

Study of clinical profile of patients with H1N1 Influenza in a teaching hospital of North Karnataka

Kashinkunti MD, Gundikeri SK, Dhananjaya M

ABSTRACT

Background: Influenza virus is a common human pathogen that has caused serious respiratory illness and death. In April 2009 a new strain of Influenza virus A H1N1 began to spread in several countries around the world and India confirmed its first case on 16 May 2009.

Aim: To study the clinic- epidemiologic profile of patients found positive for Influenza A H1N1 at a tertiary care hospital.

Methods: Prospective data of 134 patients with suspected influenza like illness was collected and subjected to throat swab testing for H1N1. Epidemiological characteristics were analyzed in terms of clinical presentation and outcome.

Results: Twenty-two (16.4%) patients were confirmed (positive) for H1N1. Maximum 17(77.2 %) patients were in the age group 16-50 years. Male (54.5%) were affected more than Females (45.5%). 18(81.8%) had underlying risk factors. Fever (95.5%) and cough (90.9%) were common presenting symptoms. Total 17 (77.2 %) patients were put on mechanical ventilator, out of them 17(77.2%) survived.

Conclusion: Fever and cough were most common presenting symptoms. Development of ARDS, requirement of mechanical ventilation and having co-morbid condition were poor prognostic factors.

Key words: