



Rotation Surgery 3b Surgical emergencies (SUR-529) STUDY GUIDE



Sohag University

Prepared by

Department of:

-General Surgery

2024-2025

Contact Information of Staff Responsible for the Block

Surgery 3b(SUR-529) Study Guide	
Coordinator	
Prof./Samir Ahmed Abdelmageed Professor of General Surgery	prof./Asem elthani Mohammed Ali professor of General Surgery
Dr./ Abdelrahman Mohammad Galal Lecturer of General Surgery Email: abdrhmangalal@yahoo.com	
Head of the sharing Department	
Prof./Samir Ahmed Abdelmageed	
Department Coordinators	
General Surgery, Faculty of medicine, Sohag University	
Prof./Samir Ahmed Abdelmageed Professor of General Surgery	
Dr./Asem El Thani Mohammed Ali professor of General Surgery	
Dr./ Abdelrahman Mohammed Galal Lecturer of General Surgery	

Staff Participated from each Departments

**All Staff Members of General Surgery Department, Vascular
Department, Cardiothoracic Department, and Neurosurgery
Department**

Contents

Topic	Page
Block specification	
Basic information about the block	5
Block map	6
NARS competencies covered by the block	6-8
Professional information about the block	9
Block aims	9
Matrix of Learning Outcomes with NARS competencies covered by the block	10-31
A- Knowledge and understanding (cognition)	
C- Skills (practical/clinical)	
D- General and transferable skills	
Structure of the block	32
Learning methods	32
Methods of Student Assessments	33
Block evaluation	33
Block contents	34
Lecture topics and their learning outcomes	34
Practical topics and their learning outcomes	37
Self directed learning and group discussion topics and their intended learning outcomes	38
Portfolio	40
Blueprint	44
Lectures , for self directed learning and group discussions and practical/clinical sessions Outlines	
Lecture Outlines	48
Outlines of topics for self directed learning and group discussions	54
Outlines of practical/clinical sessions	57
Block timetable	58
Subgroups rotation	

Basic Information about the Block

● **Program on which the course is given:**

Bachelor of Medicine and Surgery (M.B. B.Ch.).

● **Elements (major or minor) of the program:**

Undergraduate

● **Departments offering the course:**

General Surgery

Academic. year/level:

5th year.

Prerequistes

Achieving 75% of points of blocks in the first 5 semesters

Date of specification approval:

2022 -2023/ 2024-2025

⊖ **Title: Surgery 3b: Surgical emergencies**

⊖ **Code: (SUR-529)**

⊖ **Credit points: 4**

⊖ **Lectures: 14 hours**

⊖ **Practicals :24 hours**

⊖ **case based discussions : 22 hours**

⊖ **Student learning activities: 60 hours**

Portfolio Tasks (10%, 8 marks)(45 hours): Attendance (4 marks), -

Formative assessment (2 marks) 15 hours= 0.5 point , - Case presentations (2 marks)

⊖ **Total: 120 hours.**

Surgery 3b (SUR-529) Study Guide

Block Map

Total marks	Days/weeks	Points	Code	Responsible department	Block الوحدة التعليمية	Year
80	2 weeks	4	(SUR-529)	General Surgery	3b Surgical emergencies (SUR-529)	5th year

NARS competencies the block is expected to share in their student achievement

NARS areas	NARS key competencies
1- The graduate as a health care provider.	1.1. Take and record a structured, patient centered history.
	1.2. Adopt an empathic and holistic approach to the patients and their problems.
	1.3. Assess the mental state of the patient.
	1.4. Perform appropriately timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.
	1.5. Prioritize issues to be addressed in a patient encounter.
	1.6. Select the appropriate investigations and interpret their results taking into consideration cost/ effectiveness factors.
	1.7. Recognize and respond to the complexity, uncertainty, and ambiguity inherent in medical practice.
	1.8. Apply knowledge of the clinical and biomedical sciences relevant to the clinical problem at hand.
	1.10. Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic formulation.
	1.11. Perform diagnostic and intervention procedures ² in a skillful and safe manner, adapting to unanticipated findings or changing clinical circumstances.
	1.12. Adopt strategies and apply measures that promote patient safety.
	1.13. Establish patient-centered management plans in partnership with the patient, his/her family and other health professionals as appropriate, using Evidence Based Medicine in management decisions.
	1.14. Respect patients' rights and involve them and /or their

Surgery 3b (SUR-529) Study Guide

	families/careers in management decisions.
	1.15. Provide the appropriate care in cases of emergency, including cardio-pulmonary resuscitation, immediate life support measures and basic first aid procedures.
2- The graduate as a health promoter.	2.3 Discuss the role of nutrition and physical activity in health.
	2.5 Describe the principles of disease prevention, and empower communities, specific groups or individuals by raising their awareness and building their capacity.
	2.6 Recognize the epidemiology of common diseases within his/her community, and apply the systematic approaches useful in reducing the incidence and prevalence of those diseases.
	2.9 Adopt suitable measures for infection control.
3- The graduate as a professional.	3.1. Exhibit appropriate professional behaviors and relationships in all aspects of practice, demonstrating honesty, integrity, commitment, compassion, and respect.
	3.3. Respect the different cultural beliefs and values in the community they serve.
	3.4. Treat all patients equally, and avoid stigmatizing any category regardless of their social, cultural, ethnic backgrounds, or their disabilities.
	3.5. Ensure confidentiality and privacy of patients' information.
	3.6. Recognize basics of medico-legal aspects of practice, malpractice and avoid common medical errors.
	3.7. Recognize and manage conflicts of interest.
	3.8. Refer patients to appropriate health facility at the appropriate stage.
	3.9. Identify and report any unprofessional and unethical behaviors or physical or mental conditions related to himself, colleagues or any other person that might jeopardize patients' safety.
4- The graduate as a scholar and scientist.	4.5 Identify various causes (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, degenerative, and traumatic) of illness/disease and explain the ways in which they operate on the body (pathogenesis).
	4.7 Describe drug actions: therapeutics and pharmacokinetics; side effects and interactions, including multiple treatments, long term conditions and non-prescribed medication; and effects on the population.
	4.8 Demonstrate basic sciences specific practical skills and procedures relevant to future practice, recognizing their scientific basis, and interpret common diagnostic modalities, including: imaging, electrocardiograms, laboratory assays, pathologic studies, and functional assessment tests.
5- The graduate as a member of the health	5.1 Recognize the important role played by other health care professions in patients' management.
	5.2 Respect colleagues and other health care professionals and

Surgery 3b (SUR-529) Study Guide

team and a part of the health care system.	work cooperatively with them, negotiating overlapping and shared responsibilities and engaging in shared decision-making for effective patient management.
	5.3 Implement strategies to promote understanding, manage differences, and resolve conflicts in a manner that supports collaborative work.
	5.4 Apply leadership skills to enhance team functioning, the learning environment, and/or the health care delivery system.
	5.5 Communicate effectively using a written health record, electronic medical record, or other digital technology.
	5.6 Evaluate his/her work and that of others using constructive feedback.
	5.7 Recognize own personal and professional limits and seek help from colleagues and supervisors when necessary.
	5.9 Use health informatics to improve the quality of patient care.
	5.10 Document clinical encounters in an accurate, complete, timely, and accessible manner, in compliance with regulatory and legal requirements.
	5.12 Demonstrate accountability to patients, society, and the profession.
6- The graduate as a lifelong learner and researcher.	6.1 Regularly reflect on and assess his/her performance using various performance indicators and information sources.
	6.2 Develop, implement, monitor, and revise a personal learning plan to enhance professional practice
	6.3 Identify opportunities and use various resources for learning.
	6.4 Engage in inter-professional activities and collaborative learning to continuously improve personal practice and contribute to collective improvements in practice.
	6.6 Effectively manage learning time and resources and set priorities.
	6.8 Critically appraise research studies and scientific papers in terms of integrity, reliability, and applicability.
	6.10 Summarize and present to professional and lay audiences the findings of relevant research and scholarly inquiry.

