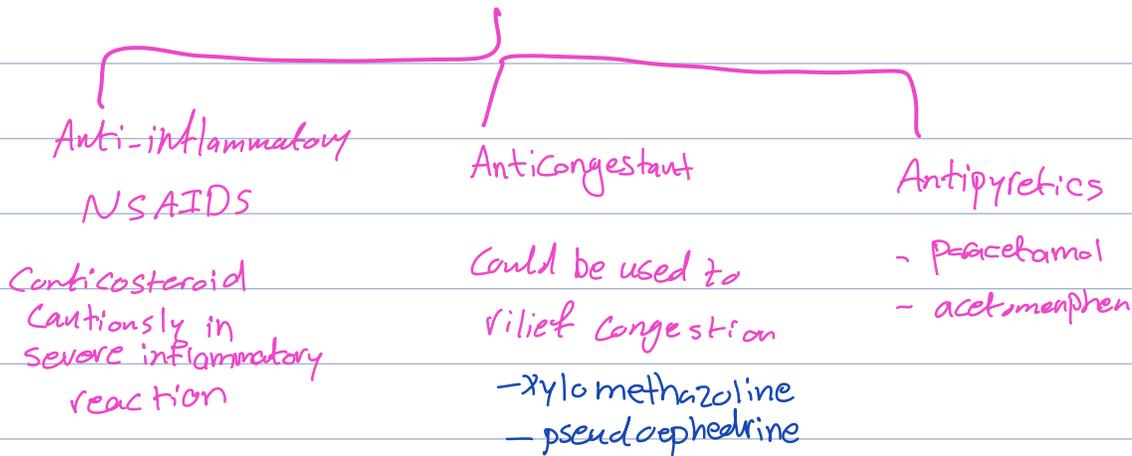


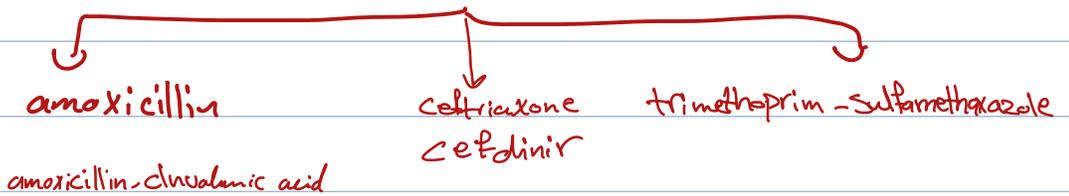
Supportive treatment :-



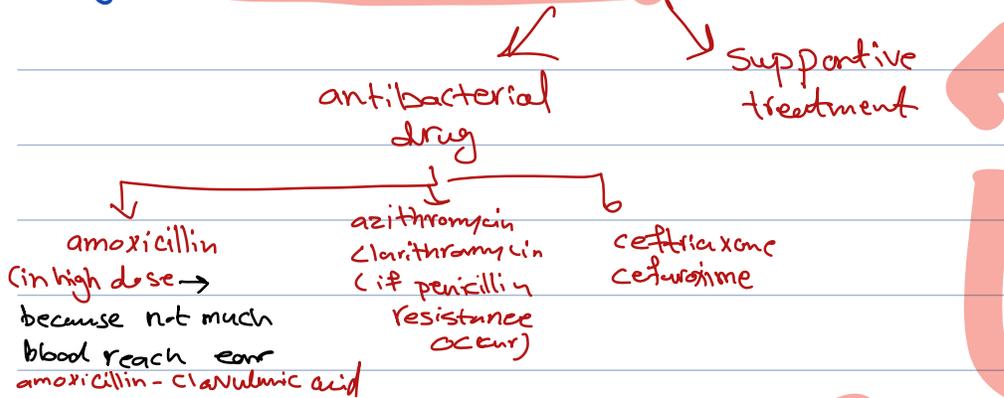
Specific treatment
 *Antibacterial drug:-
 selected according to:-

1. age
2. organism
3. Site of inf.
4. Complications
5. hist. of allergy to drug.

