COREA (n=1520)

Inclusion criteria

severe asthma according to the GINA guidelines



Severe asthma (n=352)

Inclusion criteria

- 1. patients on the treatment with moderate- to high-dose ICS and an LABA combination inhaler
- 2. patients who underwent all 3 pulmonary function tests under stable conditions
- 3. patients who were adequately treated and adherent to prescribed medications



Exclusion criteria

- 1. patients with any missing spirometry data at baseline or follow up visits
- 2. patients with acute exacerbated asthma
- 3. patients with serious non-pulmonary diseases or apparent pulmonary diseases such as emphysema or bronchiectasis on chest radiography

Severe asthma for the current study (n=235)

Evaluation for persistent airway obstruction



FAO (Fixed airway obstruction) FEV1/FEV <0.7 (n=119) RAO (Reversible airway obstruction) FEV1/FVC ≥0.7 (n=116)