


TREATMENT OF ANAPHYLAXIS: Withdraw product, maintain airway; administer EPINEPHrine, aminophylline, O₂, IV corticosteroids

amoxicillin/clavulanate (Rx)

(a-mox-i-sill'in)

Augmentin, Augmentin ES, Augmentin XR, Clavulin 

Func. class.: Broad-spectrum anti-infective

Chem. class.: Aminopenicillin β -lactamase inhibitor

ACTION: Bacteriocidal, interferes with cell wall replication of susceptible organisms; lysis mediated by bacterial cell wall autolytic enzymes, combination increases spectrum of activity against β -lactamase-resistant organisms

USES: Lower respiratory tract infections, sinus infections, pneumonia, otitis media, impetigo, skin infection, UTI; effective for *Actinomyces* sp., *Bacillus anthracis*, *Bacteroides* sp., *Bordetella pertussis*, *Borrelia burgdorferi*; *Brucella* sp., *Burkholderia pseudomallei*, *Clostridium perfringens/tetani*, *Corynebacterium diphtheriae*, *Eikenella corrodens*, *Enterobacter* sp., *Enterococcus faecalis*, *Erysipelothrix rhusiopathiae*, *Escherichia coli*, *Eubacterium* sp., *Fusobacterium* sp., *Haemophilus ducreyi/parainfluenzae* (positive/negative β -lactamase), *Helicobacter pylori*, *Klebsiella* sp., *Lactobacillus* sp., *Listeria monocytogenes*, *Moraxella catarrhalis*, *Neisseria gonorrhoeae/meningitidis*, *Nocardia brasiliensis*, *Peptococcus* sp., *Peptostreptococcus* sp., *Prevotella melaninogenica*, *Propionibacterium* sp., *Sbigella* sp., *Staphylococcus aureus* (MSSA)/epidermidis/saprophyticus, *Streptococcus agalactiae* (group B streptococci)/dysgalactiae/pneumoniae/pyogenes (group A streptococci), *Treponema pallidum*, *Vibrio cholerae*, *Viridans streptococci*

Unlabeled uses: Actinomycotic mycetoma, chancroid, dental infections, dental alveolar infection, melioidosis, pericoronitis, SARS

CONTRAINDICATIONS: Hypersensitivity to penicillins, severe renal disease, dialysis

Precautions: Pregnancy, breastfeeding, neonates, children, hypersensitivity to cephalosporins; renal/GI disease, asthma, colitis, diabetes, eczema, leukemia, mononucleosis, viral infections, phenylketonuria

DOSAGE AND ROUTES

Most infections

- **Adult/child >40 kg:** 250 mg q8hr or 500 mg q12hr

Recurrent/persistent otitis media (*Streptococcus pneumoniae*, *Haemophilus*, *Moraxella catarrhalis*)

- **Child ≥ 3 mo:** PO 90 mg/kg/day (600 mg amoxicillin/42.9 mg clavulanate/5 mL) q12hr \times 10 days

Lower respiratory infections, otitis media, sinusitis, skin/skin structure infections, UTIs

- **Adult:** PO 250-500 mg q8hr or 500-875 mg q12hr, depending on severity of infection

- **Child ≤ 40 kg:** PO 20-90 mg/kg/day in divided doses q8-12hr

Community-acquired pneumonia or acute bacterial sinusitis

- **Adult:** PO 2000 mg/125 mg (Augmentin XR) q12hr \times 7-10 days (pneumonia), 10 days (sinusitis)

Renal disease

- **Adult:** PO CCr 10-30 mL/min dose q12hr; CCr <10 mL/min dose q24hr; do not use 875-mg strength or ext rel if CCr <30 mL/min; Augmentin XR is contraindicated with renal disease

Available forms: Tabs 250, 500, 875 mg amoxicillin/125 mg clavulanate; chew tabs 200 mg amoxicillin/28.5 mg clavulanate, 400 mg amoxicillin/57 mg clavulanate; powder for oral susp 250 mg amoxicillin/28.5 mg clavulanate, 200 mg amoxicillin/28.5 mg clavulanate, 400 mg amoxicillin/57 mg clavulanate