

# Clinical trials of IM lidocaine (without infusion)

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## 1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>IM lidocaine (without infusion) vs control</b>			
<b>Koster and Dunning , 1985</b> 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
<b>IM lidocaine (without infusion) vs placebo</b>			
<b>Sandler unpublished</b> 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
<b>Singh and Kocot , 1976</b> 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
<b>Lie (IM) , 1978</b> n=147/153 follow-up: 1h for VT	lidocaine loading dose IM 300 mg versus placebo	suspected acute myocardial infarction	Parallel groups Double-blind
<b>Dunn , 1985</b> 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]

### Sandler, 0:

unpublished

**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]