

# COVID-19 infection in symptomatic pregnant women at the midpoint of the pandemic in Spain: a retrospective analysis

Elias Ortiz<sup>1</sup>, RAFAEL HERNANDEZ PAILOS<sup>1</sup>, Maria Pola Guillen<sup>1</sup>, Ana Isabel Pascual Pedreño<sup>1</sup>, Eduardo Rodriguez<sup>1</sup>, and Antonio Hernandez Martinez<sup>2</sup>

<sup>1</sup>Hospital la Mancha Centro

<sup>2</sup>Universidad de Castilla-La Mancha - Campus de Ciudad Real

May 6, 2020

## Abstract

Objective: Determine the strengths and weakness of a symptomatic screening for COVID-19 in pregnant women. Analyze the clinical presentation, management and outcomes. Design: Descriptive retrospective observational study. Setting: Mancha-Centro Hospital (Spain) Population: Symptomatic pregnant women with confirmed diagnosis of COVID-19. Methods: Between the 12th of March and 17th of April 2020, all the symptomatic pregnancies were screened with diagnostic test for SARS-CoV-2. Data collection was done by reviewing the medical records and telephone interviews. Main outcomes measures: Clinical characteristics, management, treatment, and obstetric and neonatal outcomes. Results: 20 patients with positive COVID-19 diagnostic test out of thirty-four suspected. The most common symptoms were fever 70%, cough 65% and myalgia 35%. A unique symptom of presentation in 20% of the cases. COVID-19 pneumonia was diagnosed in 30% by chest X-ray and one case had pulmonary embolism associated diagnosed by CT-Scan. Thromboprophylaxis was indicated in 16/20 patients. Eight women finished their pregnancy during the observation period. Type of birth: 25% natural birth, 12.5% assisted vaginal delivery and 62.5% caesarean section. We had three severe cases, two of them with intensive care support. All neonates had negative test for COVID 19 infection. Conclusions: We recommend universal screening of all pregnant woman for COVID-19 during the pandemic because of the limits of the symptomatic screening seen in this studio and the ratio of asymptomatic pregnancies with positive test for COVID-19 recently published. Funding: No funding. Keywords: COVID-19, pregnancy, screening, outcomes, symptoms, delivery.

## Hosted file

MAIN TEXT with tables and figures. COVID-19 infection in symptomatic pregnant women at the midpoint of the pandemic in Spain: a retrospective analysis available at <https://authorea.com/users/317927/articles/447979-covid-19-infection-in-symptomatic-pregnant-women-at-the-midpoint-of-the-pandemic-in-spain-a-retrospective-analysis>

## Hosted file

Figures and tables. BJOG. .docx available at <https://authorea.com/users/317927/articles/447979-covid-19-infection-in-symptomatic-pregnant-women-at-the-midpoint-of-the-pandemic-in-spain-a-retrospective-analysis>