treatment of:- Acute bacterial sinusitis



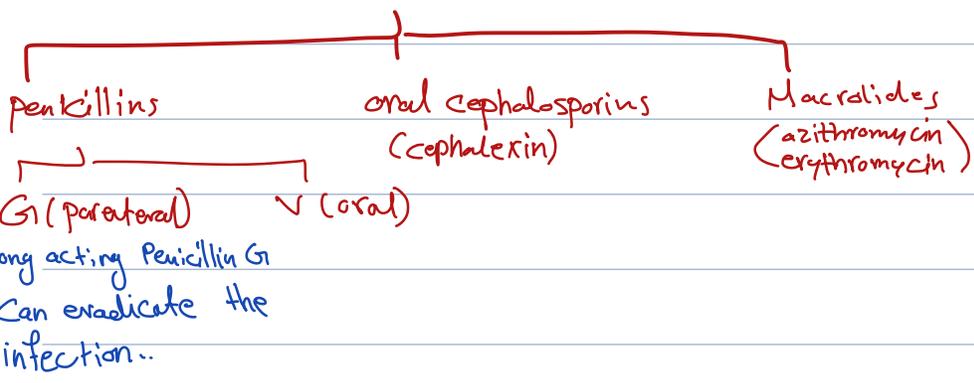
Acute otitis media



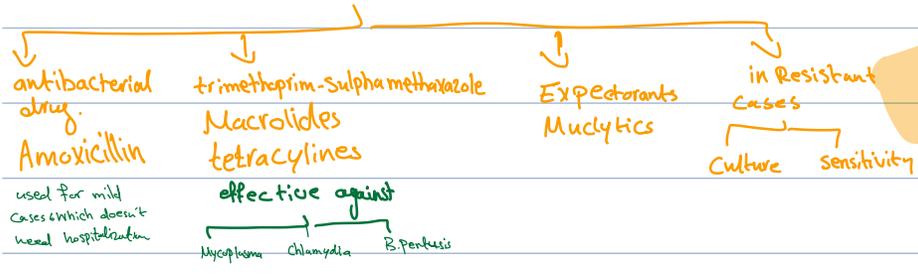
URI
 Upper Respiratory tract infection

Pharyngitis & tonsillitis

Eradication of B hemolytic streptococci is necessary
 → anti bacterial drugs to avoid rheumatic fever



acute bronchitis



LRTI

pneumonia

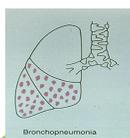
pathology:-

Types of pneumonia

Lobar Pneumonia: Lobar pneumonia affects one or more lobes of a lung. It often presents with distinct consolidation of lung tissue in a specific areas, resulting in symptoms like high fever, chest pain, and cough which may be productive.



Bronchopneumonia (lobular): is characterized by the inflammation and infection of lung tissues including small airways and bronchioles. It often appears as patchy infiltrates on a chest X-ray and may result from various causative agents.

