881 of records identified by database searching
- PubMed: 290
- EMBASE: 288
- Cochrane: 303

705 of records after duplicates removed

177 of records screened

528 of records excluded in the first screening
- Not AMI patients: 270
- Not stem cell therapy: 224
- Animal model: 25
- Not English: 9

94 of records excluded
- Not RCTs: 58
- Review, editorials, comments: 36

83 of full-text articles assessed for eligibility

66 of full-text articles excluded according to explicit inclusion/exclusion criteria
- Cell dose $< 10^6$: 24
- Injection time within 24 hours: 2
- Long-term follow-up: 16
- Other than intracoronary route: 17
- Comparator arm is other interventions: 7

17 of studies included in meta-analysis