

PUZZLE

SUBJECT: 1421-INTRODUCTION TO SURGERY AND CSSD

UNIT - I - INCISION AND ITS TYPES

Case-Based Puzzle: Incision Selection for Optimal Outcomes

Objective

Enable students to apply anatomical and surgical knowledge to select and justify the most appropriate incision for a given clinical scenario.

Instructions for Students

- Form groups of 3–4 members.
- Read the case scenario below carefully.
- Discuss and decide on the most suitable incision type for the procedure.
- Justify your choice based on anatomical access, healing, complications, and cosmetic outcomes.
- Identify two alternative incisions and explain why they are less ideal for this case.
- Prepare a brief group presentation (5–7 minutes) with diagrams to support your reasoning.
- Use chart paper or whiteboard for visual aids.

Case Scenario

A 42-year-old male presents with persistent right upper abdominal pain, radiating to the back, and nausea after fatty meals. Murphy's sign is positive. The surgical team plans for cholecystectomy (gallbladder removal). As the assistant surgeon, you must recommend the most appropriate incision, considering visibility, postoperative comfort, and cosmetic results.

Questions:

1. Which incision is most appropriate for this procedure?
2. What are two alternative incisions, and why are they less suitable?
3. How would your choice change if the surgery was for an exploratory laparotomy due to trauma?

Rubrics for 10 Marks

Criteria	Description	Marks
Case Analysis	Correct identification of anatomy and surgical region	2
Incision Selection	Appropriate choice of incision with logical justification	3

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Criteria	Description	Marks
Reasoning & Alternatives	Explanation of why alternatives are less suitable	2
Team Presentation	Clarity, collaboration, and use of diagrams/visual aids	2
Application Extension	Thoughtful answer to the exploratory laparotomy scenario	1
Total		10