Professional Information

Block Aims

Overall Aims

1. This block aims to provide students with fundamental knowledge and clinical skills that enable him/her to detect, manage and/or refer common and important **surgical emergencies** .
2. By the end of the blocks, the students will be able to take informative history, perform appropriately timed physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive, do some clinical procedures and interpret important investigations related to **surgical emergencies** .
3. By the end of the blocks, the students will be able counsel patients and their families about common **surgical emergencies** .

Learning Outcomes of the Block:

Surgery 3b (SUR-529) Study Guide

Each competency will be broken down into one or more learning outcomes that may be K, S or A or all.

NARS Key competencies	Learning outcomes for each key competencies	Domain Know Know how Show how does	Teaching method	Assessment method
1.1. Take and record a structured, patient centered history.	C1. Perform a focused history based on all relevant information (including obtaining data from secondary sources) in the following common clinical problems: - primary SURVEY: THE ABCs , SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
	C2. Document and present the clinical encounter (case) concisely in an oral presentation, as a written document, and entered into an electronic medical record in the following common clinical problems: -Clinical problems Mentioned in S1.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
1.2. Adopt an empathic and holistic approach to the patients and their problems.	K1. A1. Address psychological and social factors when assessing patients and developing care plans in any clinical situations. - Mentioned in S1 & S10	Know how	Cases	Quizzes Formative written Final written
		Show how	Skill lab or	Portfolio

Surgery 3b (SUR-529) Study Guide

			bed side Mini - CEX training OSCE training	OSCE ACC
	C3. D2. Interact with patients showing 7 key tips of empathic and holistic approach: • Making eye contact • Let your patient know you're listening • Be aware of your body language • Be curious about your patient • Record details that humanize your patient • Show support to your patient • Look deeper for ways to empathize with your patient	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
1.3 Assess the mental state of the patient.	C4. Establish that patients are attentive—eg, by assessing their level of attention while the history is taken or by asking them to immediately repeat 3 words	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
	C5. Perform an assessment of vital signs	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
	C6. Perform a detailed physical examination of all body systems	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
1.4. Perform appropriately timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally	C7. Perform a focused physical examination based on the patient's chief complaint and review of systems in the following common clinical problems: -Mentioned in C1 Clinical problems Mentioned in C1.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC

Surgery 3b (SUR-529) Study Guide

sensitive.	C8. Detect all significant abnormal findings on physical examination in the following common clinical problems: - Mentioned in C1 & C7	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
	C9. Report findings in notes	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
1.5. Prioritize issues to be addressed in a patient encounter.	C1. Perform a focused history based on all relevant information (including obtaining data from secondary sources) in the following common clinical problems: - primary SURVEY: THE ABCs , SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
1.6. Select the appropriate investigations and interpret their results taking into consideration cost/ effectiveness factors.	A2. C11. Select common investigations relevant to the findings on history and physical examination in the following common clinical problems: - Mentioned in S1 & S10	Know how	Cases in Endocrine GIT & liver Biliopancreatic diseases	Quizzes Formative written Final written
	K3. Describe the purpose of common diagnostic tests,	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
		Know	Lectures	Quizzes Formative written

Surgery 3b (SUR-529) Study Guide

	including blood tests, tests of other body fluids, and basic imaging tests relevant to the following common clinical problems: - Mentioned in S1 ,S7,S10			Final written
	S12. Interpret in a simulated case, the results of the following commonly ordered tests. - Body Mass index - Liver function test - Photos in the following common clinical problems: Mentioned in S1 ,S7,S10	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
1.7. Recognize and respond to the complexity, uncertainty, and ambiguity inherent in medical practice.	A4. & C13. Recognize that there is a degree of uncertainty in all clinical decision making.	Know how	Cases	Quizzes Formative written Final written
		Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
	A5. & C14. Identify clinical situations in which complexity, uncertainty, and ambiguity may play a role in decision-making. - trauma	Know how	Skill lab or bed side Mini - CEX training	Quizzes Formative written Final written
		Show how	OSCE training	Portfolio OSCE OSPE ACC
1.8. Apply knowledge of the clinical and biomedical sciences relevant to the clinical problem at hand.	A6. Integrate and apply knowledge of foundational Biomedical and clinical topics together with clinical skills to diagnose and address the following common medical problems: Mentioned in C1,C7,C10	Know how	Cases	Quizzes Formative written Final written
1.10. Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic	C1. Perform a focused history based on all relevant information (including obtaining data from secondary sources) in the following common clinical problems:	Know	Lecture	Quizzes Formative written Final written
		Know how	Case	Final written
		Show how	Skill lab or bed side	Portfolio OSCE

Surgery 3b (SUR-529) Study Guide

formulation.	- primary SURVEY: THE ABCs , SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.		Mini - CEX training OSCE training	OSPE ACC
A8. C16. Propose a most likely or working diagnosis for each problem based on the clinical encounter and investigations done to date in a stable patient presenting with one of the following straightforward problems: - Mentioned in A7. C15.		Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
A9. C17 Formulate a broad differential diagnosis for each problem, based on the clinical encounter and investigations done to date in an emergency or acute illness patient presenting with one of the following: - primary SURVEY: THE ABCs , SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies		Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC

Surgery 3b (SUR-529) Study Guide

	- Neurosurgery trauma and emergencies.			
1.11. Perform diagnostic and intervention procedures ² in a skillful and safe manner, adapting to unanticipated findings or changing clinical circumstances.	A10. Describe the indications for the following essential medical procedures (diagnostic and intervention), how they are performed, common risks, and follow-up care - Ryl insertion - IV line - Gastric wash - Proctosigmoidoscopic decompression - Hydrostatic reduction	Know	Lecture	Quiezes Formative written Final written
	A11. C18. Implement plans for care prior to any of the following procedures - Ryl insertion - IV line - Gastric wash - Proctosigmoidoscopic decompression - Hydrostatic reduction	Know Show how	Lecture Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE OSPE ACC
	C19. D4. Perform the following essential medical procedures in a supervised or simulated setting - Ryl insertion - IV line - Gastric wash - Proctosigmoidoscopic decompression - Hydrostatic reduction	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
	C20. Implement plans following the following procedures, including monitoring for post-procedure complications and intervening effectively for major complications that occur. - Proctosigmoidoscopic decompression - Hydrostatic reduction	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
1.12. Adopt strategies and apply measures	A 12. Recognize examples of patient safety incidents (adverse	Know Know how	Lecture Case	Quiezes Formative written

