

PHAR5712
Antibiotics Resistance Workshop

Learning Outcomes:

- **Describe the mechanism of action of a specific antibacterial agent**
- **Use your understanding of this mechanism of action to describe how resistance to this agent might occur**

Introduction

You will be assigned a drug from one of the newer classes of antibacterial agent. You will be asked to research the mechanism of action of this class of antibacterial and you should then use your knowledge of the mechanism of action of, and bacterial resistance to, antibacterial agents to suggest specific mechanisms (if none have been reported) which bacteria might use to inactivate this drug. ***A template is available on Canvas.*** The best reports will use some images (make sure you reference the source) / text boxes / bullet points to break up the text.

The ***workshop session*** will consist of:

- Introduction to workshop's objectives by the tutor
- Research your assigned drug, covering the following sections to produce a report on the drug you were assigned (max. 1 page)

MECHANISM OF ACTION (max. ½ page)

(SUGGESTED) BACTERIAL RESISTANCE MECHANISMS (max. ½ page)

REFERENCES (min. 5, max. 10)

Submission:

- Submit report electronically *via* Turnitin as a PDF file in the format YourName_Drugname.pdf
(e.g. Groundwater_Iclaprim.pdf)
- The report should be submitted by 23:59 on the day of your workshop in week 9.

Referencing:

When quoting or citing published work it is necessary to cite these references at the appropriate places in the text and in the reference list at the end of the presentation. **The method of citation and the reference list should be complete and be in the Harvard style.**

Assessment

GRADE	CONTENT EVALUATION (60%)	STRUCTURE and QUALITY OF WRITING (30%)	REFERENCES (10%)
HD (85-100%)	<ul style="list-style-type: none"> • Factual information of a very high standard with a sophisticated grasp of the principles • Demonstrates clear understanding of relevant theories and methods described in studies 	<ul style="list-style-type: none"> • Information is clearly planned, presented logically and well integrated • Style of expression is of a very high standard • Grammar, punctuation and spelling are also of a very high standard 	<ul style="list-style-type: none"> • High quality, citation style is correct
D (75-84%)	<ul style="list-style-type: none"> • Factual information is of a high standard, with excellent grasp of the principles • Demonstrates good understanding of relevant theories and methods described in studies 	<ul style="list-style-type: none"> • Information is clearly planned, presented logically and well integrated • Style of expression is clear • Grammar, punctuation and spelling are good 	<ul style="list-style-type: none"> • Good quality, citation style is adequate
CR (65-74%)	<ul style="list-style-type: none"> • Factual information is sound • Demonstrates adequate understanding of relevant theories and methods described in studies 	<ul style="list-style-type: none"> • Presentation could be clearer • Style of expression is satisfactory • Grammar, punctuation or spelling may contain errors 	<ul style="list-style-type: none"> • Suitable quality, citation style may contain errors
PASS (50-64%)	<ul style="list-style-type: none"> • Factual information is basic and has gaps • May contain contradictions • Material may be correct but not relevant 	<ul style="list-style-type: none"> • Fragmented, unclear presentation • Style of expression quite poor • Grammar, punctuation or spelling may contain a significant number of errors 	<ul style="list-style-type: none"> • Poor quality, citation style contains a significant number of errors
FAIL (< 50%)	<ul style="list-style-type: none"> • A significant amount of factual information is incorrect • Misses the point • Evidence of plagiarism 	<ul style="list-style-type: none"> • Style of expression is almost unintelligible • Grammar, punctuation or spelling contains many errors 	<ul style="list-style-type: none"> • Poor quality and/or unsuitable