

BLOCK IPC-235

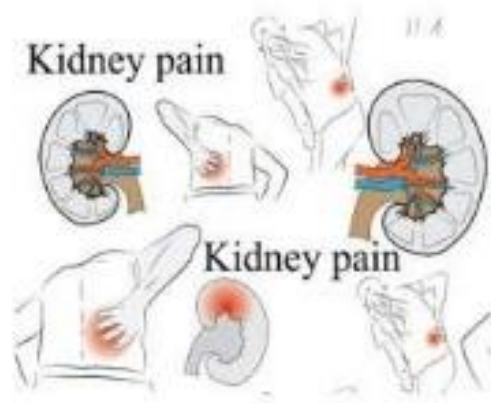
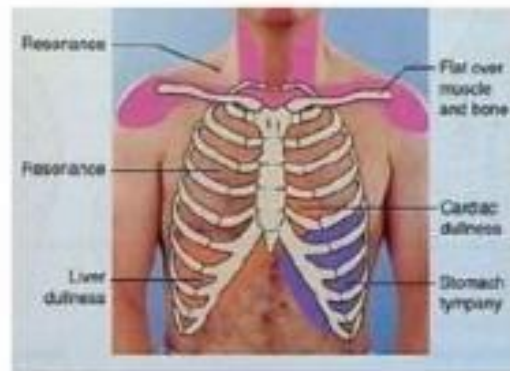
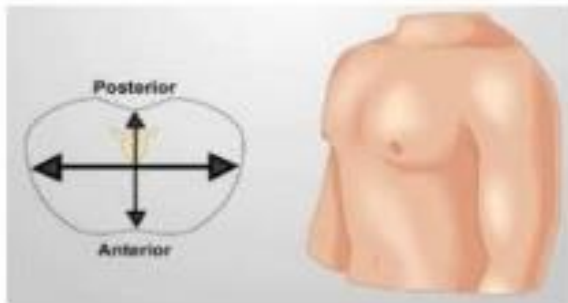
Introduction to Patient Care

Advanced Physical Examination 2,

Clinical Experiences 2,

Advanced Medical Interviewing, Clinical Procedures

STUDENT STUDY GUIDE



Sohag Faculty of Medicine

Sohag University

Prepared by

Department of Chest diseases and Tuberculosis

Department of Internal Medicine

Department of Anesthesia and ICU

Under supervision of

Medical Education Centre

Faculty of Medicine

Sohag University

2022 - 2023

Contact Information of Staff Responsible for Block

IPC-235

Staff Participated
All Staff Members of the Departments
Head of the Department
1- Chest diseases and TB: Prof. Dr. Kamal Abd EL Sattar. 2- Internal Medicine: Prof. Dr. Sharaf El Dein El Shazly. 3- Anesthesia and ICU: Prof. Dr. Fawzy Abass.

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Block specification

A-Basic Information:

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: (Education Development Centre)

Internal Medicine, Chest Diseases, anesthesia and ICU Unit

Academic year/level: 2nd year, 4th semester

Date of specification approval: 2022/2023

⊗ **Title:** Introduction to Patient Care , Advanced Physical Examination 2, Clinical Experiences 2, Advanced Medical Interviewing, Clinical Procedures

⊗ **Code:**

IPC-235

⊗ **Credit points:** 2

⊗ **Lectures:** 14 hours

⊗ **Practical:** 16 hours

⊗ **Total:** 30 hours

**1-Block Map of: vertical, Introduction to Patient Care
Advanced Physical Examination 2, Clinical Experiences 2,
Advanced Medical Interviewing, Clinical Procedures,
second year, semester 3**

Block	Points	days/week	learning activities		
			contact hours/points	formative assessment/feedback	assignment
Introduction to Patient Care Block Advanced Physical Examination 2, Clinical Experiences 2, Advanced Medical Interviewing Clinical Procedures,	2 points	Vertical	30/ 1 point	0.25 Point	0.75 point

B- Professional Information**1- Block aim**

⊖ Overall aim of this vertical block:

By the end of the blocks, the student will be able to take informative history, perform physical examination and do some clinical procedures.

2-Intended Learning Outcomes**1. Summary of the main competencies for students enrolled in the block:**

By the end of these vertical blocks, the students are expected to be able to:

- 1) Take and record a structured, patient centered history.
- 2) Adopt an empathic and holistic approach to the patients and their problems.
- 3) Perform appropriately timed physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.

2. Plans for developing and improving the course:

- 1) Continuous updating of the information, knowledge and skills included in the course through the continuous search for new knowledge and skills available in recent publications (books, researches, internet and others).
- 2) Continuous improvements in teaching methods to encourage the students to participate effectively in the various clinical activities.
- 3) Continuous evaluation of the course content, students performance and establish plans accordingly.