Surgery 3b (SUR-529) Study Guide

that promote patient safety.	events, error, near misses, preventable adverse event) in the clinical setting - Proctosigmoidoscopic decompression - Hydrostatic reduction			Final written
	A 13. Differentiate between cases where an adverse event has occurred from those that are due to the underlying medical illness in the following clinical situation. - Gastrointestinal bleeding - Intestinal obstruction - Acute abdomen - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.	Know how	Case	Quizzes Formative written Final written
	A 14. Demonstrate disclosure of a simple medical error to a patient or family (e.g., inadvertent cancellation of a test), In the following clinical case as an example - Gastrointestinal bleeding	Know how	Case	Quizzes Formative written Final written
	A15. Propose an approach to reducing the frequency of medical error in response to a patient safety using an example - Evaluation of Gastrointestinal bleeding	Know how	Case	Quizzes Formative written Final written
1.13. Establish patient-centered management plans in partnership with the patient, his/her family and other health professionals as appropriate, using	A16. C21. Propose a preliminary management plan In a simulated case discussion, or in a REAL stable patient presenting with any one of the following straightforward problems, - SURVEY: THE ABCs ,	Know	Lecture	Quizzes Formative written Final written
		Know how	Case	
		Show	Skill lab or bed side Mini - CEX training	Portfolio OSCE OSPE ACC

Surgery 3b (SUR-529) Study Guide

Evidence Based Medicine in management decisions.	SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.		OSCE training	
	A17. C 22. Establish a therapeutic and management plan with appropriate timelines and follow up In a patient presenting with any of one or more of the following acute illnesses and/or complex problems, - GIT bleeding - Acute abdomen - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.	Know Know how Show	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
1.14. Respect patients' rights and involve them and /or their families/careers in management decisions.	D5. Exhibit honesty and integrity with patients, physicians and other health professionals. D6. Demonstrate caring and compassion during all interactions with patients. D7. Recognize the importance of trusting relationships with patients and others. D8. Recognize and maintain boundaries when interacting with patients. D9. Demonstrate sensitivity with respect to peers, colleagues,	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC

Surgery 3b (SUR-529) Study Guide

	and patients. - As Mentioned in C1 & C10			
	A18. D10. Consistently maintain patient confidentiality in all clinical, social and electronic settings, while recognizing situations that require disclosure of confidential information.	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSPE ACC
	A19. Describe the underlying ethical principles and legal process of informed consent	Know how	Case	Quizzes Formative written Final written
	A20. C23. Describe the process of how to obtain informed consent for a test or treatment procedure	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC
1.15. Provide the appropriate care in cases of emergency, including cardio-pulmonary resuscitation, immediate life support measures and basic first aid procedures.	A21. Describe the characteristics of an acutely ill patient in terms of findings on history, physical examination and basic laboratory investigations in the following clinical situations - primary SURVEY: THE ABCs , SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.	Know Know how	Lecture Case	Quizzes Formative written Final written
	A22. C24.	Know	Lecture	Quizzes

Surgery 3b (SUR-529) Study Guide

	Recognize when a patient has abnormal vital signs that requires immediate attention and investigation in the following clinical situations - primary SURVEY: THE ABCs , SECONDARY SURVEY - facial trauma & Neck trauma - Abdominal trauma - GIT bleeding - acute abdomen - Intestinal obstruction - Abdominal vascular syndromes - Vascular emergencies - Cardiothoracic emergencies - Neurosurgery trauma and emergencies.	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Formative written Final written Portfolio OSCE OSPE ACC
	A23. C25. Recognize when a patient has a complaint or physical finding that suggests the possibility of a severe illness (including life- threatening) and therefore requires immediate attention and investigation in the following clinical situations - Mention in A22. C24.	Know Know how Show	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
	A24. Apply the steps taken in the emergency care of acutely ill patients in the following clinical situations - Mention in A22. C24.	Know Know how	Lecture Case	Quizzes Formative written Final written
	A25. C26. Identify potential underlying causes of a patient's deterioration in the following clinical situations - Mention in A22. C24.	Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
	S27	Show how	Skill lab or	Portfolio

Surgery 3b (SUR-529) Study Guide

	Start the initial emergency care plan for a patient with the following common life- threatening conditions - Mentioned in A9, C17		bed side Mini - CEX training OSCE training	OSCE ACC
2.3 Discuss the role of nutrition and physical activity in health.	A 26. Identify role of integrating diet and physical activity on general health and well-being across the lifespan - Nutrition in GIT disorder -Nutrition in trauma patient Nutrition in intestinal obstruction	Know Know how	Lecture Case	Quizzes Formative written Final written
	C28. D11 Educate patients and populations about strategies that promote an active and healthy lifestyle along -- Nutrition in GIT disorder -Nutrition in trauma patient Nutrition in intestinal obstruction	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
2.5 Describe the principles of disease prevention, and empower communities, specific groups or individuals by raising their awareness and building their capacity.	A 27. Apply preventive measures for the following health problems: - GIT cancers - Intestinal obstruction	Know Know how	Lecture Case	Quizzes Formative written Final written
2.6 Recognize the epidemiology of common diseases within his/her community, and apply the systematic approaches useful in reducing the incidence and prevalence of those diseases.	A28. Apply methods reducing the incidence and prevalence of following common diseases. -Mention in A27.	Know Know how	Lecture Case	Quizzes Formative written Final written
	A29 Identify and apply screening tests appropriate at different life stages	Know Know how	Lecture Case	Quizzes Formative written Final written
2.9 Adopt suitable	A30. C29.	Know	Lecture	Quizzes

Surgery 3b (SUR-529) Study Guide

measures for infection control.	Apply principles of patient safety related to infection prevention and control practices in the following situations - Ryl insertion - Iv line - Gastric wash - Proctosigmoidoscopic decompression - Hydrostatic reduction	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Formative written Final written Portfolio OSCE OSPE ACC
	A31. C30. Demonstrate the procedures involved in universal body substance precautions, including handwashing, and donning and doffing of gowns, gloves, masks, and eye protection	Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE OSPE ACC
	A32. C31. Apply principles of infection control when dealing with a patient who may have a communicable Disease	Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE ACC
3.1. Exhibit appropriate professional behaviors and relationships in all aspects of practice, demonstrating honesty, integrity, commitment, compassion, and respect.	A33. A12 Demonstrate the ability to give feedback to colleagues in a respectful manner .	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE ACC
3.3. Respect the different cultural beliefs and values in the community they serve.	K34 D13. Demonstrate the application of patient autonomy and respect for persons in specific case situations	Show	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
3.4. Treat all patients equally, and avoid	A35. D 14.. Identify medicolegal principles that obligate physician to Treat	Know Know how	Lecture Case	Quiezes Formative written

Surgery 3b (SUR-529) Study Guide

stigmatizing any category regardless of their social, cultural, ethnic backgrounds, or their disabilities.	all patients equally,	Show how	Skill lab or bed side Mini - CEX training OSCE training	Final written Portfolio OSCE ACC
	D 15. Demonstrate in clinical encounters avoiding stigmatizing any category regardless of their social, cultural, ethnic backgrounds, or their disabilities.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
3.5. Ensure confidentiality and privacy of patients' information.	A36. D16. Avoid disclosing confidential patient information in online communications.	Know how	Case	Quizzes Formative written Final written
		Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
	A37. D17. Explain the potential abuses of technology-enabled communication and their relationship to professionalism.	Know how	Case	Quizzes Formative written Final written
		Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
	A38. D18. Follow relevant policies regarding the appropriate use of electronic medical records	Know how	Case	Quizzes Formative written Final written
		Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
3.6. Recognize basics of medico-legal aspects of practice, malpractice and avoid common	A39. D 19. Apply basics of medicolegal practices in common clinical situations including: - Mentioned in A7. C15.	Know how	Case	Quizzes Formative written Final written
		Show how	Skill lab or	Portfolio

