

Infection Control

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Spreading Infection

Requirements for spread are:

Source

Route

Contact, droplet, airborne, common vehicle and vector

Host

Preventing Spread

Decrease host susceptibility

Eliminate Source

Interrupt the Routes of Transmission

Preventing Spread

Handwashing

The most common cause of nosocomial infection is hand contact

Before and after patient contact (even with gloves)

30 seconds of thorough washing first time of the day

15 seconds afterward

Dry with clean paper towel.

Use dry towel to turn off faucet

Preventing Spread

Disinfecting gels

More available

Before and after contact

After initial hand wash

15 second rub

Wash if visibly dirty or before meals

Standard Precautions

Treat every patient as they are infected

Wash/disinfect before and after contact

Glove if contact with body fluids is possible

Use eye protection if splash or spray is possible

Wear a gown when splash or spray or contact or soiling with fluids is possible

Handle equipment as if contaminated

Do not re-use disposables

Do not re-sheath sharps

Dispose of sharps

Contact Precautions

Direct contact with infected areas
Private room if possible
Glove on entry
Change after contact with infected areas
Remove gloves before leaving the room
Gown if clothing could come in contact with contaminants
Clean non-disposables

Droplet Precautions

Transmission by cough
Private room if possible
Simple mask when entering room or within 3 feet of patient
Patient to wear a mask when transporting

Airborne Precautions

Negative pressure HEPA filtered room
Door closed
High efficiency N95 mask or PAPR
Gown and glove per policy

PPE

High-efficiency mask
Need to be fit tested
No facial hair

PPE

Powered Air Purifying Respirator (PAPR) Hoods
One size fits all
Battery operated blower
Difficult to hear

Conclusion

Hospitals all have written policies
Proper infection control techniques help patients and caregivers
Infection control is the best way to stop the spread of disease
Contact milischr@westerntc.edu if there were any problems with the presentation

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