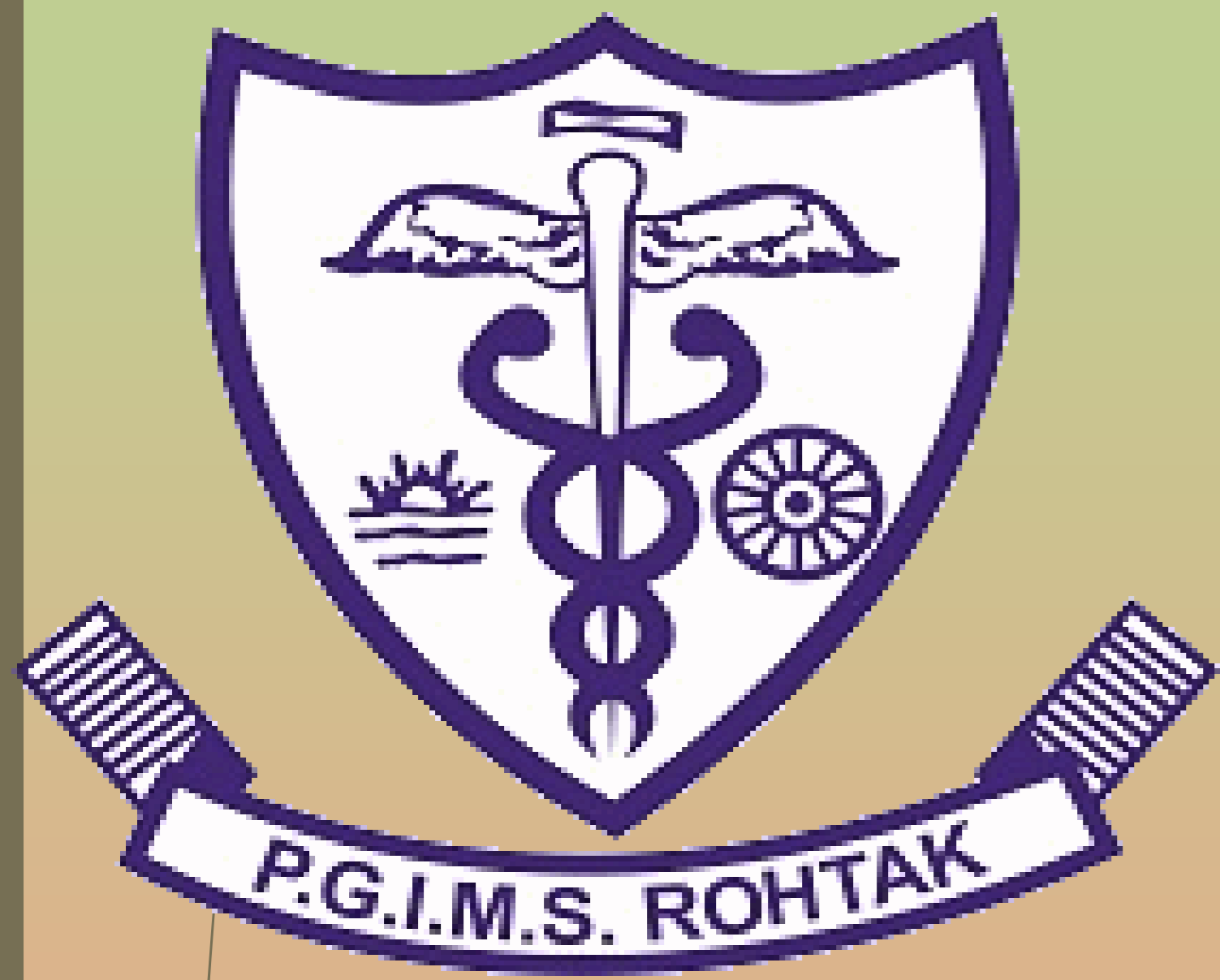


# To explore the severity of disease in COVID-19 patients



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## Objective

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## Introduction

- The pandemic of corona virus disease 2019 (COVID-19) originated initially from Wuhan in December 2019.
- The corona virus disease has swept all over the world, posing a great pressure on critical care resources due to large number of patients needing critical care.
- Most of people even healthcare workers were afraid, anxious and confuse about the progression of disease.
- It was necessity of time to acquire the knowledge about the severity of new pandemic so that it can help the frontline healthcare providers to establish more facilities to manage patients according to the severity of disease.

## Method

213 COVID-19 patients were analysed (asymptomatic, with mild symptoms, and severe) while working in multiple COVID-19 management areas like ICU, OPD and emergency.

## Results

- Among COVID-19 patients,
  - ☐ 86.2% patients were having mild symptoms or asymptomatic,
  - ☐ 11.3% with severe and 2.5% having critical.
  - ☐ The case fatality rate was 1.9%. The fatality rate was much higher in patients with other co-morbidities.
  - ☐ It was found that 65% critical patients developed acute respiratory distress syndrome (ARDS), 35% acute renal failure, 21% liver failure and 1.8% pneumothorax.

## Conclusion

- ✓ Most of the patients were asymptomatic or developed very mild symptoms.
- ✓ The severity was higher in patients having diabetes mellitus , cardiovascular disease , hypertension, chronic lung disease, renal disease and cancer.
- ✓ The fatality among most patients was mainly due to respiratory and multi organ failure.

## References

1. World Health Organization. Global Surveillance for human infection with coronavirus disease (COVID-19). 2020.
2. World Health Organization. Coronavirus disease (COVID-2019) situation reports 2020