Surgery 3b (SUR-529) Study Guide

medical errors.			bed side Mini - CEX training OSCE training	OSCE ACC
	A40. D20. Demonstrate how to avoid common medical errors in the following common clinical situations: - Mentioned in A7. C15.	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC
3.7. Recognize and manage conflicts of interest.	A41. C31. D 21. Demonstrate the capacity to reflect on their own competencies and identify situations where one requires Help	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC
3.7. Recognize and manage conflicts of interest.	A42. C32. Demonstrate the capacity to identify situations where cognitive biases may have affected their patient Management	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC
3.8. Refer patients to appropriate health facility at the appropriate stage.	A43. Describe the nature of clinical expertise and of its limits	Know how	Case	Quizzes Formative written Final written
	A44. C33. Recognize the range of possible transitions a patient may encounter (e.g., hospital to home, hospital to long term care facility, emergency department to ward in the following clinical settings examples - Mentioned in A7. C15.	Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC

Surgery 3b (SUR-529) Study Guide

	A45. List indications of admission to hospital in the following clinical situations - Mentioned in A7. C15.	Know Know how	Lecture Case	Quizzes Formative written Final written
	A46 List criteria of home discharge in the following clinical situations - Mentioned in A7. C15.	Know Know how	Lecture Case	Quizzes Formative written Final written
	A47 List the elements of a high quality written —handover of care” Document in the following clinical settings examples - GIT bleeding - Acute abdomen	Know Know how	Lecture Case	Quizzes Formative written Final written
	A48. D22 List the elements of a high quality verbal and written handover of care in the following clinical settings examples - GIT bleeding - Acute abdomen	Know Know how Show how	Lecture \ Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC
3.9. Identify and report any unprofessional and unethical behaviors or physical or mental conditions related to himself, colleagues or any other person that might jeopardize patients’ safety	A49. D23. Participate in peer assessment	Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
4.5 Identify various causes (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, degenerative, and	A50. Identify various causes (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, degenerative, and traumatic) of the following diseases mentioned in C1	Know Know how	Lecture Case	Quizzes Formative written Final written

Surgery 3b (SUR-529) Study Guide

traumatic) of illness/disease and explain the ways in which they operate on the body (pathogenesis).	C10 , D3 A7, C15			
4.7 Describe treatment options; and effects on the population.	A51. C34. Choose categories of Individual drugs in each of the following clinical conditions mentioned in C1 C10 , D3 A7, C15	Know Know how Show how	Lecture Case \ Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
	A52. Mention modalities of treatment following clinical conditions mentioned in C1 C10 , D3 A7, C15	Know Know how	Lecture Case	Quizzes Formative written Final written
	A53. Demonstrate in the following clinical situations how to prescribe relevant drugs mentioned in C1 C10 , D3 A7, C15	Know Know how	Lecture Case	Quizzes Formative written Final written
4.8 Demonstrate basic sciences specific practical skills and procedures relevant to future practice, recognizing their scientific basis, and interpret common diagnostic modalities, including: imaging, laboratory assays, pathologic studies, and functional assessment tests.	A54. C35 Interpret the following diagnostic imaging modalities - - -Endoscopic photos GIT bleeding A55. C36 Interpret the following laboratory assays, - Liver function test - CBC - Hepatitis markers - Ascitic fluid analysis and SAAG	Know Know how Show how	Lecture Case Skill lab or bed side Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC

Surgery 3b (SUR-529) Study Guide

	A56, C37 Interpret the following pathologic studies, A57, C38 Interpret the following functional assessment tests. 5-HTTlevel in carcinoid syndrome - Liver function test			
5.2 Respect colleagues and other health care professionals and work cooperatively with them, negotiating overlapping and shared responsibilities and engaging in shared decision-making for effective patient management.	A58. D24. Demonstrate respect and cooperation with all health care providers in the following clinical settings mentioned in - C1 - C10 , D3 - A7, C15	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE OSPE ACC
5.3 Implement strategies to promote understanding, manage differences, and resolve conflicts in a manner that supports collaborative work.	A59 Identify clinical scenarios that are likely to lead to conflict A60. Describe the root causes of conflict in interprofessional teams A61 Describe approaches to conflict resolution	Know how	Case	Quiezes Formative written Final written
	A62. D 25. Recognize one's own approach to conflict A63 D 26. Demonstrate the capacity to resolve conflicts that occur with colleagues related to issues such as prioritization of duties	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE OSPE ACC
5.4 Apply leadership skills to enhance team	A64. D27. Identify aspects of their own leadership style(s) (including,	Know how	Case	Quiezes Formative written

Surgery 3b (SUR-529) Study Guide

functioning, the learning environment, and/or the health care delivery system.	strengths, weaknesses, and biases. A65. D28 Participate in reflective processes to inform their personal leadership development. A66. D29 Appreciate that leadership is not demonstrated only by leaders but that all physicians will be required to demonstrate —leadership in the course of their careers. A67. D30. Reflect on motivations, capabilities, skills, boundaries, and purpose as a leader. A68. D31. Demonstrate teamwork and collaboration STYLES in the healthcare setting, and participate in team-building and collaboration exercises.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Final written Portfolio OSCE ACC
5.5 Communicate effectively using a written health record, electronic medical record, or other digital technology.	D32. C39. Communicate effectively with patients D 33. Communicate with colleagues D34. C40. Communicate in breaking bad news D 35. Communicate with relatives D 36. Communicate with disabled people D37. Communicate in seeking informed consent C41. D38. Communicate in writing (including medical records) C42. D39. Communicate in dealing with aggression	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
5.6 Evaluate his/her work and that of others using constructive	D40. Consistently seek out and welcome feedback from others.	Show how	Skill lab or bed side Mini - CEX training	Portfolio OSCE ACC

Surgery 3b (SUR-529) Study Guide

feedback	D 41. Accept constructive feedback. D42. C43. Demonstrate the capacity to reflect upon feedback and use this as a basis for enhanced learning of relevant Competencies. K43. C44. Provide constructive feedback to colleagues about aspects of their clinical competence when requested to do so.		OSCE training	
5.7 Recognize own personal and professional limits and seek help from colleagues and supervisors when necessary.	A69. C45. Shows how to refer to other professionals in the following clinical situations: -traumatic patient GIT bleeding - intestinal obstruction Acute abdomen A70. C46. Shows how to seek further support and advice in the following clinical situations mentioned in - A69. C45.	Know how Showhow	Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE ACC
5.9 Use health informatics to improve the quality of patient care.	C47. Use information and communication technologies to enhance knowledge, skills and judgment in providing evidence-informed, safe, effective and efficient patient care.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
	C48. Gather relevant data from a variety of sources, including literature, web-based resources, electronic health records and databases.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
	A71. C49. Critically assess the reliability, quality and comprehensiveness of all data used to inform health care Decisions.	Know how Show how	Case Skill lab or bed side Mini - CEX	Quiezes Formative written Final written Portfolio OSCE

