**Supplemental Digital Content 2.** Figure, MRI angiography 3D reconstruction

**A**: at admission. Total occlusion of the right (arrow) and partial occlusion of the left pulmonary artery. **B**: MRI angiography after pulmonary endarterectomy shows rechanneling of the right pulmonary artery (arrow). **C**: Follow-up 2 years after the intervention shows only slight differences compared to the last investigation. There is physiologic perfusion of the apical segment of the right lower lobe and improved perfusion of the left pulmonary artery. **D**: A Follow-up 3 years after the intervention reveals an unchanged situation.