



# **2<sup>nd</sup> Annual Students' Research Session - 2020**

**"Enhancing Healthcare Through Innovative Research"**

## **BOOK OF ABSTRACT**

**ASRS  
2020**

**10<sup>th</sup> December 2020**

# **Evaluation of Knowledge and Treatment Adherence among Asthmatic Patients Attending the Clinics in Selected Peripheral Hospitals of Batticaloa District**

Priyadarshana GV<sup>1</sup>, Abeykoon AMPP<sup>1</sup>, Wijetunge WMAL<sup>1</sup>, Rajavarthani S<sup>3</sup>, Arulanandem K<sup>2</sup>, Kartheepan K<sup>2</sup>

*<sup>1</sup>Faculty of Health-Care Sciences, Eastern University, Sri Lanka*

*<sup>2</sup>Department of Primary Health Care, Faculty of Health-Care Sciences, Eastern University, Sri Lanka.*

*<sup>3</sup>Department of Human Biology, Faculty of Health-Care Sciences, Eastern University, Sri Lanka.*

## **Abstract**

**Background:** Asthma is a chronic disease as well as a life threatening condition if not controlled properly. The effective management, control and prevention of severe acute attacks depend on patients' knowledge and adherence to medication. Thus, assessing the influence of knowledge and treatment adherence of the patients will support the disease control. This research focused to assess the knowledge and treatment adherence among asthma patients in selected peripheral hospitals in Batticaloa district.

**Methodology:** This hospital based descriptive cross-sectional study was carried out among 175 randomly selected asthmatic patients attending the clinics during the period of 1<sup>st</sup> September, 2018 to 31<sup>st</sup> August, 2019. The study settings were three (3) peripheral hospitals namely Base Hospital, Eravur (BHE), Base Hospital, Kattankudy (BHK) and Divisional Hospital, Arayampathy (DHA). Systematic Random Sampling approach was used as sampling technique. Data collection was done by interviewer administered questionnaire with the inclusion of possible contributing factors of knowledge and treatment adherence of asthmatic patients. Statistical software (SPSS 19.0) was used to analyze the data and p-value < 0.05 was considered significant for all analyses. Ethical approval was obtained from Ethical Review Committee, Faculty of Health - Care Sciences, Eastern University, Sri Lanka.

**Results:** Among the participants majority (69.1%) of them were male. Around half (46.29%) of the participants had a good knowledge while higher level of education was found in the age group between 40 and 59. Majority (79.43%) of the respondents had a good level of treatment adherence.

**Conclusions:** Asthmatic patients attending at peripheral hospitals had excellent knowledge and treatment adherence

**Keywords:** Asthma, Knowledge, Treatment adherence