Surgery 3b (SUR-529) Study Guide

			training OSCE training	OSPE ACC
5.10 Document clinical encounters in an accurate, complete, timely, and accessible manner, in compliance with regulatory and legal requirements.	A72. C50. Write medical record in the following clinical situations mentioned in: - C1 - C10 , D3 - A7, C15	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE OSPE ACC
5.12 Demonstrate accountability to patients, society, and the profession.	C 51, D44. Reflect on examples from their clinical rotations and acknowledge that near misses, adverse events and patient safety incidents (PSIs) will occur. - trauma - GIT bleeding - Acute abdomen	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
6.1 Regularly reflect on and assess his/her performance using various performance indicators and information sources.	C 52. D45. Reflect on experiences in the preclinical setting to identify areas requiring improvement a modify behavior. C53. D46. Reflect on experiences in the clinical setting to identify areas requiring improvement and modify behaviour by use of ethical frameworks. C54. D47. Evaluate teachers and programs in an honest, fair, and constructive manner.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
6.2 Develop, implement, monitor, and revise a personal learning plan to enhance professional practice	A73 Use portfolio as a tool to develop and monitor a learning plan. C55. D 48. Reflect on achievement of the required competencies. C56. D49. Use portfolio to improve self-awareness to enhance performance.. D50.	Know Show how	lecture Skill lab or bed side Mini - CEX training OSCE training	Quiezes Formative written Final written Portfolio OSCE ACC

Surgery 3b (SUR-529) Study Guide

	Demonstrate appropriate use and enhancement of resilience skills. C57. D51. Demonstrate the connection between self-care and patient safety.			
6.3 Identify opportunities and use various resources for learning.	C 58. Use various resources of learning including LMS. C59. D 52.. Contribute to a positive atmosphere in the classroom and in clinical learning settings by demonstrating the following behaviours: ▪ Participating enthusiastically as a learner ▪ Providing encouragement to colleagues ▪ Refraining from belittling colleagues' efforts	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
6.4 Engage in inter-professional activities and collaborative learning to continuously improve personal practice and contribute to collective improvements in practice.	A74. Identify the various different collaborators they will work within the clinical environment to provide patient care.	Know how	Case	Quizzes Formative written Final written
	A75. D 53. Demonstrate a general understanding of the roles and responsibilities of collaborators in the clinical environment.	Know how Show how	Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE ACC
	C60. Participate in inter-professional activities.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
6.6 Effectively manage learning time and resources and set priorities.	A76. Describe the concepts of the declared, taught, learned, and hidden Curriculum.	Know Know how	Lecture Case	Quizzes Formative written Final written

Surgery 3b (SUR-529) Study Guide

	A77. Describe factors that can positively or negatively affect the learning environment.	Know Know how	Lecture Case	Quizzes Formative written Final written
	A78. C61. D54. Develop a systematic approach to learning and a time management strategy.	Know Know how Show how	Lecture Case Skill lab or bed side Mini - CEX training OSCE training	Quizzes Formative written Final written Portfolio OSCE OSPE ACC
	C62. D55. Access supports available to students to deal with stress and the health issues that are common in medical school.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE OSPE ACC
	A79. a Describe strategies for reporting and managing witnessed or Experienced mistreatment.	Know Know how	Lecture Case	Quizzes Formative written Final written
6.8 Critically appraise research studies and scientific papers in terms of integrity, reliability, and applicability.	C63. Select appropriate sources of knowledge as they relate to addressing focused questions. Identify appropriate sources that answer a clinical question.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
6.10 Summarize and present to professional and lay audiences the findings of relevant research and scholarly inquiry.	C64. D56. Plan and deliver an effective presentation.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC
	C65, D57. Explain to patients and families in general terms the results of research studies and their application to clinical issues.	Show how	Skill lab or bed side Mini - CEX training OSCE training	Portfolio OSCE ACC

Learning Methods

1- Lectures for knowledge outcomes.

2- Practical (Bedside/skill lab) sessions to gain clinical skills.

Surgery 3b (SUR-529) Study Guide

3-Task based log (may use inscion academy/clinical key cases).

4- Group discussions (Case – based).

Methods of Student Assessment

1. Formative:

This is used to monitor student's learning to provide ongoing feedback that can be used by instructors to improve their teaching and by students to improve their learning.

It's given at least once in the form of quizzes that is made available for the students at the E-learning site at the end of the block.

Answers are presented instantly after the attempts and discussed on the students groups or in person with the teaching staff

Questions should be consistent with the level of the final exam. The student's attendance is a condition for entering the summative exams. The electronic or paper achievement file must be used to follow up on the students' evaluation, and its completion is a condition for entering the final exams

2. Summative

It is used to evaluate student's achievements at the end of an instructional unit. The grades tell whether the student achieved the learning goal or not.

The student's performance will be assessed according to the following:

Assessment task	Type of assessment	Proportion of total assessment	
		%	Marks
End block exam	MCQ (single answer)	20%	16 marks
Portfolio	Includes the following: • Attendance • Formative assessment • Case presentations	10%	(8 marks total) 4 marks 2 marks 2 marks
Final exam	75%MCQ (single answer)..... 25% Short answer Qs and modified essay Qs	40%	32 marks

Surgery 3b (SUR-529) Study Guide

OSCE Final	Typical OSCE stations using standardized, real or skill lab encounters	30%	24 marks
Total		100%	80
الدور الثاني			
Final exam	75%MCQ (single answer)..... 25% Short answer Qs and modified essay Qs	60%	48
Practical exam	Typical OSCE stations using standardized, real or skill lab encounters	40%	32
total		100%	80

Block evaluation

- Students' results
- Students' feedback
- Tutors' feedback

Contents

Lecture Topics and Their Learning Outcomes

No.	Learning outcomes A	Lectures Titles And specified reference	Week No.	Date*	Contact Hours
1	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Primary Survey: The Abcs , Secondary Survey USMLE Step 2 CK lecture notes Surgery (Kaplan Medical2019 , P120 TO 122) Chapter Diseases of GIT.	1 st		1
2	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Acute abdomen USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Diseases of GIT, p129 to p 130.	2 nd		1

Surgery 3b (SUR-529) Study Guide

3		Facial trauma & Neck trauma USMLE Step 2 CK lecture notes Surgery (Kaplan Medical2019 , P124 TO 128) Chapter Diseases of GIT.	3 rd week		1
4	A1-4, A6-8, A10, A11, A14, A18, A19, A20 ,A27 -29 , A33- 41, A43- 46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Vascular emergencies USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019)	4 th		1
5	A1-4, A6-8, A10, A11, A14, A18, A19, A20 ,A27 -29 , A33- 41, A43- 46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Title: Chest trauma Source: 1- first aid for USMLE step 2 CK clinical knowledge (6 th edition) (Pulmonology 425, 426)& (selected topics in emergency medicine 453,454) 2- Kaplan USMLE step 2 CK lecture notes internal medicine (2021) , chapter 9	5 th		1
6	A1-4, A6-8, A10, A11, A14, A18, A19, A20 ,A27 -29 , A33- 41, A43- 46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Head Trauma 1) Kaplan USMLE step 2 CK lecture notes internal medicine (2019) , Chapter 10 . 2) Kaplan USMLE step 2 CK lecture notes surgery (2019) , chapter 1 . 3) Amboss.	6 th	28/12/2022	1
7	A1-4, A6-8, A10, A11, A14, A18, A19, A20 ,A27 -29 , A33- 41, A43- 46, A49,	Abdominal trauma USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019) Chapter Diseases of GIT, p126 to p 128.	7 th ,8 th	(liver, pancreas, mesentery, spleen, intestine, anorectal)	1

