

Department of Microbiology

18 /11/23 to 24 /11/2023 – WAAW - WORLD ANTIMICOBIAL AWARNNESS WEEK 23

Day -1& 2 Inauguration by Principal Dr.K.Ramchandra Rao K along with final year students from department f Microbiology. Conducted National level online quiz on WAAW.





Government College Rajahmundry

An Autonomous Institution since 2000
Affiliated to Adikavi Nannaya University

NAAC A+
3.38/4.00
(RAF-2017)

DEPARTMENT OF MICROBIOLOGY

18-24 NOVEMBER

World Antimicrobial Awareness Week

ACTIVITIES

18-11-2023

Inauguration by Principal
and Online National level Quiz

20-11-2023

Poster presentation

21-11-2023

AWARNESS for MLT students

22-11-2023

Reels and short videos

23-11-2023

Guest lecture by general physician

24-11-2023


Rangoli


Day -3 Poster presentation – WAAW

Problems of Antibiotics

MISUSE OF ANTIBIOTICS

Many people believe that antibiotics are effective against bacterial and viral illnesses, lumping all types of pathogens together and adopting a "germs are germs" attitude. Taking antibiotics for viral infections such as colds and flu, and using them as animal growth promoters on farms or in aquaculture.





DISCONTINUE OF ANTIBIOTIC


You could start feeling sick again if you stop your antibiotic early. If you do not finish the course or miss several doses, the infection may return.

OVERUSE OF ANTIBIOTIC


Antibiotic overuse is when antibiotics are used when they're not needed. Increased antimicrobial resistance is the cause of severe infections, complication, longer hospital stays and increased mortality. Antibiotics play a crucial role in healthcare but overuse can cause bacteria to become resistant to them which can lead to the rise of superbugs such as MRSA.

Antibiotics

NOVEMBER



WORLD ANTIBIOTICS AWARENESS WEEK



Antibiotic - An antibiotic is a type of antimicrobial substance active against bacteria. It is the most important type of antimicrobial agent for fighting bacterial infections, used in different treatments and prevention of bacteria. They may kill or inhibit the growth of bacteria.

Antibiotic - Penicillin, Streptomycin, Chloramphenicol, Tetracycline, Vancomycin, Rifampin.

Maximum number of antibiotic class from microorganisms is still in bacteria.

ANTI Biotic Against fighting life.

Made of intake:

Quality - Penicillin, Streptomycin, Chloramphenicol

Quantity - 1000mg, 500mg, 250mg

Dosage - 1000mg, 500mg, 250mg

Dosage - 1000mg, 500mg, 250mg

Dosage - 1000mg, 500mg, 250mg

Alexander Fleming (1881-1955)
Scottish Microbiologist

HISTORY OF ANTIBIOTICS

- In the early ages there is no treatment for infections & diseases.
- Antibiotic resistance (superbugs) can be found in bacteria, fungi, viruses, and parasites.
- From people used water, sewage, and pesticides during the world war.
- In the 1940s, antibiotics were discovered with penicillin.
- Antibiotics were first identified by Alexander Fleming in 1928.
- Robert Koch discovered bacteria that cause infectious diseases, such as tuberculosis.

Structure of Penicillin

- In 1944, Dr. Seligman discovered that a substance called penicillin could be used to treat bacterial infections.
- It was used to fight pneumonia, meningitis, and other bacterial infections.
- After World War II, the production of antibiotics had become much more than that of penicillin.
- There are thousands of different types of antibiotics used in medicine today.
- It is the introduction of antibiotics into the world with the discovery of penicillin.
- It was the first antibiotic to be used in the treatment of bacterial infections.

Alexander Fleming

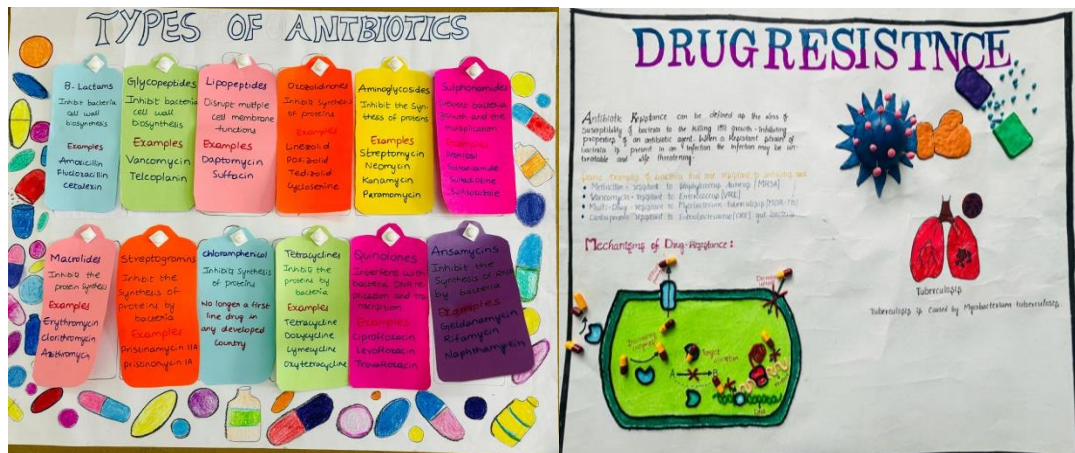
- He discovered the first antibiotic and named it as penicillin in the year 1928.
- He discovered that mold on the contaminated petri dishes had killed the bacteria.
- The bacteria near the mold were dying and he named it penicillin.
- It is called as mold killing antibiotic and was called as penicillin.
- In the year 1945, the first antibiotic penicillin was discovered.

The first mass-produced antibiotic was penicillin. It was discovered by Alexander Fleming in 1928. It was the first antibiotic to be used in the treatment of bacterial infections.

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Day - 4 - 21/11/23 Awareness program for MLT students – WAAW

An awareness program on Antimicrobials was conducted for MLT students from Government Junior College Rajahmundry and Ester Axene vocational Junior College Konthamuru. 120 students attended the awareness program along with faculties from both the colleges.



Student and staff from Government Junior College Rajmundry & Esther Axene Vocation Junior college





Day - 5 - 22/11/23 Reels & Short Videos – WAAW

A competition was held on reels and short videos for the students to make reels and short videos on anti-microbial awareness week

Day -6 - 23/11/23 Guest Lecture – WAAW

A guest lecture was delivered by Dr P. Susheela from Government medical College Rajamahendry on anti-microbial awareness.





Day - 7 - 24/11/23 Rangoli – WAAW

Rangoli competition was held to create awareness about antimicrobial awareness



