50 active smokers recruited

Collection of clinical and anthropometric data
Lung function tests

45 active smokers included in the study

Blood collection: Analysis of differential blood cell counts and C-reactive protein
Blood collection: Analysis of blood DC numbers (flow cytometry)
Bronchoscopy: Analysis of BAL fluid DC numbers and surface molecules (flow cytometry)

Randomization

Inhalation of Placebo bid for 28 days (via Discus)

- 1 participant withdrew consent (side effects)

Lung function tests

Blood collection: Analysis of differential blood cell counts and C-reactive protein
Blood collection: Analysis of blood DC numbers (flow cytometry)
Bronchoscopy: Analysis of BAL fluid DC numbers and surface molecules (flow cytometry)

14 participants completed the study

Inhalation of Fluticasone 250 µg bid for 28 days (via Discus)

- 1 participant withdrew consent (side effects)

Lung function tests

14 participants completed the study

Inhalation of Fluticasone 250 µg / Salmeterol 50 µg bid for 28 days (via Discus)

- 1 participant lost to follow up

Lung function tests

14 participants completed the study

5 volunteers excluded (FEV₁ < 80%)

1 participant withdrew consent (side effects)

1 participant lost to follow up

5 volunteers excluded (FEV₁ < 80%)

Lommatzsch et al., Fig. 1