Surgery 3b (SUR-529) Study Guide

	A50, A52, A53,A55, A58, A59- 68, A71- A79				
--	---	--	--	--	--

Surgery 3b (SUR-529) Study Guide

8	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	GIT bleeding USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Diseases of GIT, p129 to p 130.	9 th 10 th	(Upper and Lower GIT Bleeding)	1
9	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Intestinal obstruction USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Diseases of GIT, p129 to p 130.	11 th		1
10	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Abdominal vascular syndromes USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Hepatobiliary, p 139 to 142	12 th		1
11	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Acute appendicitis and diverticulitis USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Diseases of GIT p120-p 149	13 th		1
12	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Acute cholecystitis and cholangitis USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Diseases of GIT, p120-p 149	14 th		1

Surgery 3b (SUR-529) Study Guide

13	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Acute pancreatitis USMLE Step 2 CK lecture notes surgery (Kaplan Medical 2019) Chapter Diseases of GIT, p120-p 149	15 th		1
----	---	--	------------------	--	----------

Surgery 3b (SUR-529) Study Guide

14	A1-4, A6-8, A10, A11, A14, A18, A19, A20, A27-29, A33-41, A43-46, A49, A50, A52, A53, A55, A58, A59-68, A71-A79	Peptic ulcer complications USMLE Step 2 CK lecture notes surgery (Kaplan Medical 2019) Chapter Diseases of GIT, p120-p149	16 th		1
Total					14 hour

Skills and tasks and Their Learning Outcomes

In addition to real patients and skills stated in the NARS should be learned either in practical or group discussion

No.	Learning outcomes C and D	Bedside/skill lab sessions and titles	Weeks	Date*		Hours
				From	To	
1.	C1-C13, C15, C16, C18-21, C23, C27, C30-34, C36, C39- C44-, C46 -65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	Primary Survey On Trauma And Secondary Survey Of Patient With Trauma History taking & examination of facial trauma & Neck trauma	1 st Week			3
2.	C1-C13, C15, C16, C18-21, C23, C27, C30-34, C36, C39- C44-, C46 -C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of abdominal trauma	1 st Week			3
3.	C1-C13, C15, C16, C18-21, C23, C27, C30-34, C36, C39- C44-, C46 -C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of case with Upper GIT Bleeding	1 st Week			3
4.	C1-C13, C15, C16, C18-21, C23, C27, C30-34, C36, C39- C44-, C46 -C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of case with Lower GIT Bleeding				3

Surgery 3b (SUR-529) Study Guide

5.	C1-C13, C15, C16, C18-21, C23, C27, C30-34, C36, C39- C44-, C46 - C1-C13, C15- -27, C30-36, C39- -C65	History taking and examination of vascular emergencies	1 st Week			3
	D1-10,12-D57					
	D1-10,12-D57					

Surgery 3b (SUR-529) Study Guide

6.	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of acute abdomen	2 nd week			3
7.	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of patient with Intestinal obstruction	2 nd week			3
8.	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of cardiothoracic emergencies	2 nd week			3
9.	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	History taking and examination of head trauma and spinal cord compression	2 nd week			3
		Total				24

Self Directed Learning and Group Discussion (SDL &GD) (cases scenario with 10 MCQs)

No.	Learning outcomes K and A	Title of cases and reference	Weeks	Date*		Hours
				from	To	
1.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58- 79 D1-10, 12-	Case 1: Primary survey, secondary survey and facial trauma & Neck trauma	1 st week			2

Surgery 3b (SUR-529) Study Guide

	21, 23 - 57	First Aid cases USMLE step 2CK 2 nd edition p130, 132,134,141				
--	-------------	--	--	--	--	--

Surgery 3b (SUR-529) Study Guide

2.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79 D1-10, 12-21, 23 - 57	Case 2: abdominal trauma First Aid cases USMLE step 2CK 2 nd edition p135	1 st week			2
3.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79 D1-10, 12-21, 23 - 57	Case 3: hematemesis First Aid cases USMLE step 2CK 2 nd edition p139.	1 st week			2
4.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79 D1-10, 12-21, 23 - 57	Case 4: Lower GIT bleeding	1 st week			2
5.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79 D1-10, 12-21, 23 - 57	Case 5: vascular First Aid cases USMLE step 2CK 2 nd edition p	1 st week			2
6.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79 D1-10, 12-21, 23 - 57	Case 6: peritonitis First Aid cases USMLE step 2CK 2 nd edition p140	2 nd week			2

Surgery 3b (SUR-529) Study Guide

7.	A1-A4, A6-8, A16, A18-20 , A29, A31-46, A49-55, A58- 79 D1-10 , 12- 21, 23 - 57	Case 7: peritonitis First Aid cases USMLE step 2CK 2 nd edition p140	2 nd week			2
----	---	---	-------------------------	--	--	----------

Surgery 3b (SUR-529) Study Guide

8.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79	Case 8: Intestinal obstruction First Aid cases USMLE step 2CK 2 nd edition p131	2 nd week			2
9.	D1-10, 12-	Case 9: cardiothoracic First Aid cases USMLE step 2CK 2 nd edition p	2 nd week			3
10.	A1-A4, A6-8, A16, A18-20, A29, A31-46, A49-55, A58-79 D1-10, 12-21, 23 - 57	Case 10: Extradural Hematoma First Aid cases USMLE step 2CK 2 nd edition p154	2 nd week			3
		Total				22

Portfolio

No.	Week Number	Task to be recorded in the portfolio	Quiz Case Based MCQs	Formative assessment
1.	1 st	General protocol in management of trauma patients. 1-Case 1: primary and secondary survey on trauma	Answer the quiz of each lecture in this week (e-Learning).	
2.	2 nd	Management of Acute abdomen	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
3.	3 rd	Facial Trauma & Neck Trauma	Answer the quiz of each lecture in this week (e-learning).	

Surgery 3b (SUR-529) Study Guide

4.	4 th	Evaluation patient with Vascular emergency	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
5.	5 th	Evaluation patient with Cardiothoracic trauma Case (12) cardiothoracic	Answer the quiz of each lecture in this week (e-learning).	
6.	6 th	Evaluation patient with Head Trauma NO. 13 Case (13) Extradural Hematoma .	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
7.	7 th	Abdominal trauma (liver, pancreas, mesentry) Abdominal trauma (spleen, bowel, anorectal)	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
8.	8 th	. Management of GIT bleeding upper GIT bleeding lower GIT bleeding	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
9.	9 th	Evaluation patient with Intestinal obstruction	Answer the quiz of each lecture in this week (e-learning).	

