Discontinuing Contact Precautions

Infection Prevention and Clinical Epidemiology
March 2008
Definition of Terms

- **MDRO**: Multi-Drug Resistant Organisms. Include:
  1. **MRSA and VRE**
  2. **ESBL organisms**: Gram negative bacteria that produce extended-spectrum beta lactamase (ESBL) enzymes which result in resistance to most antibiotics.
  3. Bacteria that are resistant to most antibiotics.
  4. **C. difficile** – toxin producing bacteria.

- **Active Surveillance Cultures (ASC)**: Cultures done on every patient admitted to find the presence of MRSA, VRE.

- **Clinical Cultures**: Cultures done on patients with clinical symptoms.

- **CPOE**: Isolation orders available for MD and RN to order Airborne, Droplet, Contact &/or C-Diff Precautions.

- **IPCE**: Infection Prevention and Clinical Epidemiology Unit
Order Screen: Can order > 1 isolation type

Select one or more except for NONE  Current isolation Precaution is:

- [ ] NONE

**PREVENTION & CLINICAL EPIDEMIOLOGY: ISOLATION PRECAUTIONS**

Infectious Condition

- AIRBORNE AFB: eg; TB, SARS.
  - Post Red Airborne Sign outside negative flow room. Fit-tested N95 required.
- Airborne eg; Chickenpox, Measles.
  - Post PINK Airborne Sign outside negative flow room.
  - Immunity (natural or vaccination) to the diseases is required.
- DROPLET: eg; Meningitis, Influenza, Mumps.
  - Post YELLOW sign. Surgical masks, goggles, face shields within 3 feet of patients required.
- CONTACT: eg; VRE, ESBL, C-DIFF, MDRO.
  - Post GREEN sign. Gloves & gown with Pt and their environment; use of dedicated equipment required.
- C-DIFF PROTOCOL: In addition to Contact Precautions
  - use Soap and Water for Hand Hygiene. Also refer to C-Diff Med Order-set.

The option “NONE” is only available for the MD new admission and MD transfer orders. It will not appear in the Protocol orders.
IPCE Unit receives notification of patient with previous known history of contact isolation due to MDRO, via admission census report.
Infection Control Main Line: (619)471-9045

Our Goals:

- Surveillance & Monitoring
- Prevention & Outbreak Investigations
- Environment of Care
- Consultation
- Education & Focused Studies
- Coordination

Guidelines for Stopping Contact Precautions. Enter here...

IPCE Standing Committee Meetings 2008

Common Sense Rules for Personal Items in the OR

Instruction for ordering Isolation Signs and IC Manual hard copy.

Possible Communicable Disease Exposure form

Definition of Close Contacts for Communicable Diseases
List of Algorithms

(1) **MRSA** diagnosed in-house

(2) **MRSA**: Admitted with previous known history

(3) **MDRO** diagnosed in-house:
    No previous known history

(4) **MDRO**: Admitted with previous known history

(5) **C-Diff** diagnosed in-house;
    No prior history

(6) **C-Diff**: Admitted with Prior History
High Risk Areas Needing Contact Isolation for MRSA
Revised 3/10/2008

(1) All adult ICUs: SICU, MICU/CCU, BICU, TICU
(2) SICU overflow area: 9-933
(3) Burn IMU, 5 IMU, 7 IMU, Thornton IMU (2East)
(4) Infant Special Care (ISCC)
(5) Labor and Delivery
(6) 4East and 4West
(7) 7th floor high-risk antepartum
Algorithm 1
MRSA diagnosed in-house
*Place in Contact Precautions if admitted in high risk areas*
(see previous slide)

- Re-culture primary site(s) if available
  - Positive: keep on CP
  - If Negative (or not available), collect 1 nares swab and 1 axilla or groin swab
  - Swabs #1
    - Positive: keep on CP
    - Start again with swabs #1
    - Negative result
      - 3 days after swabs #1
      - Swabs #2
      - Negative result
        - Discontinue Contact Precautions

*CP: Contact Precautions*
Algorithm 2
MRSA: Admitted with previous known history:
IPCE Unit receives notification via admission census

Place in Contact Precautions (CP) while
IPCE checks if pt had 2 Negative swabs from Outpatient Clinic

No

Yes: D/C CP

Collect 1 nares swab and 1 axilla or groin swab

Swabs #1

Negative result

Positive: keep on CP
Start again with Swabs #1

3 days after swabs #1

Swabs #2

Negative result

Discontinue Contact Precautions

CP: Contact Precautions
MDRO* diagnosed in-house:
No previous known history

**Place in Contact Precautions**

- Re-culture MDRO site(s) if available

If Negative (or not available), go ahead and collect Perirectal Swab #1*

- Perirectal swab #1
  - Negative result
    - Positive: keep on CP
      - Start again with Swab #1
    - 7 days after swab #1
    - Negative result
      - 7 days after swab #2
      - Perirectal swab #3
      - Negative result
        - Discontinue Contact Precautions

*For MRSA refer to MRSA slide.

CP: Contact Precautions
Algorithm 4
MDRO*: Admitted with previous known history:
IPCE Unit receives notification via admission census

*For MRSA refer to MRSA with previous known history

**Place in Contact Precautions (CP) while**
IPCE checks if pt had 3 Negative Perirectal swabs from Outpatient Clinic

- **No**
  - Perirectal swab #1
  - Negative result
    - 7 days after swab #1
    - Perirectal swab #2
    - Negative result
    - Consult with IPCE

- **Yes: D/C CP**
  - Positive: keep on CP
    - Start again with Swab #1
Algorithm 5
C-Diff diagnosed in-house; No prior history

Place in Contact Precautions AND
Evaluate for 2 components:
(1) completion of antibiotic treatment AND
(2) resolution of diarrhea

Yes to both components
D/C Contact Precautions

If diarrhea relapses
Restart Contact Precautions AND order C-Diff toxin

No to one or both components
Maintain Contact Precautions
Algorithm 6
C-Diff: Admitted with Prior History
IPCE Unit receives notification via admission census

Place in Contact Precautions

IPCE to evaluate status and removal
From Contact Precautions