



SNS COLLEGE OF NURSING
Saravanampatti (po), Coimbatore.



DEPARTMENT OF NURSING

COURSE NAME: BSC(NURSING) II YEAR

SUBJECT :COMMUNITY HEALTH NURSING

UNIT: IV EPIDEMIOLOGY OF COMMUNICABLE
DISEASE

TOPIC : RESPIRATORY DISEASE / CHICKEN
POX



INTRODUCTION

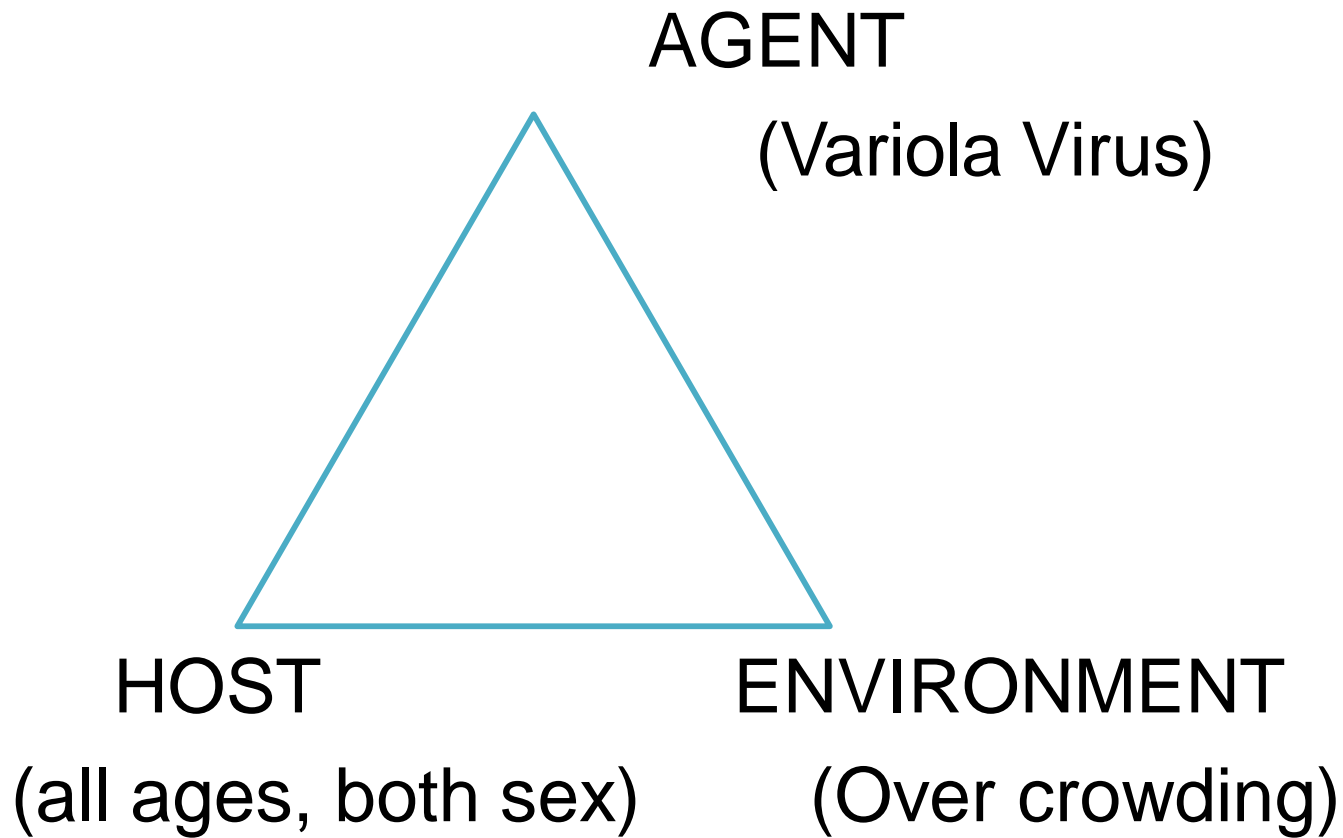


An acute contagious viral disease, with fever and pustules that usually leave permanent scars.

It was effectively eradicated through vaccination by 1979.



EPIDEMIOLOGICAL TRIAD





CONTD.....



INCUBATION PERIOD

7 to 17 days



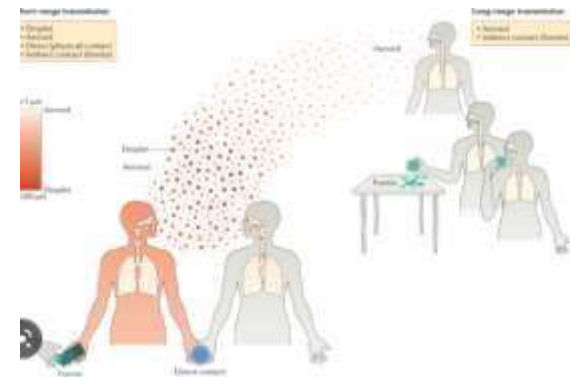


CONTD.....



MODE OF TRANSMISSION:

- ❖ Droplet infection (Transmitted through Cough, sneeze or saliva)
- ❖ Direct contact with Skin lesions or infected body fluids or infected person
- ❖ Direct contact with contaminated clothing or bed linens





SIGNS AND SYMPTOMS



PRODROMAL STAGE (2 – 4 Days)

- ✓ Fever (in the range of 101 – 104 degree F)
- ✓ Malaise
- ✓ Head and body aches





SIGNS AND SYMPTOMS



EARLY RASH (upto 4 days)

- ✓ Rash emerges first as small red spots on the tongue and face spreading to the arms and legs
- ✓ Usually spreads all parts of the body within 24 hours. On 4th day the Bumps fill with thick, opaque fluid.





SIGNS AND SYMPTOMS



PUSTULAR RASH (About 5 days)

- ✓ The bumps become pustules- sharply, raised, usually round and firm to touch as if there's small round object under the skin.

PUSTULES AND SCABS (About 5 days)

- ✓ The pustules begin to form a crust and then scab.





SIGNS AND SYMPTOMS



RESOLVING SCABS: (About 6 days)

- ✓ The scabs begin to fall off, leaving marks on the skin that eventually becomes pitted scars.





SIGNS AND SYMPTOMS



Day 3



Day 5



Day 7





DIAGNOSIS



- History collection
- Physical Examination





PREVENTION AND CONTROL



- Isolation of the infected person
- There is no proven treatment for small pox
- Vaccination is the only way to prevent small pox.

In children

MMR – 0.5ml in Subcutaneous at 9 months.





CONCLUSION



Chicken pox or Varicella is an acute, highly infectious disease caused by Varicella Zoster (V-Z virus)





ASSESSMENT



- 1) Causative organism of Chicken pox
- 2) Explain about signs and symptoms of chicken pox
- 3) Describe the prevention of chicken pox.





REFERENCE



- K. Park, Text book of preventive and social medicine, Bhanot publication, 18th edition.
- B.T.Basvanthappa, Community health nursing, Jaypee, Publication, 6th edition.

