Acute Otitis Media Algorithm

Emergency Department / Urgent Care / Primary care Age 2 months and older



Definitions

Severe - moderate to severe otalgia or fever ≥ 39

Non-severe - mild otalgia & temp < 39

Recurrent - ≥3 well documented separate episodes in the past 6 months (≥ 4 in 12 months including 1 in previous 6 months)

COME - chronic otitis media w/ effusion; effusion lasting ≥3 mos and no acute symptoms

Preferred treatment - Amoxicillin

90 mg/kg/day divided BID w/ max 4000 mg/day

- <2y or any age severe symptoms: 10 days 2-5y + non-severe symptoms: 7 days ≥ 6y + non-severe symptoms: 5 days

Other treatment considerations

PCN allergy (Non-anaphylaxis) - cefdinir (or cefpodoxime). Refer to Pediatric Antibiotic Allergy Testing Service (PATS)

With purulent conjunctivitis OR Amox in last 30 days high-dose (ES) Augmentin

Child cannot take po (rare) - Single dose ceftriaxone is adequate therapy for untreated AOM

COME is not typically treated with antibiotics (underlying problem is eustachian tube dysfunction)

Treatment failure

No clinical improvement in 48-72 hours, evaluate whether ongoing symptoms are from treatment failure or concomitant viral infection. Effusions can take weeks to resolve on exam.

Failed high dose amoxicillin - 10 days Augmentin (high dose)

Failed high dose Augmentin or oral Cephalosporin -Ceftriaxone IV/IM q24 hours X 3 doses

Can **consider** clindamycin +/- oral cephalosporin (last line)

Azithromycin, TMP/SMX, and PO cephalosporins alone are not adequate therapy for AOM that has failed other antibiotics

When to involve Otolaryngology

Consult ENT immediately for associated mastoiditis or facial nerve paralysis

ENT referral criteria

usually done by PCP not ED/UC ≥3 well documented separate episodes in the past 6 months (or ≥4 in 12 months including 1 in previous 6 months)

References (and photos)

The Diagnosis and Management of Acute Otitis Media. Pediatrics. 2013;131(3):e964-e999. doi:10.1542/peds.2012-3488