A- Knowledge and understanding:

By the end of the course, students should be able to:

A1- Describe a structured, patient centered history.

A2-Describe appropriately timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.

A3- Identify cardiopulmonary resuscitation and basic life-support.

B- Intellectual Skills:

By the end of the course, students should be able to:

B1- Formulate history and physical findings into a meaningful diagnostic formulation.

B2-Select an empathic and holistic approach to the patients and their problems

B3- Apply cardiopulmonary resuscitation and basic life-support.

C- Psychomotor Skills:

C1- Obtain and record informative history.

C2- Perform appropriately timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.

C3- Use checklist to Perform cardiopulmonary resuscitation and basic life-support.

C4- Design and /or present a structured, patient centered history and an appropriately timed full physical examination of patients.

C5-Apply measures that promote patient safety.

C6- Apply suitable measures for infection control when dealing with the patients and instruments.

C7-Conduct patient-focused care while working with health care professionals.

C8- Write competently all forms of patient charts and sheets.

D- General and transferable skills

By the end of the course, students should be able to:

D1- Perform practice-based improvement activities using portfolio.

D2- Practice effectively using a written health record, electronic medical record, or other digital technology

D3-Display effective communication with patients, their families and community through proper verbal and written means, respecting their beliefs and level of education.

D4- Display respect, compassion, and integrity; a responsiveness to the needs of patients and society.

D5- Display a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent.

D6- Work effectively with others as a member of team work by acting in small group.

D7- Display adequate cooperation with his/her colleagues

D8- Arrange the efforts required to accomplish the tasks in specified time.

D9- Verify the use of sources of biomedical information to remain current with advances in knowledge and practice.

D10- Share in the work efficiently in responsible manner keeping the Instruments and Equipment of the Department intact and clean.

D11-Adhere to the basic ethical and medicolegal principles that should be applied in practice.

D12- Describe his/her work and that of others using constructive feedback.

D13-Present regular reflection on and assess his/her performance using various performance indicators and information sources.

D14- Initiate a personal learning plan to enhance professional practice

D15- Identify opportunities and use various resources for learning.

D16- Integrate in inter-professional activities and collaborative learning to continuously improve personal practice and contribute to collective improvements in practice.

D17- Organize learning time and resources and set priorities

D18- Display accountability to patients, society, and the profession.

3- NARS Competencies covered by the block

- 1.1. Take and record a structured, patient centered history
- 1.2. Adopt an empathic and holistic approach to the patients and their problems.
- 1.4. 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.
- 1.11. Perform diagnostic and intervention procedures² 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
- 1.14. Respect patients' rights and involve them and /or their families/careers in management decisions.
- 2.9 Adopt suitable measures for infection control.
- 3.1. Exhibit appropriate professional behaviors and relationships in all aspects of practice, demonstrating honesty, integrity, commitment, compassion, and respect.
- 3.2. Adhere to the professional standards and laws governing the practice, and abide by the national code of ethics issued by the Egyptian Medical Syndicate.
- 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.
- 5.1 Recognize the important role played by other health care professions in patients' 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.
- 5.12 Demonstrate accountability to patients, society, and the profession.
- 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.
- 6.10 Summarize and present to professional and lay audiences the findings of relevant research and scholarly inquiry.

4- Courses Content

Topics to be Covered				
List of Topics		ILOs	No. of Weeks	Contact Hours
A. Mini Lectures				
1	Complaint and History of present illness e.g respiratory system	A1, B1,B2	1 st	1 hour
2	Complaint and History of present illness e.g respiratory system	A1, B1,B2	2 nd	1 hour
3	Chest examination (Inspection)	A2.B1	3 rd	1 hour
4	Chest examination (Palpation)	A2.B1	4 th	1 hour
5	Chest examination (Percussion)	A2.B1	5 th	1 hour
6	Chest examination (Auscultation)	A2.B1	6 th	1 hour
7	Complaint and History of present illness e.g renal system	A1, B1,B2	7 th	1 hour
8	Complaint and History of present illness e.g renal system	A1, B1,B2	8 th	1 hour
9	Revision (Chest Examination)	A2.B1	9 th	1 hour
10	Revision (Chest Examination)	A2.B1	10 th	1 hour
11	Performing cardiopulmonary resuscitation and basic life-support	A3.B3	11 th	1 hour
12	Performing cardiopulmonary resuscitation and basic life-support	A3.B3	12 th	1 hour
13	Performing cardiopulmonary resuscitation and basic life-support	A3.B3	13 th	1 hour
14	Performing cardiopulmonary resuscitation and basic life-support	A3.B3	14 th	1 hour
Total			14 week	14 hours