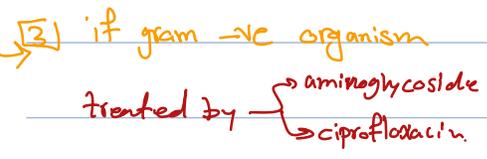
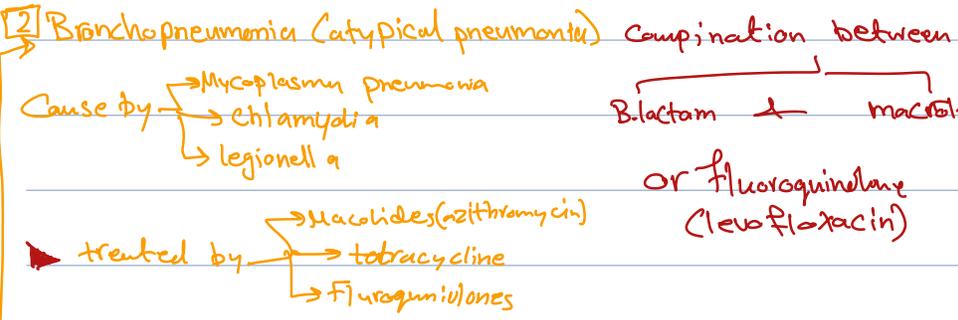
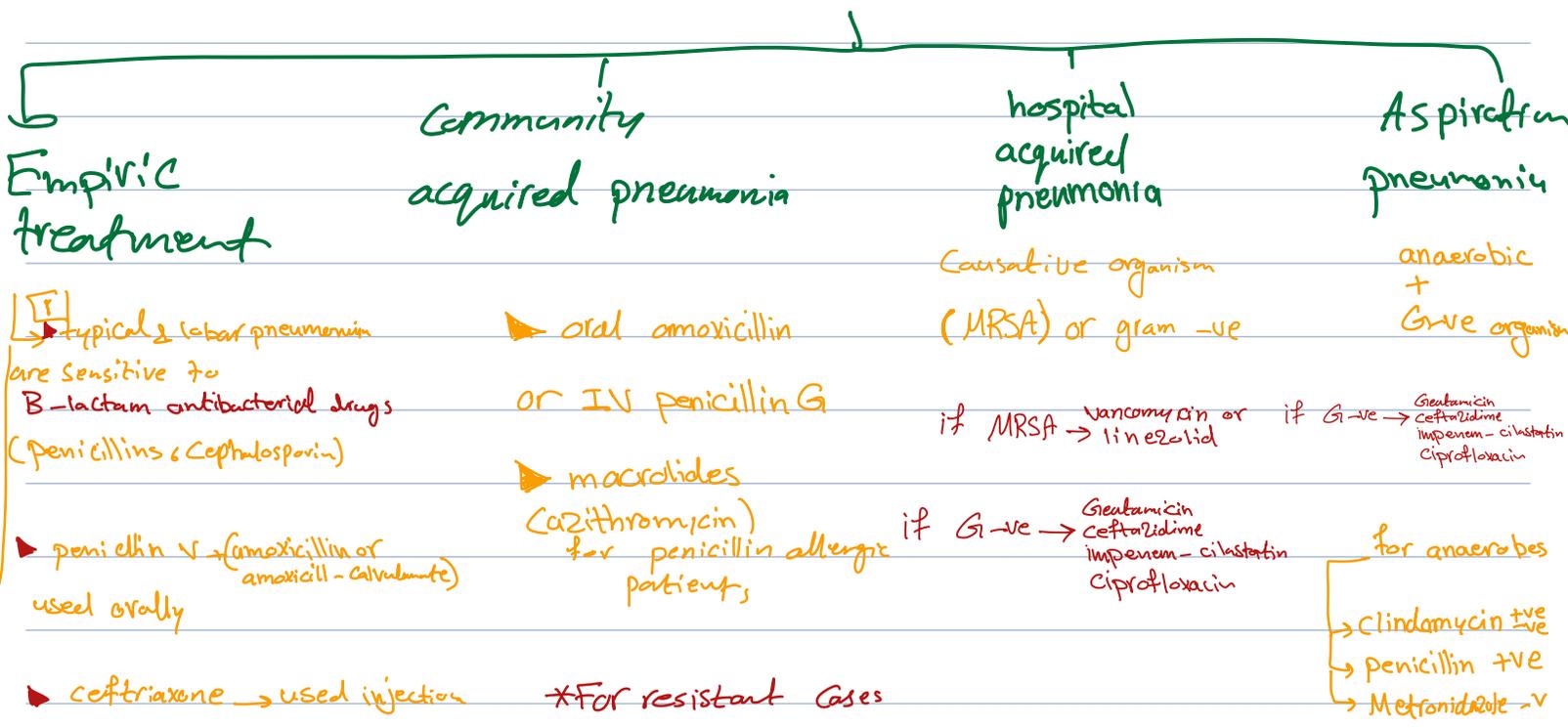


Community-Acquired Pneumonia (CAP): CAP is contracted in non-healthcare settings, such as the community, at home, or in public places. *Streptococcus pneumoniae* is a common cause of CAP, but the specific causative agent may vary depending on factors like age and underlying health conditions.

Hospital-Acquired Pneumonia (HAP): HAP is acquired during a hospital stay (> 48 h). Patients in intensive care units (ICUs) or those on mechanical ventilation (ventilator related pneumonia) are at higher risk. HAP is often caused by drug-resistant bacteria.

Typical pneumonia usually appears as lobar pneumonia on x-ray, while atypical pneumonia tends to appear as interstitial pneumonia (bronchopneumonia). However, the underlying pathogen cannot be conclusively identified based on imaging results alone.

treatment of pneumonia



- ▶ Fluoroquinolones should be avoided for patients younger than 18 years and during pregnancy.
- ▶ Testing for hypersensitivity to beta lactams necessary (to avoid anaphylaxis) especially before injecting penicillin G and third generation cephalosporins
- ▶ Both aminoglycosides and cephalosporins have a potential nephrotoxicity. Dose adjustment is needed in renal impairment.
- ▶ Macrolides (erythromycin) inhibits CYP450 and cause drug interactions.
- ▶ Clavulanic acid is hepatotoxic.
- ▶ The risk of arrhythmia with some quinolones could be hazardous to cardiac patients

treatment of viral respiratory tract inf.

- Antipyretics & Anti-inflammatory
- inhaled ribavirine → in case of severe RS syncytial
- Virus related Bronchiolitis in hospitalized children
- Zanamivir & oseltamivir → used in severe influenza viral inf.