

AphyrenTM

Acebrophylline 100 mg Capsules and
200 mg SR Tablets



Liberation From
Obstruction

La Renon[®]

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Class:

Aphyren is an airway mucus regulator with anti-inflammatory action.

Indication:

Treatment of Chronic obstructive pulmonary disease and bronchial asthma.

Mechanism of Action:

- Acebrophylline is a compound which has been found to act as a bronchodilating, mucoregulating and anti-inflammatory drug due to its components theophylline-7-acetate and ambroxol.
- Theophylline-7-acetate, as with other xanthinic derivatives, has a bronchodilator effect due to inhibition of the intracellular phosphodiesterases, followed by an increase of adenosine monophosphate cyclic levels, which promote the relaxation of bronchial muscles.
- Ambroxol modifies the mucous gel phase of secretions by decreasing the viscosity and increasing the serous gel phase. It increases the mucociliary clearance by stimulating cilia motility.
- Acebrophylline inhibits phospholipase A2 and phosphatidylcholine leading to lesser production of the powerful pro-inflammatory substances like leukotrienes and tumor necrosis factor. By inhibiting the synthesis and release of these inflammatory mediators, acebrophylline reduces inflammation, a key factor in airway obstruction, especially in chronic forms.

Dosage:

The usually recommended dose of acebrophylline for adults is one APHYREN Capsules twice daily. Acebrophylline capsules are not recommended for use in children (who may find difficulty in swallowing capsules). In elderly patients dosage may be adjusted if required.

Clinical Points:

- 1) It increases the synthesis of PULMONARY SURFACTANT and facilitates non-ciliary mucus clearance
- 2) Its BRONCHODILATOR effect significantly improves lung function & improves partial pressure of oxygen

Ref:

- 1) Dr.C.Saravanakumar et. al. International Journal of Pharma and Bio Sciences 2014 April ; 5 (2) : (P) 214 - 222
- 2) E.Pozzi et. al. Monaldi Arch Chest Disease 2007; 67- 2,106-115.

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La Renon Healthcare

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