

Peripheral infusion of amiodarone may cause blood vessels irritation and phlebitis that is the most common complication of this drug by this route even when it is administered within recommended dosing limits” Ayat-Isfahani et al (2017).

Abstract:

Intravenous amiodarone is considered an effective treatment option for cardiac ventricular and atrial arrhythmias. Peripheral infusion of amiodarone may cause blood vessels irritation and phlebitis that is the most common complication of this drug by this route even when it is administered within recommended dosing limits. The effect of injection-site splinting on the occurrence of phlebitis among a group of cardiac arrhythmia patients receiving peripherally infused amiodarone.

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This research is a clinical trial on patients of Tehran Heart Center who were hospitalized due to cardiac arrhythmias. A sample of 60 patients with mean age 65 ± 14 years were randomly divided into control and test groups. In the experimental group with close splint and restrict the movement of the injection site until the end of the infusion and control groups without closing brace, at the same time received amiodarone. Injection protocol was similar for both groups. The results were analyzed with Spss18. The results of this research still significantly reduced the incidence of amiodarone injection-site phlebitis in the injection time ($P = .005$).

Reference:

Ayat-Isfahani, F., Pashang, M., Davoudi, B., Sadeghian, S. and Jalali, A. (2017) Effects of injection-site splinting on the incidence of phlebitis in patients taking peripherally infused amiodarone: A randomized clinical trial. *Journal of Vascular Nursing*. 35(1), p.31-35.

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