

Clinical trials of IV lidocaine infusion

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1 acute myocardial infarction

| Trial | Treatments | Patients | Trials design and methods |
|---|--|---------------------------------------|---------------------------------------|
| IV lidocaine infusion vs control | | | |
| Bennett , 1970 n=249/125 follow-up: 48h for VT | lidocaine loading dose IV 60mg, infusion 0.5-1.0 mg/min versus no lidocaine | suspected acute myocardial infarction | Parallel groups Open |
| Pitt , 1971 n=108/114 follow-up: 48h for VT | lidocaine loading dose IV 75-100mg, infusion 2.5 mg/min versus no lidocaine | suspected acute myocardial infarction | Parallel groups Open |
| Darby , 1972 n=103/100 follow-up: 48h for VT | lidocaine loading dose IM 200 mg, infusion 2.0 mg/min versus no lidocaine | suspected acute myocardial infarction | Parallel groups Open |
| IV lidocaine infusion vs placebo | | | |
| Kostuk and Beanlands <i>unpublished</i> n=34/31 follow-up: 65279;48h for VT | lidocaine infusion 1.0 mg/min versus placebo | suspected acute myocardial infarction | Parallel groups 65279;Double-blind |
| Baker , 1971 n=21/23 follow-up: 48h for VT | lidocaine infusion 1.5 mg/min versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |
| Chopra , 1971 n=39/43 follow-up: 48h for VT | lidocaine loading dose IV 60mg, infusion 1.0-2.0 mg/min versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |
| O unpublished n=328/331 follow-up: 48h for VT | lidocaine loading dose IV 75 mg, infusion 2.5 mg/min versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|---|--|---------------------------------------|---------------------------------|
| Lie (IV) , 1974 n=107/105 follow-up: 48h for VT | lidocaine loading dose IV 100 mg, infusion 3,0 mg/min versus placebo | suspected acute myocardial infarction | Parallel groups Double-blind |
| Wyse , 1988 n=168/165 follow-up: 24h for VT | lidocaine loading dose IV 100mg + IV 100 mg, infusion 3.0 mg/min versus placebo | suspected acute myocardial infarction | 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

Bennett, 1970:

Bennett MA, Wilner JM, Pentecost BL Controlled trial of lignocaine in prophylaxis of ventricular arrhythmias complicating myocardial infarction. Lancet 1970;2:909-11 [4097285]

Pitt, 1971:

Pitt A, Lipp H, Anderson ST Lignocaine given prophylactically to patients with acute myocardial infarction. Lancet 1971;1:612-6 [4101228]

Darby, 1972:

Darby S, Cruickshank JC, Bennett MA, Pentecost BL Trial of combined intramuscular and intravenous lignocaine in prophylaxis of ventricular tachyarrhythmias. Lancet 1972;1:817-9 [4111579]

Kostuk and Beanlands, 0:

unpublished

Baker, 1971:

Baker IA, Collins JV, Evans TR Prophylaxis of ventricular dysrhythmias following acute myocardial infarction: a double-blind trial of continuous intravenous infusion of lignocaine. Guys Hosp Rep 1971;120:1-7 [4934490]

Chopra, 1971:

Chopra MP, Thadani U, Portal RW, Aber CP Lignocaine therapy for ventricular ectopic activity after acute myocardial infarction: a double-blind trial. Br Med J 1971;3:668-70 [4936439]

O, 0:

unpublished

Lie (IV), 1974:

DiBona G Letter: Measurement of plasma quinidine. N Engl J Med 1974;290:1325-6 [4827635]

Lie KI, Wellens HJ, van Capelle FJ, Durrer D Lidocaine in the prevention of primary ventricular fibrillation. A double-blind, randomized study of 212 consecutive patients. N Engl J Med 1974;291:1324-6 [4610392]

Wyse, 1988:

Wyse DG, Kellen J, Rademaker AW Prophylactic versus selective lidocaine for early ventricular arrhythmias of myocardial infarction. J Am Coll Cardiol 1988;12:507-13 [[3292630](#)]