

Experience of H1N1 infection diagnosed in a Tertiary Care Hospital in Kolkata

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Introduction:

The World Health Organization raised a Pandemic alert for H1N1 influenza infection as “Public health emergency of International concern”. This study aimed to find out the percentage of positive cases along with presence of co morbid conditions and severity as per laboratory as well as clinical findings.

Methods:

H1N1 test has been carried out for all the patients using TrueLab Duo with TruePrep Auto Universal sample preparation kit and TrueNat H1N1 chip based Real Time PCR kit from Molbio Diagnostics.

Results:

This study has been carried out at Medica Superspecialty Hospital between April to July 2019. The total Number of 73 patients has been studied (55 male and 18 female). Among those 5 cases are positive with male: female ratio 3:2. Most common presenting symptoms for all positive cases were fever, cough and shortness of breath. Co morbid conditions associated are CKD, hypertension, DM, AKI, hepatitis, pyelonephritis, hypothyroidism, MTB infection. All positive patients exhibit an increased level of CRP and plasma LDH. 40% patients are diagnosed with elevated liver enzymes and ADA. 60% positive patients have been tested with elevated Blood urea and creatinine level and 20% with microalbuminuria. Patient with MTB infection with elevated level of procalcitonin died. All the positive patients have shown an altered serum albumin globulin and sodium potassium level.

Conclusion:

Co morbid conditions should be carefully monitored during H1N1 infection for effective clinical outcome.