Topics to be Covered				
List of Topics		ILOs	No. of Weeks	Contact Hours
B. Bedside training sessions				
1	Complaint and History of present illness e.g respiratory system	C1, C4, C5, C6, C7, C8 , D1-D9 , D11-D18	1 st	1 hour
2	Complaint and History of present illness e.g respiratory system	C1, C4, C5, C6, C7, C8 , D1-D9 , D11-D18	2 nd	1 hour
3	Chest examination (Inspection)	C2 , C4, C5, C6, C7, C8, D1-D18	3 rd	1 hour
4	Chest examination (Palpation)	C2 , C4, C5, C6, C7, C8, D1-D18	4 th	1 hour
5	Chest examination (Percussion)	C2 , C4, C5, C6, C7, C8, D1-D18	5 th	1 hour
6	Chest examination (Auscultation)	C2 , C4, C5, C6, C7, C8, D1-D18	6 th	1 hour
7	Complaint and History of present illness e.g renal system	C1, C4, C5, C6, C7, C8 , D1-D9 , D11-D18	7 th	1 hour
8	Complaint and History of present illness e.g renal system	C1, C4, C5, C6, C7, C8 , D1-D9 , D11-D18	8 th	1 hour
9	Revision (Chest Examination)	C2 , C4, C5, C6, C7, C8, D1-D18	9 th	1 hour
10	Revision (Chest Examination)	C2 , C4, C5, C6, C7, C8, D1-D18	10 th	1 hour
11	Performing cardiopulmonary resuscitation and basic life-support	C3, C4, C5, C6, C7, C8, D1-D18	11 th	1 hour
12	Performing cardiopulmonary resuscitation and basic life-support	C3, C4, C5, C6, C7, C8, D1-D18	12 th	1 hour
13	Performing cardiopulmonary resuscitation and basic life-support	C3, C4, C5, C6, C7, C8, D1-D18	13 th	1 hour
14	Performing cardiopulmonary resuscitation and basic life-support	C3, C4, C5, C6, C7, C8, D1-D18	14 th	1 hour
Revision to confirm the competencies				2 hours
Total			14 week	16 hours

Formative assessment and Assignments

number	Type	week number
1	Quiz 1	2 st
2	Quiz 2	4 th
3	Quiz 3	6 ^h
4	Quiz 4	8 th
5	Quiz 5	10 th
6	Quiz 6	12 th
7	Quiz 7	14 th

Course components (total contact hours and credits per semester):							
	Lecture	Practical	*SDL				Total
Contact Hours	14	16					30
Credit	0.5	0.5	1				2

5- Teaching and learning Methods

- 1- Lectures for knowledge and intellectual skill outcomes.
- 2- Practical sessions (Bed side teaching) to gain practical skills.
- 3- Self-directed learning (SDL) for the topics studied in lectures or related topics; including E learning (practical photographs and questions of different topics available online for student's assessments) and consulting professors for gathering of information.
- 4- Skill Lab

6- Student Assessment

Assessment task	Proportion of Total Assessment
End of block exam	20%
Final Exams (MCQs)	40%
Portfolio and assignment:	10%.
OSPE exam	30%

Student Assessment Plan:

- 1- End of block exam: 20% of total. (6 marks)
- 2- Evaluation of portfolio and assignment: 10%. (3 marks)
- 3- Final exam 40%. (12 marks)
- 4- Final OSPE exam: 30%. (9 marks)

7- List of references (Recommended books)

- 1- Course Notes: Departments.
- 2- Essential Books: (Text Books): Hutchison's Clinical Methods of examination, 23rd edition, 2017.
- 3-Recommended Books:
 - Macleod's Clinical Examination. 14th edition, 2018
 - Oxford American handbook of clinical examination and practical skills
- 4- Periodicals and Web Sites of Medicine.
 - Systems of Care and Continuous Quality Improvement Circulation, 2015; 132: S397–S413, originally published November 3, 2015
 - Adult Basic Life Support and Cardiopulmonary Resuscitation Quality Circulation, 2015; 132: S414–S435, originally published November 3, 2015
 - Adult Advanced Cardiovascular Life Support (Adjuncts for Oxygenation, Ventilation, and Airway Control) Circulation, 2015; 132: S444–S464, originally published November 3, 2015

8-Facilities required for teaching and learning

- 1- White boards.
- 2- Data show for power point presentations.
- 3- Computer club in the Faculty with net access.
- 4- Libraries with available textbooks for gathering of information.

