Supplemental material; A flow diagram for this study

555 patients who visited related facilities and our hospital for the purpose of diagnosing and treating chronic intractable cough from January 2017 to December 2019

30 patients were excluded because of COPD (%FEV1 < 80%)

7 patients were excluded.
Lung cancer
Sarcoidosis
Diffuse pan bronchiolitis

Somatic cough syndrome 2

14 patients were excluded because of incomplete data to diagnose

503 patients were analyzed retrospectively. Diagnosis, FENO, pulmonary function tests LCQ, NLHQ, Sputum culture of fungi

Of 555 patients visiting related facilities and our hospital for diagnosis and treatment of chronic intractable cough between January 2017 and December 2019, 51 patients were excluded and retrospective analysis was performed in 503 patients.