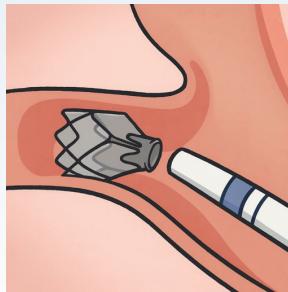


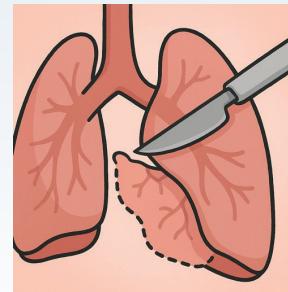
How Does a Comprehensive Approach to Lung Volume Reduction Encompassing Both Surgical and Endobronchial Treatment Translate Into Clinical Benefits?

STUDY DESIGN

- Prospective study of a comprehensive **lung volume reduction** (LVR) program in Belgium
- Assessed outcomes of patients with COPD that underwent bronchoscopic LVR with endobronchial valves (EBVs) (N = 73) or lung volume reduction surgery (LVRS) (N = 131)



EBV



LVRS

RESULTS

Transplant free survival:

- EBV vs usual care (**HR, 0.14; 95% CI, 0.04-0.44**)
- LVRS vs usual care (HR, 0.7; 95% CI, 0.45-1.2)

	EBV	LVRS	Usual Care
3-year mortality rate	8.2%	12.2%	17.7%
% transplant	1.4%	3.1%	8%

The findings of this study suggest that LVR programs should cover both surgical and bronchoscopic interventions to improve outcome and prognosis of patients with severe emphysema.