

## Axis College Material

### Appendix F

Answer the following two case studies. Each patient's history referred to is available for further evaluation at a medical system website. Define characteristics of the disease each patient is suffering from by answering the questions associated with each case study. Answer if you can.

#### Case Study 1

Name	James J. Smith
Age	65
Gender	Male
Occupation	Retired

Individual Medical History

James J. Smith, MD  
1234567890  
1234567890  
1234567890

#### Case Study 2

James J. Smith, MD  
1234567890  
1234567890  
1234567890

#### History

James J. Smith, MD

Answer the following questions:

1. What conditions could explain the disease?

There is no certain cause of multiple sclerosis. It has been attributed to various causes, including infections in which the immune system overreacts, even though it is an autoimmune disease.

2. What structural and functional of the nervous system are affected by multiple sclerosis?

A multiple sclerosis patient has lesions and gaps in an insulator to ensure the direction and velocity of the nerve signal transmission. The degeneration of myelin sheath in multiple sclerosis causes the slowing of the signal speed due to slowed conduction.

3. What are the signs to treat the disease?

It says there is no specific treatment for multiple sclerosis that works effectively for long periods. Physical therapy enables the person to use nonverbal methods. (Check research and sources)