

Objectives:

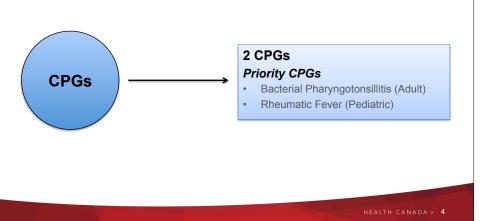
- Review structure and layout of updated CPGs
- · Review new content of updated CPGs
 - Bacterial Pharyngotonsillitis (Adult)
 - Rheumatic Fever (Pediatric)
- Questions and Discussion
- Upcoming CPGs
- Related resources and web links
 - 2017 Priority CPGs Update
 - 2016 Web Update: Bacterial Pharyngotonsillitis (pediatric)

Background & Context FNIHB Clinical Practice Guidelines (CPGs): Contents: up-to-date information covering over 370 health conditions 365 CPGs (Adult /Pediatric & Adolescent Care) Provide assessment (history/physical examination), diagnostic and management guidelines Evidence-informed and based on multidisciplinary review Identification Diagnosis Treatment Reference Education

Background & Context

CPG Updates:

 The CPGs are being updated to ensure that the most up-to-date information is available to nurses practicing in remote and isolated First Nations communities



Overview:

Structure & content of the updated CPGs

Changes to the general <u>structure</u> and <u>organization</u> of the CPGs:

Past — Current

2017 Update

- Addition of Appendix at the end of each CPG where supplemental information is included
- Physical findings section includes a reference to the Inspection, Palpation, Percussion and Auscultation (IPPA) approach
- · Addition of notice boxes

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Overview:

Structure & content of the updated CPGs

More substantive changes have been made to the content of the CPGs

Past — Current

2017 Update

 As applicable to the CPG, there may be updated assessment, diagnostic, and management information.

Structure and Organization of Updated CPGs

- 1. Overview
- 2. Risk Factors
- 3. History of Present Illness
- 4. Physical findings Addition of reference to IPPA Approach
- 5. Differential diagnosis
- 6. Complications
- 7. Diagnostic Tests
- 8. Management
- Goals of treatment
- Non-pharmacologic interventions
- Pharmacologic interventions
- 9. Monitoring and Follow-up
- 10. Appendix

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Structure and Organization of updated CPGs

Notice box additions:

REFERENCE TO PROVINCIAL/TERRITORIAL GUIDELINES

OVERVIEW

Please refer to provincial/territorial guidelines for Bacterial Pharyngotonsillitis where available.

Structure and Organization of updated CPGs

Notice box additions:

ASSESSMENT

ASSESSMENT

Medication review: Review current medications, including over-the-counter, complementary and alternative medicines, as well as any chemical or substance intake that may impact management.

Allergy history: Screen for medication, latex, environmental or other allergies and determine approximately when and what type of reaction occurred.

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Notice box additions:

DIFFERENTIAL DIAGNOSIS, MANAGEMENT & MONITORING AND FOLLOW UP

Structure and Organization of updated CPGs

DIFFERENTIAL DIAGNOSIS

Consult physician/nurse practitioner when practice is outside legislated scope and without authorized delegation.

Bacterial Pharyngotonsillitis (Adult) New / Revised Content

- Updated list of common pathogens
- New description of incubation and communicable period for Group A strep

(GAS) pharyngitis

INCUBATION PERIOD

The incubation period for GAS pharyngitis is 1 to 3 days after exposure. (6)

COMMUNICABILITY

- If untreated, a client with GAS pharyngitis is usually infectious during the acute phase of the illness (typically 7 to 10 days), and much less infectious 1 week after the acute phase.
- If antibiotics are used, the infectious period is reduced to 24 hours.⁽⁴⁾
- The bacterium can remain in the body in its carrier state without causing illness in the host for weeks or months and is transmissible in this state. (4) Treating carriers with penicillin has been shown to reduce the number of people infected during an outbreak of streptococcal sore throat. (4)
- Elimination of **sore throat score** as a diagnostic tool

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Bacterial Pharyngotonsillitis (Adult) New / Revised Content

 New recommendation for throat swab for culture & sensitivity in the context of a negative rapid antigen detection test to enhance the sensitivity of diagnosis

Laboratory

- Rapid Antigen Detection Test (RADT) (if available)
 - A Positive RADT is considered definitive for GAS. (2)
- Throat swab for C+S (if RADT is negative or unavailable) to enhance diagnostic sensitivity.

