STANDARD TREATMENT WORKFLOW (STW)

Acute Rhinosinusitis

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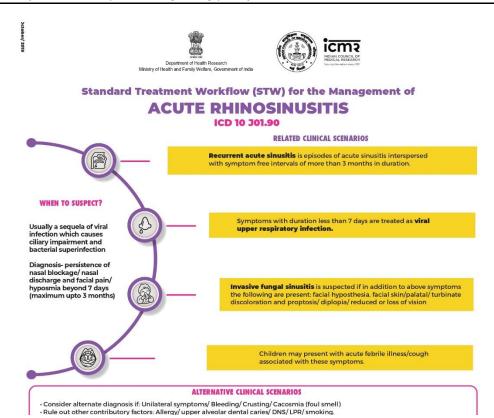
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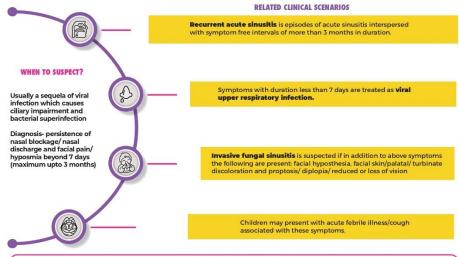




Standard Treatment Workflow (STW) for the Management of

ACUTE RHINOSINUSITIS

ICD 10 J01.90



ALTERNATIVE CLINICAL SCENARIOS

- Consider alternate diagnosis if: Unilateral symptoms/ Bleeding/ Crusting/ Cacosmia (foul smell)
 Rule out other contributory factors: Allergy/ upper alveolar dental caries/ DNS/LPR/ smoking.
 Phinorrhoea and nasal congestion in second trimester of pregnancy is considered hormonal in etiology and is to be managed with selling interesting dense. saline irrigation/drops

RED FLAGS FOR REFERRAL TO DISTRICT HOSPITAL

- Known diabetic/ immunocompromised
 Suspicion of complications viz. (A) Orbital involvement (Periorbital edema/ erythema, displaced globe, ophthalmoplegia, visual disturbance); (B) Meningitis/ altered sensorium; (C) Frontal fullness.
 Non-resolution with oral antibiotics for ten days
 Pointers of invasive fungal sinusitis (Facial hypoesthesia, facial skin/palatal/turbinate discoloration)

CLINICAL EXAMINATION

- Anterior rhinoscopy: Discharge, bleeding, crusting, polyposis Oral examination: Dental caries, post nasal drip, palatal discolouration Assess for contributory factors listed above

DESIRABLE

· Nasal endoscopy

LABORATORY INVESTIGATIONS

Desirable in non-resolving/worsening cases despite antibiotic

- Endoscopy- for guided nasal swabs/ KOH smear
 CT PNS (for suspected complications / non-resolving cases on antibiotics for 14 days)
 Screen for Diabetes / Immunodeficiency

MANAGEMENT

Duration of treatment 7-14 days

PHC / PRIMARY LEVEL

- Oral antibiotics: Amoxycillin/ Co-amoxyclav for 7-10 days. Levofloxacin and Azithromycin can be opted for patients intolerant/ sensitive to penicillins.
 Topical budesonide/ mometasone nasal spray once/twice a day for 2 weeks provides earlier symptomatic relief.
 Normal saline nasal washes help in clearing secretions and improved effect of topical medications.

- dications ical/ oral decongestant (Oxymetazline/ pseudoephedrine) for 3-5 days relieves symptoms quate hydration and steam inhation. ihistaminics (patients with co-existing allergy).

DISTRICT HOSPITAL

INDICATIONS OF PARENTERAL ANTIBIOTIC THERAPY

- · Orbital/intracranial
- complications
 Non-resolution of symptoms
 with atleast 7 days of oral antibiotics
- Worsening of symptoms while on oral antibiotics

TERTIARY LEVEL

Cases of acute invasive fungal sinusitis/ complicated acute bacterial sinusitis and patients with immunocompromised status may be referred for management.

★ KEEP A HIGH THRESHOLD FOR INVASIVE PROCEDURES

ABBREVIATIONS

CT: Computerized Tomogram PHC: Primary Health Center

DNS: Deviated Nasal Septum LPR: Laryngo Pharyngeal Reflux

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This STW has been prepared by national experts of India with feasibility considerations for various levels of healthcare system in the country. These broad guidelines are advisory, and are based on expert opinions and available scientific evidence. There may be variations in the management of an individual patient based on his/her specific condition, as decided by the treating physician. There will be no indemnity for direct or indirect consequences. Kindly visit our web portal (semicanogain) for more information.

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