

Clinical trials of IM lidocaine (without infusion)

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1 acute myocardial infarction

| Trial | Treatments | Patients | Trials design and methods |
|---|---|--|---------------------------------|
| IM lidocaine (without infusion) vs control | | | |
| Koster and Dunning , 1985 n=2987/3037 follow-up: 1h for VT | lidocaine loading dose IM 400 mg versus no lidocaine | suspected acute myocardial infarction | Parallel groups Single-blind |
| IM lidocaine (without infusion) vs placebo | | | |
| Sandler unpublished n=91/90 follow-up: 4h for VT | lidocaine loading dose IM 200mg or IM 300mg versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |
| Singh and Kocot , 1976 n=27/27 follow-up: 3h for VT | lidocaine loading dose IM 4.5 mg/kg versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |
| Lie (IM) , 1978 n=147/153 follow-up: 1h for VT | lidocaine loading dose IM 300 mg versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |
| Dunn , 1985 n=207/195 follow-up: 1h for VT | lidocaine loading dose IM 300 mg + IV 100mg versus placebo | suspected acute myocardial infarction within 6 hours of the onset of sympto | Parallel groups Double-blind |

More details and results :

- antiarrhythmic drugs for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q130>

References

Koster and Dunning, 1985:

Koster RW, Dunning AJ Intramuscular lidocaine for prevention of lethal arrhythmias in the prehospitalization phase of acute myocardial infarction. N Engl J Med 1985;313:1105-10 [3900727]

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Singh and Kocot, 1976:

Singh JB, Kocot SL A controlled trial of intramuscular lidocaine in the prevention of premature ventricular contractions associated with acute myocardial infarction. Am Heart J 1976;91:430-6 [1258750]

Lie (IM), 1978:

Lie KI, Liem KL, Louridtz WJ, Janse MJ, Willebrands AF, Durrer D Efficacy of lidocaine in preventing primary ventricular fibrillation within 1 hour after a 300 mg intramuscular injection. A double-blind, randomized study of 300 hospitalized patients with acute myocardial infarction. Am J Cardiol 1978;42:486-8 [356578]

Dunn, 1985:

Dunn HM, McComb JM, Kinney CD, Campbell NP, Shanks RG, MacKenzie G, Adgey AA Prophylactic lidocaine in the early phase of suspected myocardial infarction. Am Heart J 1985;110:353-62 [3895875]