Medicine Interaction Review - Two Cases

Experiment 2 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To identify and document two clinically relevant fictional medicine interactions.

Principle

An interaction review considers mechanism, severity, patient risk, evidence and the authorised management plan.

Two Fictional Cases

Pair	Risk and review action
Warfarin with Ibuprofen	A fictional person taking warfarin asks to add ibuprofen. Combined anticoagulant and NSAID effects can increase bleeding risk. Do not add the requested medicine without qualified review; assess bleeding symptoms and seek urgent care when indicated.
Simvastatin with Clarithromycin	A fictional simvastatin user presents a new clarithromycin prescription. Clarithromycin can increase simvastatin exposure and muscle-toxicity risk. Flag the interaction to the prescriber/pharmacist for an authorised alternative or temporary-management plan; do not independently alter therapy.

Key Points

- Check the full medicine list, including nonprescription and herbal products.
- Separate pharmacodynamic overlap from altered drug exposure.
- Document who was contacted and the confirmed action.

Activity Procedure

1. Collect

Record the medicines, indication, duration and relevant patient factors.

2. Assess

Identify the interaction and potential harm in each case.

3. Clarify

Prepare an evidence-based question for the supervising pharmacist or prescriber.

4. Record

Document the authorised outcome and monitoring advice.

Record and Observations

Case	Mechanism / risk	Action / outcome
1	_____	_____
2	_____	_____

Result

Complete the record using your activity, then state the findings, the action required and the reason for that action.

Viva Questions and Answers

1. What is a pharmacodynamic interaction?

A change in effects through overlapping or opposing actions.

2. What is a pharmacokinetic interaction?

A change in absorption, distribution, metabolism or elimination.

3. Should a student stop medicines independently?

No; seek the authorised management decision.

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