

Prevalence of *Bordetella pertusiss* by PCR in the Martyr Beheshti Hospital Yasuj

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Background & Objectives: *Bordetella* a gram-negative bacteria and most parasites are essential in the respiratory tract of humans and warm-blooded animals live, But only to infect humans and cause disease *Bordetella pertusiss* Whooping cough is a contagious disease that the vaccine is still the cause of death among the elderly and infants addition to the incidence of acute bronchitis And can be used as a reservoir for transmission to children of non-specificity with regard to these problems and early signs of disease And can be used as a reservoir for transmission to children of non-specificity with regard to these problems and early signs of disease And the disease being transmitted via respiratory particles, we need early detection and prevention of disease outbreaks The aim of this study conducted in the proper vaccinations and disease prevalence in adults and children is diagnosed with pneumoniae and bronchitis.

Methods: After review and completion of patient questionnaires and 126 blood samples collected sputum samples for culture, gram staining, serology and PCR was performed.

Results: Among 126 samples, 35.7% men and 64.3% female, average age 44 years was between 1 and 70 years of age, 34.9% were not vaccinated and symptoms were seen in most people Including chest pain 84.9%, 96% phlegm, dyspnea 87.6% and 46.6% had a history of respiratory infections, of which no cases were found positive pertusiss .

Conclusion: According to the results obtained and the outbreak of flu-like symptoms and dangers of being sure we could make sure the vaccination. Considering that in 90 years in Mazandaran reports whooping cough in children were given a number that proves the disease has been eradicated so we can identify the prevalence of this methods to use.

Keywords: Whooping Cough; *Bordetella pertusiss*; Sputum; PCR