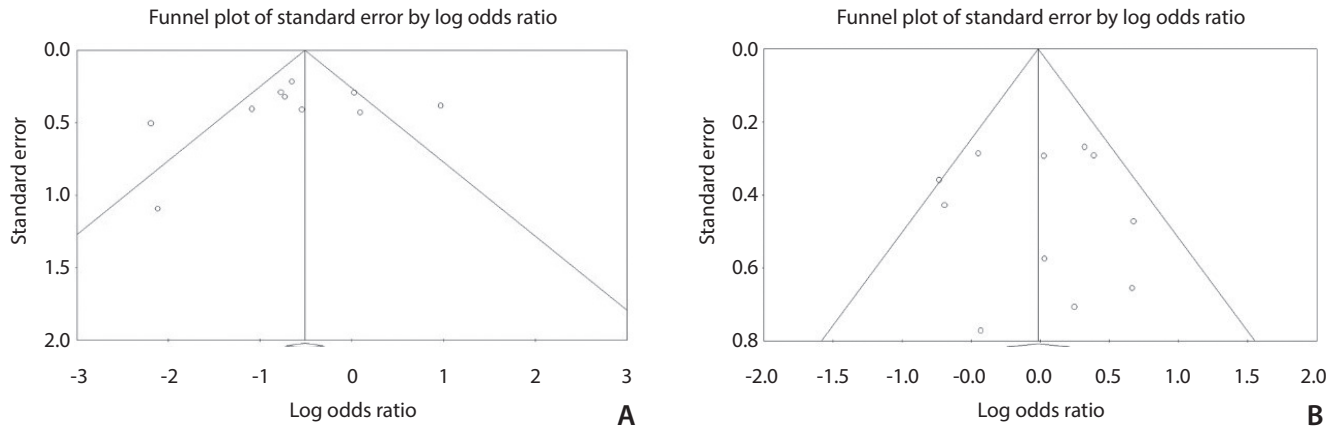


	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Berkhemer et al. ¹⁹ (2016)	+	+	-	+	+	+	+
Löwhagen Hendén et al. ² (2017)	+	+	-	+	+	+	?
Schönenberger et al. ⁵ (2016)	+	+	-	+	+	+	?

Supplementary Fig. 1. Risk of bias for randomized controlled trial studies included in this meta-analysis.



Supplementary Fig. 2. Publication bias of good functional 3-month follow-up outcome (A) and successful recanalization (B). The Funnel plot of outcome shows asymmetrical pattern, suggesting possible publication bias.

Supplementary Table 1. Reasons for exclusion in the current meta-analysis

Reasons for exclusion	Study
Study protocol (n=1)	Schönenberger et al. ¹ (2015)
No extractable data (n=7)	Abou-Chebl et al. ² (2010), Nichols et al. ³ (2010), McDonald et al. ⁴ (2015), Langner et al. ⁵ (2013), Abou-Chebl et al. ⁶ (2015), Ouyang et al. ⁷ (2016), Jagani et al. ⁸ (2016)
Absence of interest outcomes (n=3)	Simonsen et al. ⁹ (2016), Bekelis et al. ¹⁰ (2017), Wang et al. ¹¹ (2017)

Supplementary Table 2. Publication bias analysis using the Trim and Fill method for 3-month good outcome in the meta-analysis

Primary outcomes included studies	Fixed effects				Q-value	
	Studies trimmed	Point estimate	Lower limit	Upper limit		
Good outcome	Observed values		0.564	0.354	0.899	37.355
	Adjusted values	2	0.696	0.424	1.142	53.054

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