Surgery 3b (SUR-529) Study Guide

10.	10 th	Abdominal vascular emergencies	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
11.	11 th	Acute appendicitis and diverticulitis	Answer the quiz of each lecture in this week (e-learning).	
12.	12 th	Acute cholecystitis and cholangitis	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
13.	13 th	Acute pancreatitis	Answer the quiz of each lecture in this week (e-learning).	
14.	14 th	Peptic ulcer complications	Answer the quiz of each lecture in this week (e-learning).	Attend and pass the formative exam at the end of the week
	Total			

Blueprint of the block

No.	List of Topics (Lectures/cases)	Learning outcomes	Weight* % From total	Total marks	End of the block	Final exam
1.	Primary Survey: And Secondary Survey	D1-4, D6-8, D10, D11, D14, D18, A19, A20 ,A27 -29 , A33-41, A43- 46, A49, A50, A52, A53,A55, A58, A59-68, A712-A79	6.25 %	3 marks	2	1
2.	Acute abdomen	A1-4, A6- -55 , A57 – A79	6.25 %	3 marks	2	1
3.	facial trauma & Neck trauma	A1-4, A6- -55 , A57 – A79	6.25 %	3 Marks	2	1
4.	Vascular emergencies	A1-4, A6-8, A10, A16, A18-20, A29, A31-46, A49-53, A55,A57-A68, A7-79	6.25 %	3 marks	2	1
5.	Chest trauma	A1-4, A6-8, A10,A11, A14, A17,18,A19, A22- A27,A29 , A33-41, A43- 46, A49, A50, A52, A53,A55, A58, A59-68, KA712-A7	6.25 %	3 marks	2	1
6.	Head trauma	A1-4, A6-8, A10, A16, A18-20, A29, A31-46, A49-53, A55,A57-A68, A7-79	6.25 %	3 marks	2	1
7.	Abdominal trauma (Liver, pancreas, mesentery, spleen, intestine, anorectal)	A1-4, A6-9, A10, A16, A17-25, A29, A31- -53, A55,A57-A68, AK7-79	12.50 %	6 marks	4	2
8.	Upper GIT bleeding Lower GIT bleeding	A1-4, A6-9, A10, A16, A17-25, A29, A31- -53,	12.50 %	6 marks	0	6
					0	

Surgery 3b (SUR-529) Study Guide

		A55,A57-A68, AK7-79				
--	--	------------------------	--	--	--	--

Surgery 3b (SUR-529) Study Guide

9.	Intestinal obstruction	A1-4, A6-9, A10, A16, A17-25, A29, A31- -53, A55,A57-A68, AK7-79	6.25 %	3 marks	0	3
10.	Abdominal vascular syndromes	A1-4, A6-9, A10, A16, A17-25, A29, A31- -53, A55,A57-A68, AK7-79	6.25 %	3 marks	0	3
11.	Acute appendicitis and diverticulitis	A1-4, A6- -55 , A57 – A79	6.25 %	3 marks	0	3
12.	Acute cholecystitis and cholangitis	A1-4, A6- -55 ,A57 – A79	6.25 %	3 marks	0	3
13.	Acute pancreatitis	A1-4, A6- -55 , A57 – A79	6.25 %	3 marks	0	3
14.	Peptic ulcer complications	A1-4, A6- -55 , A57 – A79	6.25 %	3 marks	0	3
Total				48	16	32

Weight*= decided according to hours, amounts of information and clinical significance

Practical blueprint

	List of sessions/practical or clinical topics	Learning outcomes (C and D)	Weight* %From total	Number of stations/Cases	Marks
1.	Primary Survey On Trauma And Secondary Survey Of Patient With Trauma History taking &	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65	10%	1	3 marks

Surgery 3b (SUR-529) Study Guide

	examination of facial trauma & Neck trauma	D1-10,12-D57			
2.	History taking and examination of abdominal trauma	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	10%	1	2
3.	History taking and examination of case with Upper GIT Bleeding	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	10%	1	2
4.	History taking and examination of case with Lower GIT Bleeding	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	10%	1	2
5.	History taking and examination of vascular emergencies	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	10%	1	3
6.	History taking and examination of acute abdomen	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27, C30-36, C39- -C65 D1-10,12-D57	10%	1	2
7.	History taking and examination of acute abdomen	C1-C13, C15, C16, C18-21. C23, C27, C30- 34, C36, C39- C44-, C46 - 65 D1-10,12-D57 C1-C13, C15- -27,	10%	1	2

Surgery 3b (SUR-529) Study Guide

		C30-36, C39- -C65 D1-10,12-D57			
8.	History taking and examination of patient with Intestinal obstruction	S7,S8 A1-10 , 12- 21, 23 – 57	10%	1	2
9.	History taking and examination of cardiothoracic emergencies	S7,S8 A1-10 , 12- 21, 23 – 57	10%	1	3
10.	History taking and examination of head trauma and spinal cord compression	S18, S19, S1-S13, S15-17, S21-27, S30- 34, S36, S38 – 50, S52-65 A1-10, 12- - 57	10%	1	3

Surgery 3b (SUR-529) Study Guide

	Total		100%		24

Weight*= decided according to hours, amounts of information and clinical significance

Lecture Outlines

Lecture (1) Management of trauma patient

1. Primary and secondary survey for trauma patient

USMLE Step 2 CK lecture notes Surgery (Kaplan Medical2019 , P15 TO 24) Chapter trauma.

Specific learning Objectives

By the end of the lecture the student will be able to:

- Manage the patient in the trauma scene.
- Do the primary survey for trauma patients.
- Do the secondary survey for trauma patients.
-

Contents:

- Primary survey
- secondary survey
-

Lecture (2) Acute abdomen

USMLE Step 2 CK lecture notes surgery (Kaplan Medical2019) Chapter Diseases of GIT

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Diagnose and manage different causes of acute abdomen.

Content

- deferential diagnosis
- Investigation
- management

Lecture(3) Maxillofacial trauma

Amboss

USMLE Step 2 CK lecture notes (2002) Internal Medicine (Kaplan Medical), Chapter : truma p25-29, 210-214

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Primary care for patient with maxillofacial trauma.
- Definitive management for a patient with maxillofacial trauma.

Contents:

- Mandibular trauma
- Zygomatic trauma .
- Neck trauma.

Lecture(4) Vascular trauma

USMLE Step 2 CK lecture notes Surgery (Kaplan Medical2019 , p 38 TO 43) Chapter trauma.

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Diagnose and manage blunt and penetrating vascular trauma and acute thromboembolic problems.

Contents:

- Vascular trauma
- Acute Thromboembolic diseases

Lecture (5) Cardiothoracic trauma patient

Amboss

Specific learning Objectives:

By the end of the lecture the student will be able to :

- 1- Understand how to manage cardiothoracic trauma patient.

Contents:

outline the presentation , diagnosis and management of various types of chest injuries .

Contents

Definition , Etiology , pathophysiology , clinical features of fracture ribs and intrathoracic bleeding , pneumothorax, initial management , diagnosis , treatment , complications and prognosis

lecture (6) Head trauma

6Kaplan USMLE step 2 CK lecture notes internal medicine (2019) , Chapter 10 .

2) Kaplan USMLE step 2 CK lecture notes surgery (2019) , chapter 1 .

3) Amboss .

Specific learning Objectives:

By the end of the lecture the student will be able to :

outline the presentation , diagnosis and management of various types of head injuries .

