The authors and reviewers have made every attempt to ensure the information in this Family Medicine Clinical Card is correct - it is possible that errors may exist. Accordingly, the source references or other authorities should be consulted to aid in determining the assessment and management plan of patients. The Card is not meant to replace customized patient assessment nor clinical judgment. The Card is meant to highlight key considerations in particular clinical scenarios, largely informed by relevant guidelines in effect at the time of publication. The authors cannot assume any liability for patient outcomes when this card is used.

Canadian Fa	mily Medicine Cl	inical Card A10 2019
Burles K Vaughan SD Keegan DA		Sinusitis
APPROACH		
	tis (inflammation of the oper respiratory infection	mucous membranes of the nose), which ns
pain/pressure/full - fever, cough, f	ness, or both	mpanied by nasal obstruction, facial che, facial swelling, ear pressure, and ot consistently present
 Failure of syr Worsening of In pediatric pressure 	nptoms to improve after symptoms within 5-7 day	ys after initial improvement, OR C) for ≥3 consecutive days <u>and</u>
	edema, polyps), and (3) f	Ilent discharge, (2) signs of co-existent foreign bodies (esp. in children and
▲ RED FLAGS		Possible Diagnoses*
Black necrotic tissue or black discharge		mucormycosis (fungal infection)
Altered mental status, abnormal		meningitis, intracranial abscess,
neurological exam, meningeal signs		cavernous sinus thrombosis
Decreased visual acuity, orbital edema/erythema		orbital cellulitis
TREATMENT of Clini	cally Confirmed Sinusitis	
antipyretics, nasa - reduce modifia - maintain good - Antihistamines and corticosteroids an - NP cultures not re	I irrigation with saline so able risk factors (tobacc hand hygiene d systemic corticosteroid d brief use of decongesta commended; imaging on gests persistent bacteria - Usual etiologies are S. (S. aureus, GAS, anaer - Adults: Amoxicilin 0.1; - Penicillin allergy: 100mg PO BID x 5- - Pediatric: Amoxicillin div BID x 5d - Penicillin allergy:	o exposure, scents/allergens) s not recommended; intranasal ants may aid symptoms. ly for chronic sinusitis or acute complic. il etiology, initiate antibx (see below) pneumo, H. influenzae, M. catarrhalis obes occasionally) 5-1g PO TID x 5-7d Doxycycline 200mg PO once, then
Chronic circulti-		

Key References: 1) Rosenfeld RM. Piccirillo JF, Chandrasekhar SS, et al: Clinical practice guideline (update): adult sinusitis. Otolaryngol Head Neck Surg 2015: 152: pp. 51-539. 2) Desrosiers M, Evans G a, Keith PK, Wright ED, Kaplan A, Bouchard J, et al. Canadian clinical practice guidelines for acute and chronic rhinosinusitis. Allergy Asthma Clin Immunol. BioMed Central Ltd: 2011;7: 2, pmld:21310056.

Adults: Amoxicillin-clavulanate 875mg PO BID x 3wks
 Penicillin allergy: Clindamycin 300mg PO QID x 3wks
 Pediatric: Amoxicillin 45mg/kg/d PO div BID-TID +/-

Amoxicillin-clavulanate (7:1) 45mg/kg/d PO div BID-TID x 10d

- Penicillin allergy: regimens vary by severity and age

* Consider ENT referral to r/o allergy, structural abnormality,

- Anaerobes more common

or immunodeficiency

Chronic sinusitis

□ ≥4x yearly

>12wks

Recurrent

sinusitis