antidepressants compared to 3.4% for those not prescribed antidepressants (p

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