INFECTION CONTROL MEASURES

By

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INFECTION CONTROL MEASURES

• Routes of transmissions
  – Contact
  – Vehicle
  – Airborne
  – Vector borne
CONTACT

• Direct contact
  – Giving bath
  – Performing procedure
  – Changing dressing
Contact

• Indirect contact
  – Contaminated instruments

• Droplet contact
  – Close contact
Vehicle route

- Contaminated blood & blood products
- Secretions
- Bedding covers
Airborne Route

• Droplets infection
  – Dust particles
  – Droplets nuclei
Vector borne

- Mosquito
- Flies
- Cockroach
Protective Measures

• Source isolation
  – Confine the infectious agent

• Protective isolation
  – Immunocompromised patient
Diseases to isolate

- Diarrhea
- Rashes
- PUO
- Open TB
- Cellulitis & sore throat
- MRSA
- GRE
- Resistant Gm –ve organism
Isolation Procedures

- Explain to patient
- Remove extra equipment
- Protective covers
- Health care taker should be immune to disease
Equipment required outside the Room

- Notice
- Disposable aprons
- patient’s file
- Plastic bags
- Chlorhexatidine hand wash
Equipment required inside the Room

- Disposable gloves
- Disinfectant hand wash
- Paper towel
- Yellow plastic bag
- Red plastic bag
- Foot operated Bins
Hand wash

• Important single way of reducing cross infection
Important Do’s

• Roll up sleeves above elbow
• Remove Jewellery
• Squeeze liquid soap into palm of hands
• Hold hands below elbow
• Rub, Rinse & Dry
When to wash hands

- Before & after wearing gloves
- Contact with infected material
- Isolation room
Disinfectant hand wash

- Body fluid
- Aseptic technique
- Before & after ICU shift
Disinfectant

- Chlorhexadine gluconate
- Povidine iodine
NICU & PICU Protective Measures

• Staff free of infection
• Barrier nursing
  – Change of shoes
  – Gowns, caps & mask
  – Hand washing
  – Restriction of visitors
• Isolate infected patients
• MRSA
  – Referral from Other hospital
  – Positive mother
  – Nosocomial infection
• Septic patients
  – Dai handled
  – Prolong rupture of membrane
  – Infectious diseases
Control Measures

- Hand hygiene
- Environmental hygiene
- Equipment cleaning
  - Incubator
  - Suction machine
  - Tubings
  - Ventilator
  - Stethoscopes & thermometer
Control Measures

• Swabs for C/S
• Proper disposal
  – Needles
  – Nappies
  – Tubes
• Nurse one patient in one crib
• Fumigate the NICU
Take home message

• Proper hand washing
Thankyou