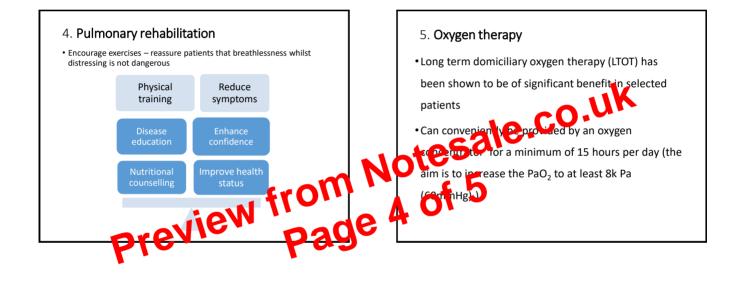
- This may reflect improvement in lung emptying that reduce dynamic hyperinflation and ease the work of breathing.
- Oral bronchodilator therapy may be used in patients who cannot use inhaled devices efficiently
 - Theophylline or bambuterol (pro drug of terbutaline)
 {Their use is limited by side effects, unpredictable metabolism and drug interactions}

3. Corticosteroids

- Inhaled corticosteroids (ICS) reduce the frequency and severity of exacerbations.
- The usual prescription is a fixed dose combination of inhaled corticosteroids (ICS) and a long acting β2 agonist (LABA)
- Oral corticosteroids are useful only during exacerbations
- Maintenance therapy my contribute to osteoporosis and impaired skeletal muscle function and should be avoided



- 6. Surgical interventions
- •Resection of large bullae (bullectomy)
- •Lung volume reduction surgery (LVRS)
- •Both bullectomy and LVRS can be performed
- thoracospically minimising morbidity

7. Other measures

- •Annual influenza and pneumococcal vaccination
- •Obesity management
- •Address poor nutrition
 - depression
 - social isolation
- Palliative management