Bacterial Pharyngotonsillitis (Adult) New / Revised Content

New section on lab testing of close contacts in high-risk circumstances

Lab Testing of Close Contacts

- Routine testing of, or treatment of asymptomatic close contacts of patients with GAS pharyngitis is not warranted.(2)
- Lab testing of asymptomatic close contacts should occur under the following high-risk circumstances:(1)
 - · Client has had 3 or more episodes of GAS pharyngitis in the last year
- · Client has a family or household member with rheumatic fever or post-streptococcal glomerulonephritis
- · Client has been exposed to an outbreak of rheumatic fever
- · Members of the client's family have undergone repeat transmission.
- · In an outbreak of GAS pharyngitis in a closed or semi-closed setting (e.g., a classroom or school), consider consultation with public health physician to determine if wider testing is required beyond the family.

Note: Treat all close contacts who test positive for GAS pharyngitis if any of the above high-risk circumstances are present.

Bacterial Pharyngotonsillitis (Adult) New / Revised Content

Appendix

APPENDIX FOR BACTERIAL **PHARYNGOTONSILLITIS**

SECTION A: SUPPLEMENTAL CLINICAL MANAGEMENT INFORMATION

General Clinical Findings of non-GAS Bacterial Pharyngotonsillitis by Bacterial Etiology (see Table 3)

TABLE 3 Clinical features of non-GAS Bacterial Pharyngotonsillitis^(3, 11, 18) N. GONORRHEAE

- DIPHTHERIA
- N. GONORRHEAE

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- M. PNEUMONIAE

New table describing neisseria gonorrhea, diphtheria and mycoplasma pneumonia as causes of bacterial pharyngitis

Rheumatic Fever (Carditis) (Pediatric) New / Revised Content

Expanded description of major manifestations of rheumatic fever

Major Manifestations Carditis

- Carditis may be clinical or subclinical.⁽¹⁾
- New or changing heart murmurs. For more information on heart murmurs, see Heart Murmurs in Appendix, Section A of this guide.
- Rubs may be audible with inspiration and expiration if disease is associated with pericarditis.⁽¹⁾
- Muffled heart sounds (consistent with pericardial effusion).⁽⁸⁾
- Tachycardia at rest;⁽¹⁾ may be out of proportion to fever⁽⁸⁾

Arthritis

- Large joints are usually affected, especially the knees and ankles.⁽¹⁾
- Classified as swelling of the joint in the presence of 2 or more of the following:⁽¹⁾
 - · Limitation of movement
 - · Hot joint
 - · Pain in the joint and/or tenderness

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Rheumatic Fever (Carditis) (Pediatric) New / Revised Content

• Expanded description of major manifestations of rheumatic fever (cont.)

Sydenham's Chorea

- Jerky, uncoordinated movements of the extremities that disappear during sleep,⁽¹⁾ dysphonia and possible emotional lability⁽⁶⁾
- Female predominance⁽⁷⁾
- Can be a standalone criterion for the diagnosis of acute rheumatic fever without additional manifestations⁽¹⁾

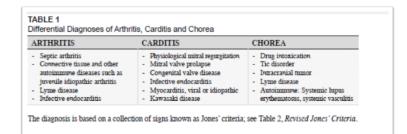
Subcutaneous Nodules

- Usually located over a bony prominence or near tendons⁽¹¹⁾
- 0.5 to 2 cm in diameter, round, firm, occasionally painful protuberances found on extensor surfaces at specific joints including

Erythema Marginatum

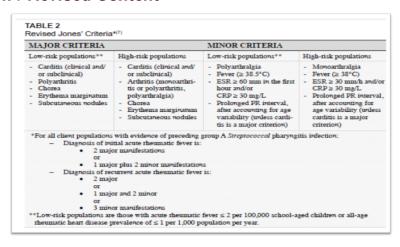
- Rare and difficult to detect (especially on dark-skinned people)⁽¹⁾
- An evanescent, pink rash with a pale center and rounded or serpiginous margins⁽⁷⁾
- The rash is usually present on the trunk and proximal extremities; it is almost never on the face⁽⁷⁾
- Blanches with pressure(7)
- Not affected by anti-inflammatory medication⁽¹⁾
- Rarely seen as the sole major criterion for acute rheumatic fever and should be accompanied by additional major criteria in order to make the diagnosis⁽¹⁾

