

## Family Cluster of Novel Coronavirus (2019-nCoV) Pneumonia

Alessandro Graziani\*, Marco Domenicali, Francesco Palmese,  
Grazia Zanframundo, Barbara Caroli

<sup>1</sup>Medicina Interna, Ospedale Santa Maria delle Croci, Ravenna, Italy

---

### Abstract

**Background:** On January 9 2020, the World Health Organization (WHO) declared the identification, by Chinese Health authorities, of a novel coronavirus, further classified as SARS-CoV-2 responsible of a disease (COVID-19) ranging from asymptomatic cases to severe respiratory involvement. On March 9, 2020, WHO declared COVID-19 a global pandemic. Italy is one of the most affected countries by COVID-19 infection.

**Case report:** We describe the clinical and the radiological features of one family cluster of 2019-nCoV.

**Conclusions:** Despite the evidence about comorbidity, age and prognosis, the youngest woman was the patient with the more severe pulmonary radiological findings. This is due to

the worse initial clinical manifestations, where the higher inflammatory state is related to the greater diffusion of the pulmonary lesions

**Key words:** COVID 19, Interstitial Pneumonia, Coronavirus, Thorax Computed Tomography

---

**Address for correspondence:** Alessandro Graziani\* Medicina Interna, Ospedale Santa Maria delle Croci, Ravenna, Italy. Viale Randi 48121, Ravenna Italy. E-mail: [alessandro.graziani@auslromagna.it](mailto:alessandro.graziani@auslromagna.it)