

Title of the Practice: Awareness on Amoxicillin
Objectives: It is an appropriate opportunity to teach the students about the drugs they are taking in the campus to feel healthy when they are sick.

Introduction

Generic name: Amoxicillin

Brand names: Amoxil, Trimox, Moxatag

Dosage forms: tablets, oral suspension, chewable tablet

Uses: Amoxicillin is a penicillin antibiotic that fights bacteria. It is used to treat many different types of infections caused by bacteria, such as tonsillitis, bronchitis, pneumonia, and infections of the ear, nose, throat, skin or urinary tract.

Amoxicillin is also used together with another antibiotic called clarithromycin (Biaxin) to treat stomach ulcers caused by Helicobacter pylori infection. This combination is sometimes used with a stomach acid reducer called lansoprazole.

Side effects: drowsiness, difficult breathing, swelling in your face or throat, fever, sore throat, burning eyes, skin pain, red or purple skin rash with blistering and peeling.

Chemical theory of Amoxicillin

Molecular Formula $C_{16}H_{19}N_3O_5S$

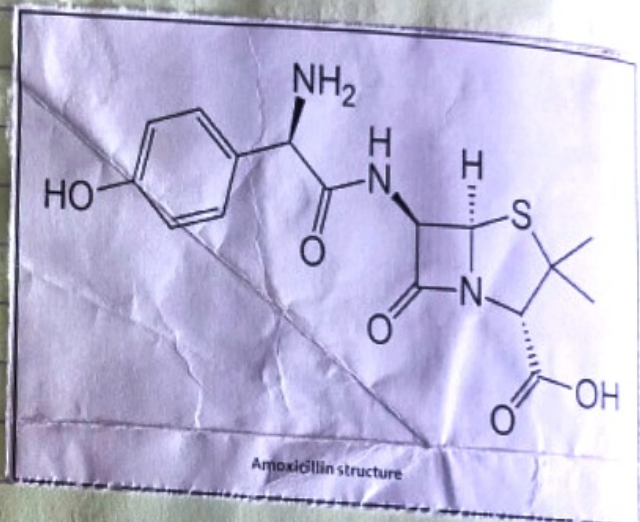
IUPAC Name: (2S,5R,6R)-6-[[[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptano-2-carboxylic acid.

Amoxicillin was discovered in 1958 and came into medical use in 1972. It is one of the most commonly prescribed antibiotics in children. It is available as a generic medication.

It is used in the treatment of a number of infections, including acute otitis media, streptococcal pharyngitis, pneumonia, skin infections, urinary tract infections, Salmonella infections, Lyme disease and Chlamydia infections.

Problems encountered

Students are feeling difficult to read and remember the IUPAC names of the drugs.



Evidence of success

Students of the science groups are able to learn and explain the characteristics of the drug.

Title of the practice: Awareness on Azithromycin
Objectives: It is an opportunity to take the medicine and its uses into all the groups of students.

Generic name: Azithromycin

Brand names: Azasite, Zithromax, Zmax, Z-Pak, TRI-PAK, 3 Day Dose Pack, 5 Day Dose Pack.

Introduction: Azithromycin is an antibiotic that fights bacteria. It is used to treat many different types of infections caused by bacteria, such as respiratory infections, skin infections, ear infections, eye infections and sexually transmitted diseases.

It may also be used for adults & children.

Precautions: The people with jaundice or liver problems, liver diseases, kidney disease, myasthenia gravis, heart rhythm disorder, low levels of potassium in your blood, long QT syndrome should take the tablet after consulting a doctor.

Dosage: oral suspension,

side effects: hives, difficult breathing, swelling in your face or throat, fever, sore throat, burning eyes, skin pain, rash, swollen glands, muscle aches, severe weakness, unusual bruising, yellowing of skin or eyes, stomach pain, diarrhea, fast heartbeats, fluttering in your chest, shortness of breath, dizziness, liver problems.

