Patients’ screening

Patients’ enrolment
(UIP, Inform consent, FVC>50%, DLco>35%)

Lipoaspiration

Isolation and activation of ADSCs

Randomization based on level of Treatment

Labeling with 99mTc-HMPAO

Endobronchial Infusion

Scintigraphic analysis

Hospitalization exams-Patient’s short-term follow-up

Patient’s long-term follow up
(FVC, DLco, 6MWT, ABGs, MRC, SGRQ,CAT, HRCT, whole body CT scan)