**Table S1** Subgroup analyses by each cough measurement tools (cough NRS and COAT)

| Cough measure tools | Cough NRS | | | COAT | | |
|---|---|---|---|---|---|---|
| | Non-early (n=130) | Early (n=174) | P value | Non-early (n=31) | Early (n=273) | P value |
| Age (years) | 49.2±14.9 | 49.7±5.3 | 0.76 | 48.4±11.2 | 49.6±15.5 | 0.59 |
| <40 | 36 (27.7) | 52 (29.9) | 0.25 | 7 (22.6) | 81 (29.7) | 0.01 |
| 40–59 | 64 (49.2) | 70 (40.2) | | 21 (67.7) | 113 (41.4) | |
| 60 or more | 30 (23.1) | 52 (29.9) | | 3 (9.7) | 79 (28.9) | |
| Female sex | 95 (73.1) | 121 (69.5) | 0.59 | 26 (83.9) | 190 (69.6) | 0.15 |
| Cough duration (weeks) | | | | | | |
| 8–12 | 57 (43.8) | 90 (51.7) | 0.31 | 19 (61.3) | 128 (46.9) | 0.46 |
| 13–24 | 26 (20.0) | 27 (15.5) | | 4 (12.9) | 49 (17.9) | |
| 25–52 | 28 (21.5) | 27 (15.5) | | 5 (16.1) | 50 (18.3) | |
| >52 | 19 (14.6) | 30 (17.2) | | 3 (9.7) | 46 (16.8) | |
| Final diagnosis | | | | | | |
| UACS | 63 (48.5) | 115 (66.1) | 0.003 | 15 (48.4) | 163 (59.7) | 0.31 |
| Asthma/EB | 94 (72.3) | 118 (67.8) | 0.47 | 20 (64.5) | 192 (70.3) | 0.65 |
| GERD | 23 (17.7) | 20 (11.5) | 0.17 | 8 (25.8) | 35 (12.8) | 0.09 |
| Scores (points) | | | | | | |
| 0 week | 4.9±1.3 | 5.5±1.2 | <0.001 | 7.5±3.4 | 8.9±2.9 | <0.001 |
| 2nd week | 3.3±1.6 | 1.7±1.2 | <0.001 | 7.2±4.0 | 3.4±2.6 | <0.001 |
| 4th week | 1.9±1.6 | 0.9±0.9 | <0.001 | 3.3±2.6 | 1.9±2.1 | <0.001 |
| Δ (points/week) | −0.7±0.4 | −1.2±0.3 | <0.001 | −1.1±0.9 | −1.8±0.7 | <0.001 |

Data are presented as mean ± SD or n (%). NRS, numeric rating scale; COAT, cough assessment test; SD, standard deviation; UACS, upper airway cough syndrome; EB, eosinophilic bronchitis; GERD, gastroesophageal reflux disease; Δ, delta