



TITLE: Discontinuation of Contact Precautions for Antibiotic Resistant Organisms: Clinical Evidence and Guidelines

DATE: 24 January 2013

RESEARCH QUESTIONS

1. What is the clinical evidence on the criteria for discontinuation of contact precautions for adult patients with antibiotic resistant organisms in acute care and continuing care facilities?
2. What are the evidence-based guidelines on the criteria for discontinuation of contact precautions for adult patients with antibiotic resistant organisms in acute care and continuing care facilities?

KEY MESSAGE

One non-randomized study and four evidence-based guidelines were identified regarding the criteria for discontinuation of contact precautions for adult patients with antibiotic resistant organisms in acute care and continuing care facilities.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2012, Issue 12), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. No filters were applied to limit the retrieval by study type. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2008 and January 18, 2013. Internet links were provided, where available.

RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are

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presented first. These are followed by randomized controlled trials, non-randomized studies, and evidence-based guidelines.

One non-randomized study and four evidence-based guidelines were identified regarding the criteria for discontinuation of contact precautions for adult patients with antibiotic resistant organisms in acute care and continuing care facilities. No relevant health technology assessments, systematic reviews, meta-analyses, or randomized controlled trials were identified. Additional references of potential interest are provided in the appendix.

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-analyses

No literature identified.

Randomized Controlled Trials

No literature identified.

Non-Randomized Studies

1. Vikram HR, Dumigan DG, Kohan C, Havill NL, Tauman A, Boyce JM. Discontinuation of contact precautions for patients no longer colonized with methicillin-resistant *Staphylococcus aureus*. *Infect Control Hosp Epidemiol*. 2010 May;31(5):541-3.
[PubMed: PM20337527](#)

Guidelines and Recommendations

2. Ontario Agency for Health Protection and Promotion, Provincial Infectious Diseases Advisory Committee. Routine practices and additional precautions in all health care settings [Internet]. 3rd ed. Toronto: Queen's Printer for Ontario; 2012 Nov [cited 2013 Jan 24]. Available from:
http://www.oahpp.ca/resources/documents/pidac/RPAP_2012%20Revision_ENGLISH_2012-12-24_FINAL.pdf
See page 30: Duration and Discontinuation of Additional Precautions
3. Ontario Agency for Health Protection and Promotion, Provincial Infectious Diseases Advisory Committee. Annex A: screening, testing and surveillance for antibiotic-resistant organisms (AROs) in all health care settings [Internet]. 4th rev. Toronto: Queen's Printer for Ontario; 2012 Feb [cited 2013 Jan 24]. Available from:
<http://www.oahpp.ca/resources/documents/pidac/Annex%20A%20-%20PHO%20template%20-%20REVISION%20-%202012Apr25.pdf>
See: Duration of Contact Precautions, page 33 and Table 2: Discontinuation of Contact Precautions
4. Centers for Disease Control and Prevention. Precautions to prevent the spread of MRSA in healthcare settings [Internet]. Atlanta: The Centers; 2010 Aug [cited 2013 Jan 24]. Available from: <http://www.cdc.gov/mrsa/prevent/healthcare/precautions.html>
See: 7. Discontinuation of Contact Precautions

5. Provincial Infection Control Network of British Columbia. Antibiotic resistant organisms: prevention and control guidelines [Internet]. [Vancouver]: The Network; 2008 Nov [cited 2013 Jan 24]. Available from:
http://picnetbc.ca/download.php?filepath=%2Fpracticeguidelines%2F3%2Fattachment.pdf&filetitle=ARO_Guidelines_final_November_2008&extension=pdf
See: 4.8 Discontinuing Precautions, page 32

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APPENDIX – FURTHER INFORMATION:

