

## RESEARCH ARTICLE

## What are the views of the people about cause of nocardiosis and how it is transmitted to other people?

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### ABSTRACT

The objective of the current study was about knowingness of etiology of nocardiosis. It was caused by bacillus bacteria known as nocardia. It caused lung infection and skin infection. When it diffused into the blood then it cause serious brain infection. The people which have low immunity, caused infection but those having strong immunity have less infected.

**Keywords:** Nocardiosis, transmission, symptoms, treatment, immunity.

### INTRODUCTION

Nocardiosis is a disease whose causative agent is bacillus bacteria named as nocardia. It mainly affects the skin and lungs. On basis of this, it has two types named as pulmonary infection which caused lungs and cutaneous infection which caused skin. This type of bacteria found in soil and in still water. This disease infects only those whose immune system is weak. It infects the lungs only when we inhale it to our body. It infects the skin only when it enters in our body through scratches and wounds on our body. Women are less infected about three times than men. Symptoms of this disease are appetite loss, loss of weight, pain in chest, weakness, cavity formation on hands and rare ends. Fever is also a symptom of this disease. It leads to serious brain diseases when treatment is not given then infection goes into bloodstream. The main objective of this study was about knowingness of etiology of nocardiosis.

### MATERIALS AND METHODS

A questionnaire was made about the nocardiosis that consist of the following questions which are that it is a bacterial, viral or fungal disease. It is metabolic or genetic disease. It is spread through the blood transfusion or transferred from parents to offspring. Have you infected from this disease, your family member, your relatives or your friends have got it. And this disease is handling by medicine or by surgery or there is no need of treatment. We gave paper to the people having following questions and mention answers in yes or

no only. In this study 100 people were participated including both male and female. In it 27 were male and 73 were female. Their views are mention as under in the tables 1-4.

**Table 1: Questionnaire to appraise consciousness about etiology of Nocardiosis**

<u>Nocardiosis is a</u>	Yes	No
1. Virus infected	03	97
2. Bacterial infected	96	04
3. Fungal infected	08	92
4. Genetic caused	12	88
5. Metabolic caused	54	46

**Table 2: Questionnaire appraise opinions about predominance of Nocardiosis**

<u>Ever suffered from Nocardiosis</u>	Yes	No
1. You	06	94
2. Your family member	13	87
3. Your relative	09	91
4. Your neighbor	25	75
5. Your friend	08	92

**Table 3: Questionnaire to appraise opinions about transfer of Nocardiosis**

<u>Nocardiosis is transferred by</u>	Yes	No
1. Transfusion of blood	10	90
2. Parents to offspring	08	92

**Table 4: Questionnaire to appraise opinions about expectation for Nocardiosis**

<u>Nocardiosis may be cured by</u>	Yes	No
1. Medicinal doze	97	03
2. Operate	09	91
3. No treatment required	22	78

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## RESULTS AND DISCUSSION

There were 100 people who participated in this study. In it, 27 were males and 73 were females. We asked them some questions that were discussed above, on the paper that's answer form were in yes or no. We asked them that nocardiosis is a bacterial disease and they answered it. Out of 100% male, 100% male were answered that it is a bacterial disease and no male were answered that it is not a bacterial disease but on the other hand out of 100% female, 94.52% were said that it is a bacterial and 5.48% said that it is not a bacterial disease. Then we asked them about it that it is a viral disease and they answered it. All male said that it is not a viral disease but 4.19% female said that it is a viral and 95.89% answered it is not a viral disease. Then we asked them that it is a fungal disease. All male answered that it is not a viral disease but 6.85% female said that it is a fungal and 93.15% said that it is not a fungal disease. Then we asked them that it is a genetic disease and they expressed their views. All male answered that it is not a genetic disease but 10.96% female said that it is a genetic and 89.04% answered that it is not a genetic disease. Then we asked them that it is a metabolic disease and they expressed their opinions. 77.78% male said that it is a metabolic and 22.22% answered that it is not a metabolic disease. 45.20% female said that it is a metabolic but 54.79% female answered that it is not a metabolic disease. In all people only 10% people said that it is transmitted through blood transfusion but 90% people said that it is not transmitted through blood transfusion. On the other hand 8% people said that this disease is transferred from parents to offspring but 92% said that it is not transferred from parents to offspring. And 97% people think that it is cured by taking medicine but only 3% think that it is not treated by medicine.

**Table 5: Consciousness about etiology of Nocardiosis: Views of People in percentage**

Questions	Male		Female		Total	
	Yes	No	Yes	No	Yes	No
Viral disease	0.00	100	4.19	95.89	03	97
Bacterial disease	100	0.00	94.52	5.48	96	04
Fungal disease	11.11	88.89	6.85	93.15	08	92
Genetic disease	14.81	85.18	10.96	89.04	12	88
Metabolic disease	77.78	22.22	45.20	54.79	54	46

## CONCLUSION

It was concluded from the above discussion that nocardiosis is a bacterial disease caused by nocardia specie. It is a bacillus type of bacteria.

This disease is not transferred from parents to offspring. Its medicine is available. There is no need of surgery in it. When infection of this disease occurs then took medicine to get rid off from this infection.

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