

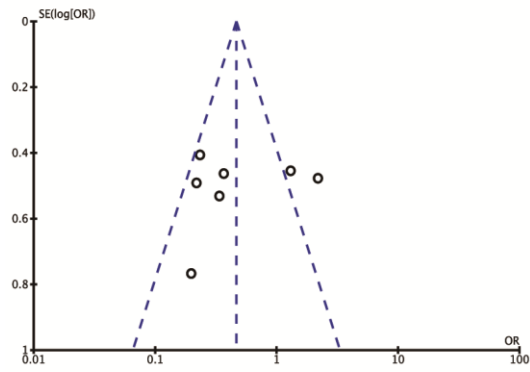
Table S1. The association between CTO PCI failure rate and all-cause mortality

| Num | Author/Year | CTO PCI failure rate | Successful CTO-PCI group | | | Failed CTO-PCI group | | | Non attempted CTO group | | | occluded CTO group | | |
|-----|---------------|----------------------|--------------------------|----------|----------------|----------------------|----------|----------------|-------------------------|----------|----------------|--------------------|----------|----------------|
| | | | Events, n | Total, N | incidence rate | Events, n | Total, N | incidence rate | Events, n | Total, N | incidence rate | Events, n | Total, N | incidence rate |
| 1 | Yang 2011 | 36.0% | 7 | 87 | 8.0% | 10 | 49 | 20.4% | 0 | 0 | NA | 10 | 49 | 20.4% |
| 2 | Shi 2014 | 32.4% | 11 | 100 | 11.0% | 12 | 48 | 25% | NA | NA | NA | 12 | 48 | 25.0% |
| 3 | Valenti 2014 | 21.6% | 2 | 58 | 3.4% | N/A | 16 | N/A | NA | 95 | NA | 17 | 111 | 15.3% |
| 4 | Watanabe 2016 | N/A | 20 | 78 | 25.6% | N/A | N/A | N/A | 9 | 43 | 20.9% | 9 | 43 | 20.9% |
| 5 | Deng 2017 | 20.8% | 9 | 221 | 4.1% | N/A | 58 | N/A | N/A | 98 | NA | 24 | 156 | 15.4% |
| 6 | Elias 2018 | N/A | 14 | 148 | 9.5% | N/A | N/A | N/A | 7 | 154 | 4.5% | 7 | 154 | 4.5% |
| 7 | Cui 2020 | 26.0% | 5 | 91 | 5.5% | N/A | 32 | N/A | N/A | 164 | NA | 41 | 196 | 20.9% |

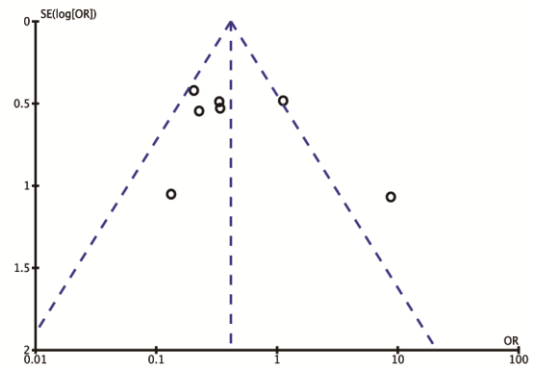
CTO=chronic total occlusion, PCI=percutaneous coronary intervention.

Figure S1: Funnel plot analysis

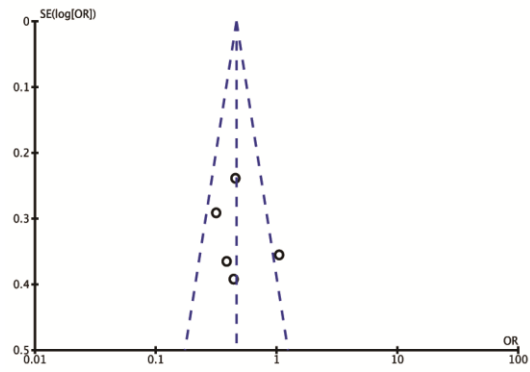
A. All-cause death



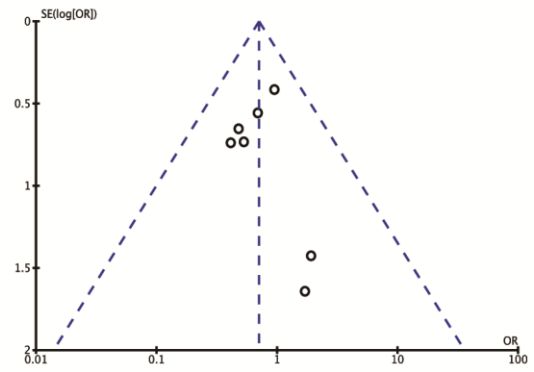
B. Cardiovascular death



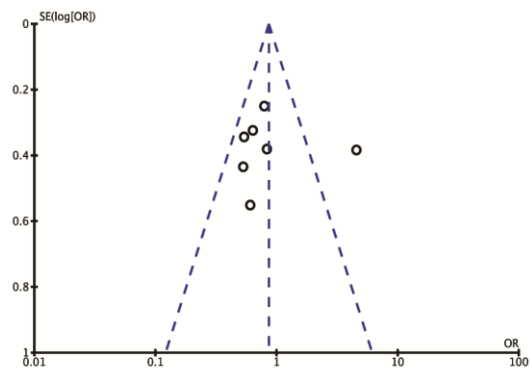
C. MACEs



D. Myocardial infarction



E. Repeated revascularization



F. Heart failure

