

**Title : Efficacy of ciclesonide, budesonide and beclomethasone dipropionate in moderate persistent bronchial asthma: a comparative study**

**Abstract**

**Background:** The objective of the present study was to compare the efficacy and adverse effects of ciclesonide with that of budesonide and beclomethasone dipropionate in moderate persistent cases of bronchial asthma.

**Methods:** This was an open label, randomized parallel group study done in Government General and Chest Hospital, Hyderabad for a period of 12 weeks. Each group had 20 patients. Group A was given ciclesonide inhalational therapy 160 mcg once daily. Group B was given budesonide inhalational therapy 400 mcg twice daily. Group C was given beclomethasone dipropionate inhalational therapy 400 mcg twice daily

**Results:** Symptomatic improvement was observed in all three groups. At end point, mean FEV1 in ciclesonide treatment group improved by 23.84% compared with 15.24% in budesonide and 12.93% in beclomethasone treatment groups. At end point, mean FVC value in ciclesonide treatment group improved by 6.44% compared with 1.5% in budesonide and 1.06% in beclomethasone groups. Mean FEV1/FVC also improved by 16.56% in ciclesonide group compared with 13.68% in budesonide and 11.93% in beclomethasone groups. No adverse effects were reported in any of the treatment groups. **Conclusions:** This study showed that ciclesonide is superior to budesonide and beclomethasone in improving lung function, decreasing symptoms and need for rescue medication in moderate persistent asthma.

**For more details :**

[https://www.researchgate.net/publication/336054171\\_Efficacy\\_of\\_ciclesonide\\_budesonide\\_and\\_beclomethasone\\_dipropionate\\_in\\_moderate\\_persistent\\_bronchial\\_asthma\\_a\\_comparative\\_study](https://www.researchgate.net/publication/336054171_Efficacy_of_ciclesonide_budesonide_and_beclomethasone_dipropionate_in_moderate_persistent_bronchial_asthma_a_comparative_study)