Contents

Definition , Etiology , pathophysiology , clinical features of Skull fractures and intracranial bleeding , initial management , diagnosis , treatment , complications and prognosis .

Lecture (7)

Abdominal trauma

USMLE Step 2 CK lecture notes Surgery (Kaplan Medical2019 , p 38 TO 43) Chapter trauma.

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Diagnose and manage blunt and penetrating abdominal traumas.

Contents:

- Solid organ trauma(liver, pancreas and spleen).
- Intestinal, mesentery, anorectal trauma.
- Abdominal vascular trauma.

Lecture (8) GIT bleeding

USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019) Chapter Diseases of GIT

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Diagnose and manage upper GIT bleeding causes.
- Diagnose and manage lower GIT bleeding causes.

Content

- Oesophagel, gastric and duodenal bleeding
- Small and large intestinal bleeding .
- Medical, endoscopic and surgical treatment of GIT bleeding.

Lecture (8) Intestinal obstruction

USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019) Chapter GIT disease ,

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Diagnose and manage acute intestinal obstruction
- Able to know different causes of intestinal obstruction.
- Surgical and medical treatment of types of intestinal obstruction

Contents:

- Mechanical causes of small intestinal obstruction .
- functional causes of small intestinal obstruction .
- large intestinal obstruction.

Lectures (9) Abdominal vascular syndromes

USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019) Chapter GIT disease

Specific learning Objectives:

By the end of the lecture the student will be able to :

- Diagnose and manage acute intestinal ischemia

Content

- Mesenteric arterial occlusion.

Surgery 3b (SUR-529) Study Guide

- Mesenteric venous occlusion.
- Non occlusive intestinal ischaemia.

Lectures (10) Acute pancreatitis

- USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019)

Specific learning Objectives:

By the end of the lecture the student will be able to :

Understand how to manage acute pancreatitis

Contents

Acute pancreatitis-1
Etiology
Pathophysiology
Clinical picture
Diagnosis
Differential diagnosis
Treatment
Complications
Prognosis

Lectures (11)

Lectures (12) Acute cholecystitis

USMLE Step 2 CK lecture notes surgery(Kaplan Medical2019) Chapter pediatric surgery, p167 to 173
Amboss

Specific learning Objectives:

By the end of the lecture the student will be able to:

Discuss the types, causes and clinical picture of acute cholecystitis.

Contents

- types
- Etiology
- Clinical picture
- Diagnosis
- Treatment

Lecture (13)

Acute pancreatitis

Kaplan USMLE step 2 CK lecture notes internal medicine (2019) , Chapter 10 .

2) Kaplan USMLE step 2 CK lecture notes surgery (2019) , chapter 1 .

3) Amboss .

Specific learning Objectives:

By the end of the lecture the student will be able to :

outline the presentation , diagnosis and management of various types of head injuries .

Contents

Definition , Etiology , pathophysiology , clinical features of Skull fractures and intracranial bleeding , initial management , diagnosis , treatment , complications and prognosis .

Lecture (14)

Peptic Ulcer Complications

1) Kaplan USMLE step 2CK lecture notes internal medicine (2021), Chapter 11, P: 938 – 945.

2) USMLE step 2 CK lecture notes surgery (2019), chapter 1, P: 29.

3) first aid for USMLE step 2 CK clinical knowledge (6th edition), Musculoskeletal section, P: 241 – 243.

By the end of the lecture the student will be able to:

Understanding how to manage complicated peptic ulcer

Contents:

- Cicatrized peptic ulcer

- Bleeding peptic ulcer
- Perforated peptic ulcer

Outlines of topics for self directed learning and case based discussions

Case 1: primary and secondary survey on trauma

First Aid cases USMLE step 2CK 2nd edition p130

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding polytraumatized patient

Case 2: Acute abdomen (acute appendicitis , acute cholecystitis, acute cholangitis, diverticulitis)

First Aid cases USMLE step 2CK 2nd edition p132

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with acute abdomen

Case 3: facial trauma & Neck trauma

First Aid cases USMLE step 2CK 2nd edition p517, p520

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with facial trauma.

Case 4: abdominal trauma

First Aid cases USMLE step 2CK 2nd edition p524

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with **abdominal trauma**

Case 5: abdominal trauma

First Aid cases USMLE step 2CK 2nd edition p524

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding abdominal trauma

Case 6: hematemesis

First Aid cases USMLE step 2CK 2nd edition p151

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with hematemesis

Case 7: peritonitis

First Aid cases USMLE step 2CK 2nd edition

Specific learning Objectives:

By the end of case discussion, the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with peritonitis

(1) Case 8: Intestinal obstruction

First Aid cases USMLE step 2CK 2nd edition p154

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with intestinal obstruction.

Case 9: Mesenteric vascular occlusion

First Aid cases USMLE step 2CK 2nd edition p518

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with Mesenteric vascular occlusion

Case 10: vascular

First Aid cases USMLE step 2CK 2nd edition p516

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
2. Select the appropriate investigations.
3. Construct appropriate management regarding a case with vascular emergencies

Case (11) cardiothoracic

First Aid cases USMLE step 2CK 2nd edition p150

Specific learning Objectives:

By the end of case discussion the student will be able to:

- 1- Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.

Surgery 3b (SUR-529) Study Guide

- 2- Select the appropriate investigations.
- 3- Construct appropriate management regarding a case with chest trauma

Case (12) Cardiothoracic

First Aid cases USMLE step 2CK 2nd edition p151

Specific learning Objectives:

By the end of case discussion, the student will be able to:

- 1- Integrate the results of history, physical examination and laboratory findings into a meaningful diagnostic formulation.
- 2- Select the appropriate investigations.
- 3- Construct appropriate management of chest trauma

Case (13) Extradural Hematoma.

First Aid cases USMLE step 2CK 2nd edition

Specific learning Objectives:

By the end of case discussion, the student will be able to:

- 1) Integrate the results of history, physical examination into a meaningful diagnostic formulation .
- 2) Select the appropriate investigations .
- 3) Construct appropriate management regarding a case of Extradural Hematoma.

Case (14) peptic ulcer complications

First Aid cases USMLE step 2CK 2nd edition

Specific learning Objectives:

By the end of case discussion the student will be able to:

1. Integrate the results of history , physical examination into a meaningful diagnostic formulation .
2. Select the appropriate investigations .
3. Construct appropriate management regarding a case of peptic ulcer complications.

Practical sessions outlines

1. Obtain and record informative history.
2. Examine the patients systematically appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.

Surgery 3b (SUR-529) Study Guide

3. Design and /or present a structured, patient centered history and an appropriately timed full physical examination of patients.
4. Show how to measure body temperature and its interpretation, to do proper general and abdominal examination, and interpret Photos. Show how to examine eye and abdomen in obstructive jaundice. Describe the proper site of paracentesis and its steps and indications, use peripheral venous cannula, urethral catheter; ryles tube insertion and Sengstaken tube insertion..
5. Integrate the results of history, physical examination and laboratory test findings into a meaningful diagnostic formulation.
6. Apply measures that promote patient safety.
7. Apply suitable measures for infection control when dealing with the patients and instruments.
8. Construct appropriate management algorithm (both diagnostic and therapeutic) for patients with common