Guidelines and Recommendations – methodology not specified

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See: 16. *Duration of Precautions*
7. Public Health Agency of Canada. Clostridium difficile infection: infection prevention and control guidance for management in long-term care facilities [Internet]. Ottawa: The Agency; 2013 Jan [cited 2013 Jan 24]. Available from: <http://www.phac-aspc.gc.ca/nois-sinp/guide/c-dif-ltc-sld/index-eng.php>
See: 15. *Duration of Precautions*
8. Centers for Disease Control and Prevention. Guidance for control of carbapenem-resistant Enterobacteriaceae (CRE): 2012 CRE toolkit [Internet]. Atlanta; The Centers; 2012 [cited 2013 Jan 24]. Available from: <http://www.cdc.gov/hai/pdfs/cre/CRE-guidance-508.pdf>
See: 2. *Contact Precautions, page 6*
9. Manitoba Health. Routine practices and additional precautions: preventing the transmission of infection in health care [Internet]. [Winnipeg]: Manitoba Health; 2012 Apr [cited 2013 Jan 24]. Available from: <http://www.gov.mb.ca/health/publichealth/cdc/docs/ipc/rpap.pdf>
See: 9. *Duration of Precautions, page 58*
10. Saskatoon Health Region. Methicillin resistant Staphylococcus aureus (MRSA) – long-term care facility (LTCF) [Internet]. Saskatoon: Saskatoon Health Region; 2012 May [cited 2013 Jan 24]. Available from: http://www.saskatoonhealthregion.ca/about_us/documents/IPC_policies/IPC_Policy_40-115_MRSA-Long_Term_Care_Facility.pdf
See: 12.c. *page 5*
11. Provincial Infection Control Network of British Columbia. Management of carbapenem resistant gram-negative bacilli (CRGNB) [Internet]. [Vancouver]: The Network; 2011 Feb [cited 2013 Jan 24]. Available from: http://www.picnetbc.ca/uploads/files/PICNet_Protocol_CRGNB_Feb2011.pdf
See: *Discontinuing Precautions, page 2*
12. Minnesota Department of Health. Recommendations for prevention and control of methicillin-resistant Staphylococcus aureus (MRSA) in acute care facilities [Internet]. St. Paul: The Department; 2011 Nov [cited 2013 Jan 24]. Available from: <http://www.health.state.mn.us/divs/idepc/diseases/mrsa/rec/rec.pdf>
See: *Discontinuing Contact Precautions, page 23*
13. Florida Department of Health. Guidelines for prevention and control of infections due to antibiotic-resistant organisms [Internet]. Tallahassee (FL): The Department; 2010 Mar [cited 2013 Jan 24]. Available from:

[http://www.doh.state.fl.us/disease_ctrl/epi/icg/GuidelinesAntibioticResistant3-5-10%20_2_.pdf](http://www.doh.state.fl.us/disease_ctrl/epi/icg/GuidelinesAntibioticResistant3-5-10%2020_2_.pdf)

See: *Termination of Contact Precautions, page 23*

14. Public Health Agency of Canada. Guidance: infection prevention and control measures for healthcare workers in all healthcare settings. Carbapenem-resistant gram-negative bacilli [Internet]. Ottawa: The Agency; 2010 [cited 2013 Jan 24]. Available from: <http://www.phac-aspc.gc.ca/nois-sinp/guide/ipcm-mpci/pdf/guide-eng.pdf>
See: *10. Discontinuing Contact Precautions*
15. Provincial Infectious Diseases Advisory Committee. Annex C: testing, surveillance and management of *Clostridium difficile* in all health care settings [Internet]. Toronto: Ontario Ministry of Health and Long-Term Care; 2010 May [cited 2013 Jan 24]. Available from: <http://www.oahpp.ca/resources/documents/pidac/RPAP%20Annex%20C%20Testing%20Surveillance%20Management%20of%20C%20diff.pdf>
See: *9. Discontinuation of Precautions for CDI, page 10*
16. Harborview Medical Center. Contact precautions, discontinuing [Internet]. Seattle: University of Washington; 2009 Feb [cited 2013 Jan 24]. Available from: <http://depts.washington.edu/idhmc/ic/contactprecautions.html>
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See: *Long Term Care, #4, page 9*
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See: *4.c. Criteria for discontinuation of contact precautions*
19. Betsy Lehman Center for Patient Safety and Medical Error Reduction, JSI Research and Training Institute, Inc. Prevention and control of healthcare-associated infections in Massachusetts. Part 1: final recommendations of the Expert Panel [Internet]. Boston (MA): Massachusetts Department of Public Health; 2008 Jan [cited 2013 Jan 24]. Available from: <http://www.mass.gov/eohhs/docs/dph/patient-safety/haipcp-final-report-pt1.pdf>
See: *Discontinue Contact Precautions, page 53*
20. Dubberke ER, Gerding DN, Classen D, Arias KM, Podgorny K, Anderson DJ, et al. Strategies to prevent *Clostridium difficile* infections in acute care hospitals. *Infect Control Hosp Epidemiol* [Internet]. 2008 Oct [cited 2013 Jan 24];29 Suppl 1:S81-92. Available from: <http://www.jstor.org/stable/10.1086/591065>
See: *A.1.c. Criteria for discontinuing contact precautions*
21. Association for Professionals in Infection Control and Epidemiology. Guide to the elimination of *Clostridium difficile* in healthcare settings [Internet]. Washington, DC: The Association; 2008 [cited 2013 Jan 24]. Available from:

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See: 5. *Discontinuing Contact Precautions*, page 25

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See: 4.4. *Termination of Precautions*, page 9

Additional References

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