

RESEARCH ARTICLE

People's views about pertussis

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ABSTRACT

The objective of the present study was people's views about pertussis. There were 78 subjects. The pertussis is whooping cough. *Bordetella pertussis* is responsible for this disease. It is a respiratory disease. It makes difficult to breathe. Pertussis causes pneumonia, fever, flu, and even brain damage. Babies undergo in death during pertussis. It also causes vomit during coughing. Antibiotics are used in this disease. Vaccines of pertussis are also available.

Keywords: Pertussis, Pneumonia and brain damage, Antibiotics

INTRODUCTION

Pertussis is whooping cough. *Bordetella pertussis* is responsible for this disease. It is a contagious respiratory disease.^[1] In this disease, uncontrollable severe coughing starts which often makes difficult to breathe.^[2] Antibiotics are used in this disease. Whooping cough is dangerous for babies. Many children undergo in death. It can infect any age person child, elders, and old people. It causes pneumonia, fever, and even brain damage. Flu, fever, and mild cough are initial symptoms of pertussis. Pertussis also caused vomit and tiredness. It also causes rib fracture. Whooping fit occurs and gasp or whoop sound produces when infected person breathe. It is spread through the air. Sneezing and coughing help in spreading of pertussis. Pertussis vaccine is also available.

MATERIALS AND METHODS

This study contained 78 subjects. All were the students of Bahauddin Zakariya University, Multan, Pakistan, with the age between 19 and 25 years old. Views of students about pertussis are given in Tables 1-6.

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Project design

A questionnaire was prepared to know about the people's views about pertussis. There were different tables that are made according to questions. Survey of class was done and students answered according to their knowledge.

Statistical analysis

Statistical analysis was performed using Microsoft Excel.

Table 1: Questionnaire to evaluate the people views about etiology of pertussis

Pertussis is a	Yes (%)	No (%)
Pertussis is a viral disease	0	100
Pertussis is a bacterial disease	96.15	3.85
Pertussis is a fungal disease	6.41	93.59
Pertussis is genetic disease	11.54	88.46
Pertussis is a metabolic disease	42.30	57.69
Ever suffered from pertussis		
You	7.69	92.30
Your family member	14.10	85.89
Your relative	37.17	62.82
Your neighbor	24.36	75.64
Your friend	28.20	71.79
Pertussis may transmitted by		
Contacts or blood transfusion	26.92	73.07
From parents to offspring	16.67	83.33
Pertussis may be treated by		
Medicines	93.58	6.41
Surgery	11.54	88.46
No need of treatment	17.94	82.05

RESULTS AND DISCUSSION

This study contained 78 subjects. All were the students of Bahauddin Zakariya University, Multan, Pakistan, with the age between 19 and 25 years old. Views of students about pertussis are given in Tables 1-6. 0% of people said that it is a viral disease. 96.15% said that it is a bacterial disease. 11.54% said that it is a genetic disease. 42.30% of people said that it is a metabolic disease. 7.69% of people said that they were suffered from this disease. 26.92% said that it is transfused by blood or contact. 16.67% of people said that it is genetically transferred. 93.58% of people said that

it is cured by medicine. 11.54% said that it is cured by surgery. 17.94% said no need of treatment.

People's views about pertussis are given in Tables 1-5. After the survey of the whole class, the following results were obtained.

Questionnaire-based studies have been given an important outcome in the current research.^[3-10] Wirsing von König *et al.* studied the awareness about pertussis. We concluded that a combination of strategies to reinforce the implementation of current childhood immunization programs, increase the number of vaccine doses given in childhood and adolescence and target specific groups of high-risk adults is currently considered

Table 2: Questionnaire to measure awareness about pertussis

Pertussis is	Yes (%)	No (%)
Pertussis is viral disease	0	100
Pertussis is bacterial disease	96.15	3.85
Pertussis is fungal disease	6.41	93.59
pertussis is genetic disease	11.54	88.46
pertussis is metabolic disease	42.30	57.69

Table 3: Questionnaire to evaluate views about the prevalence of pertussis

Ever suffered from pertussis	Yes (%)	No (%)
You suffered from pertussis	7.69	92.30
Your family member suffered from pertussis	14.10	85.89
Your relative suffered from pertussis	37.17	62.82
Your neighbor suffered from pertussis	24.36	75.64
Your friend suffered from pertussis	28.20	71.79

Table 4: Questionnaire to evaluate views about transmission of pertussis

Pertussis is transmitted by	Yes (%)	No (%)
Contacts or blood transfusion	26.92	73.07
From parents to offspring	16.67	83.33

Table 5: Questionnaire to evaluate views about hope for pertussis

Pertussis may be treated by	Yes (%)	No (%)
Medicines	93.58	6.41
Surgery	11.54	88.46
No need of treatment	17.94	82.05

Table 6: People views about etiology of pertussis

Pertussis	Male		Female		Total	
	Yes (%)	No (%)	Yes (%)	No (%)	Yes (%)	No (%)
Pertussis is a viral disease	0	100	0	100	0	100
Pertussis is a bacterial disease	100	0	95	4.76	96.15	3.8
Pertussis is a fungal disease	13.33	86.66	4.76	95.23	6.41	93.59
Pertussis is a genetic disease	26.66	73.33	7.93	92.06	11.54	88.46
Pertussis is a metabolic disease	26.66	73.33	46.03	53.96	42.30	57.69

to be the first step to reduce morbidity and mortality caused by pertussis in young infants and reduce the health burden in older age groups due to waning immunity.

CONCLUSION

Pertussis is a bacterial disease. 96.15% of people said that pertussis is a bacterial disease. 0% of people said that pertussis is a viral disease. 93.58% of people said that it is cured by medicine.

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