

Amber Raiman

N442 Contagion Video handout

Use your textbooks to understand epidemiology and nursing implications for communicable diseases.

1. Do you think the discussion with the physician right after his wife dies realistically portrays how a medical provider could explain such a phenomenon?

no, I think a provider would try to be around the subject to not be at risk for a law suit.

2. How many times do you touch your face during the movie?

a lot

3-5 min
30hr
What do they quote as the range in which people touch their face in an hour?
2-3,000 times a day

3. Identify the chain of infection:

The infectious agent, Reservoir, portal of exit, mode of transmission

Portal of Entry

4. What is/are the infectious agent?

BAT droppings to Pigs to Human-contact

5. What diseases did they rule out?

NIPAH VIRUS

Flu

Smallpox

Polio

meningitis - meningitis

measles

6. What is the reservoir?

THE HOST THAT carries the pathogen
- Human

7. What are the portals of entry? The portals of exit?

face

nose

mouth

Body surface

8. What are the fomites? Can the virus live for 6 days on a box?

LIVE on surface

→ not on box

9. What is the process they take to determine what the disease is?

Incubate to grow to identify virus

DNA Sequencing

10. What agencies get involved?

CDC - WHO

1111

~~Amber Raini~~

Amber Raini

22. What are the symptoms of the virus?

Seizure, fever, cough, death

Headache, sore throat

23. How do they develop a vaccine?

Have to be able to grow the virus on a cell
growing in a BSL-3

CANT grow in cell

Live attenuate

24. How is the vaccine administered?

Intranasal

Genetic RNA

used for the same genetic strain

25. Is it a live virus vaccine versus an attenuated virus vaccine?

Live - typhoid

Bacille Calmette

→ attenuate

Live that can

What is the difference?

convert + harm the host.

attenuated - weakened virus - not full strain
mme, varicella, Rotavirus + Influenza (Intranasal)

26. What sort of immunity does the vaccine provide?

Active

27. How can the vaccine be administered to the greatest number of people?

Water supply was suggested in movie. Home inv Security like glands

28. How does the environment, transportation, communication, essential services, government, and health care facilities get involved?

mass curfew, manage supply chain, - prevent transportation + eliminated

29. In your opinion do local, national, and global politics make a difference in the development and distribution of the vaccine?

Distribution - National Lottery - vaccine - age limitation. old standard (covid)

Explain your opinion? yes + NO, the companies that make + distribute make money + are financially rewarded for promotion.

of the vaccine.

30. Does it make a difference if there is a rush to develop the vaccine? yes

Speed up the trial period on vaccine development. Human trial, distribution, Approval etc...