

ORIGINAL ARTICLE

**A Cross-Sectional Study on Prescribing Patterns on Patients Suffering from Respiratory Disorders in a Teaching Hospital of South India**

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**Abstract**

**Objectives:** Drug utilization evaluation can be used for the description of drug use pattern; early signals of irrational use of drugs; interventions to improve drug use; quality control cycle; continuous quality improvement. Hence the present study was planned to know the prescription pattern of patients suffering from respiratory disorders in a teaching hospital of south India.

**Material and Methods:** A total of 152 cases from tuberculosis and chest department of Deccan College of Medical Sciences, Hyderabad, India suffering from respiratory disorders were studied for demographic details and prescription pattern.

**Results:** Mean age was 55.5 years. Commonest diagnosis was chronic obstructive pulmonary disease (COPD) - 57.2%. 21.7% patients had co-morbidity mainly diabetes and cardiovascular disorders. A total of 2246 drugs prescribed with an average of 14.78. Almost 75% formulations were oral and parental. Combination of Ipratropium bromide, Salbutamol and Budesonide was the most common prescribed drug. Other common drugs were Methylxanthenes, Montelukast & Antihistamine Combination, Pentaprazole and Amoxicillin-Clavulanic acid combination. In antibiotics, penicillin (97 drugs, 40.9%) was most common drug followed by cephalosporin (68 drugs, 28.7%) and fluoroquinolone (26 drugs, 11%) and in corticosteroids Budesonide was the commonest prescribed drug (144 drugs, 56.5%). **Conclusion:** Average number of drugs per prescription should be reduced and special programs should be initiated to reduce number of COPD.

**Key words :** Drugs, Prescription pattern, Respiratory disorders

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