Rheumatic Fever (Carditis) (Pediatric) New / Revised Content



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Rheumatic Fever (Carditis) (Pediatric) New / Revised Content



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Rheumatic Fever (Carditis) (Pediatric) New / Revised Content

- · Antibiotic treatment and prophylaxis
 - Reference to Pediatric Bacterial Pharyngotonsillitis CPG

Antibiotic Therapy

- Antibiotics should be initiated to eradicate residual GAS infection in all cases while the diagnosis of ARF is being established.(1)
- A full course of antibiotics should be given.⁽¹⁾
- Oral therapy such as penicillin, amoxicillin, cephalexin or clindamycin may be considered.

For specific dosing recommendations, see FNIHB Pediatric and Adolescent Care Clinical Practice Guidelines - Chapter 9 - Ears, Nose, Throat and Mouth - Bacterial Pharyngotonsillitis - Antibiot-

Rheumatic Fever (Carditis) (Pediatric) New / Revised Content

- Appendix
 - · More substantial description of murmurs heard with rheumatic fever

APPENDIX

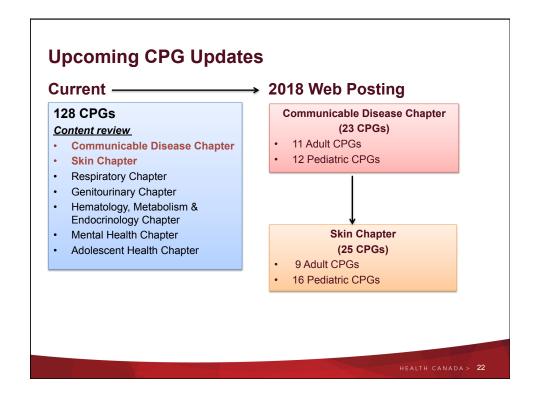
SECTION A: SUPPLEMENTAL CLINICAL MANAGEMENT INFORMATION

Heart Murmurs

- Those most commonly heard during acute rheumatic fever are:(8)
 - Apical pansystolic murmur is a high-pitched, blowing-quality murmur of mittal regurgitation that radiates to the left axilla. The murmur is unaffected by respiration or position.
 - Apical diastolic murmur (known as Carey-Coombs murmur) is heard with active carditis and accompanies severe mitral insufficiency.

 Basal diastolic murmur is an early dia-
 - stolic murmur of aortic regurgitation and is a high-pitched, blowing, decrescendo heard best along the right upper and mid-left sternal border after deep expiration while the client is leaning forward.





Resources 2017 Updates (Web URLs)

Bacterial Pharyngotonsillitis (Adult):

https://www.canada.ca/en/health-canada/services/first-nations-inuit-health/health-care-services/nursing/clinical-practice-guidelines-nurses-primary-care/adult-care/chapter-2-ears-nose-throat-mouth.html

Rheumatic Fever (Pediatric):

https://www.canada.ca/en/health-canada/services/first-nations-inuit-health/health-care-services/nursing/clinical-practice-guidelines-nurses-primary-care/pediatric-adolescent-care/chapter-11-cardiovascular-system.html

2016 Updates (Web URLs)

Bacterial Pharyngotonsillitis (Pediatric):

https://www.canada.ca/en/health-canada/services/first-nations-inuit-health/health-care-services/nursing/clinical-practice-guidelines-nurses-primary-care/pediatric-adolescent-care/chapter-9-ears-nose-throat-mouth.html

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Resources

Presentation on Group A Strep (GAS)Pharyngitis by infectious disease specialist, Dr. Yoko Schreiber:

https://www2.onehealth.ca/Portals/4/Ontario/Nursing/Education/RNE%20Present/GAS%20PharyngitisYSchreiberJan21%202016%20Final%20Eng.pdf