

Table S1 Characteristics of studies included in the meta-analysis

Title	Authors	Year published	Institution	Journal	Study type	Study date(s)	Total patients	New-Castle Ottawa Scale Score
Comparative study of bronchial artery revascularization in lung transplantation	Pettersson <i>et al.</i>	2013	Dept of Thoracic and Cardiovascular Surgery, Cleveland Clinic	Cardiothoracic Transplantation	Retrospective	2007–2010	27	7
Long-term outcome of lung transplantation for cystic fibrosis-Danish results	Bech <i>et al.</i>	2004	Dept of Cardiothoracic Surgery, Rigshospitalet, Copenhagen University Hospital, Copenhagen	European Journal of Cardio-thoracic Surgery	Retrospective	1993–2003	11	6
Bronchial artery revascularization improves tracheal anastomotic healing after lung transplantation	Hyttinen <i>et al.</i>	2000	Depts of Thoracic and Cardiovascular Surgery, Pulmonary Medicine and Radiology, Helsinki University Central Hospital, Helsinki, Finland	Scandinavian Cardiovascular Journal	Retrospective	1992–1997	8	7
Direct bronchial artery revascularization and en bloc double lung transplantation—surgical techniques and early outcome	Pettersson <i>et al.</i>	1997	Dept of Thoracic Surgery RT, Diagnostic Radiology and Medicine, The national University Hospital Copenhagen Denmark	The Journal of Heart and Lung Transplantation	Retrospective	1992–1995	47	6
Medium term results of direct bronchial arterial revascularisation using IMA for single lung transplantation (SLT with direct revascularisation)	Yacoub <i>et al.</i>	1997	Harefield Hospital, Harefield, Middlesex United Kingdom	European Journal of Cardio-thoracic Surgery	Retrospective	1991–1993	22	6
Intermediate-term results after en bloc double-lung transplantation with bronchial arterial revascularization. Bordeaux Lung and Heart-Lung Transplant Group	Baudet <i>et al.</i>	1996	Dept of Cardiovascular and Pediatric Cardiac Surgery, Bordeaux Heart Hospital, a Dept of Surgery, Haut-Leveque Hospital, Dept of Cardiac and Vascular Surgery, Bordeaux Heart Hospital, Bordeaux-Pessac, France	The Journal of Thoracic and Cardiovascular Surgery	Retrospective	1990–1994	18	6
Routine immediate direct bronchial artery revascularization for single-lung transplantation	Daly <i>et al.</i>	1994	Section of Cardiac Surgery, Mayo Clinic	Annals of Thoracic Surgery	Retrospective	–	10	6

**Table S2** Newcastle-Ottawa Scale (NOS) scoring system to assess risk of bias for the studies included

Study name	Representatives of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Outcome of interest Was not present at start of study	Comparability of cohorts on the bases of the design or analysis	Assessment of outcome	Was follow-up long enough for outcome to occur	Adequacy of follow-up	Total quality score (out of 9)
Comparative study of bronchial artery revascularization in lung transplantation	1	1	1	1	0	1	1	1	7
Long-term outcome of lung transplantation for cystic fibrosis - Danish results	1	0	1	1	0	1	1	1	6
Bronchial artery revascularization improves tracheal anastomotic healing after lung transplantation	1	1	1	1	0	1	1	1	7
Direct bronchial artery revascularization and en bloc double lung transplantation— surgical techniques and early outcome	1	0	1	1	0	1	1	1	6
Medium term results of direct bronchial arterial revascularisation using IMA for single lung transplantation (SLT with direct revascularisation)	1	0	1	1	0	1	1	1	6
Intermediate-term results after en bloc double-lung transplantation with bronchial arterial revascularization. Bordeaux Lung and Heart- Lung Transplant Group	1	0	1	1	0	1	1	1	6
Routine immediate direct bronchial artery revascularization for single- lung transplantation	1	0	1	1	0	1	1	1	6