Blueprint								
List of Topics		ILOS	Contact Hours	Weight	End of the block	Portofino/ assignments	Final Exam	
Lectures				%	MCQs marks		MCQ marks	OSPE/ assignments
1	Complaint and History of present illness e.g respiratory system	A1, B1,B2	2 hour	14.286	1	X	1	
2	Chest examination Inspection Palpation Percussion Auscultation	A2, B1	4 hour	28.571	2	X	5	
3	Complaint and History of present illness e.g Renal system	A1, B1,B2	2 hour	14.286	1	X	2	
4	Revision (Chest Examination)	A2, B1	2 hour	14.286				
5	Performing CPR and basic life-support	A3.B3	4 hour	28.571	2	X	4	
	Chest			57,143	3	X	6	
	Renal			14.286	1	X	2	
	CPR			28.571	2	X	4	
	Total		14	100	6		12	
Practical								
1	Complaint and History of present illness e.g respiratory system	C1, C4, C6, C7, C8 D1-D9 , D11-D18	2 hours	14.286		X		2
2	Chest examination Inspection Palpation Percussion Auscultation	C2 , C4, C6, C7, C8, D1-D18	4 hours	28.571		X		3
3	Complaint and History of present illness e.g Renal system	C1, C4, C6, C7, C8 , D1-D9 ,	2 hours	14.286		X		1

		D11-D18						
4	Revision (Chest Examination)	C2, C4, C6, C7, C8, D1-D18	2 hour	14.286				
5	Performing CPR and basic life-support	C3, C4, C5, C6, C7, C8, D1-D18	4 hours	28.571		X		3
	Revision		2					
	Total		16	100				9

Topic Outlines

Introduction to patient care

Advanced Physical Examination 2, Clinical Experiences 2, Advanced Medical Interviewing, Clinical Procedures, second year, semester 4
Lecture (1&2)
Complaint and history of present illness e.g Respiratory system
Learning objectives After this lecture, student should be able to: <ul style="list-style-type: none"> ▪ Identify the different types of complaints and their duration. ▪ Identify the structure of present history.
Content of the lecture Item of present history <ul style="list-style-type: none"> ▪ Analysis of the complaint (Respiratory system) ▪ Inquiry about the other symptoms of the same system. ▪ Systemic review. ▪ Hospital course in case of hospital admission.
Sources <ul style="list-style-type: none"> - Lectures (using data show). - Practical (model, peers and real patients). - Video films & CDs. - Problem-Based Learning sessions for interpretation
Lecture (3-6)
Chest examination
Learning objectives After this lecture, student should be able to: <ul style="list-style-type: none"> ▪ Identify the items of chest examination. ▪ Describe the technique of chest examination.
Content of the lecture <ul style="list-style-type: none"> ▪ Identify the items of chest examination. ▪ Describe the technique of chest examination. <ul style="list-style-type: none"> - Inspection - Palpation - Percussion - Auscultation
Sources <ul style="list-style-type: none"> - Lectures (using data show) - Practical (model, peers and real patients). - Video films & CDs. - Problem-Based Learning sessions for interpretation
Lecture (7&8)
Complaint and History of present illness e.g Renal system
Learning objectives After this lecture, student should be able to:

<ul style="list-style-type: none"> ▪ Identify the different types of complaints and their duration. ▪ Identify the structure of present history.
<p>Content of the lecture</p> <p>Item of present history</p> <ul style="list-style-type: none"> ▪ Analysis of the complaint (Renal system) ▪ Inquiry about the other symptoms of the same system. ▪ Systemic review. ▪ Hospital course in case of hospital admission.
<p style="text-align: center;">Sources</p> <ul style="list-style-type: none"> - Lectures (using data show). - Practical (model, peers and real patients). - Video films & CDs. - Problem-Based Learning sessions for interpretation
Lecture (9,10)
Chest examination
Learning objectives
<p>After this lecture, student should be able to:</p> <ul style="list-style-type: none"> ▪ Identify the items of chest examination. ▪ Describe the technique of chest examination.
<p>Content of the lecture</p> <ul style="list-style-type: none"> ▪ Identify the items of chest examination. ▪ Describe the technique of chest examination. <ul style="list-style-type: none"> - Inspection - Palpation - Percussion - Auscultation
<p style="text-align: center;">Sources</p> <ul style="list-style-type: none"> - Lectures (using data show) - Practical (model, peers and real patients). - Video films & CDs. - Problem-Based Learning sessions for interpretation
Lecture (11-14)
Performing cardiopulmonary resuscitation and basic life-support
<p>Learning objectives</p> <p>After this lecture, student should be able to:</p> <ul style="list-style-type: none"> ▪ Perform cardiopulmonary resuscitation and basic life-support ▪ Identify hazards of delayed cardiopulmonary resuscitation.
<p>Content of the lecture</p> <ul style="list-style-type: none"> ▪ Cardiopulmonary resuscitation and basic life-support ▪ Hazards of delayed cardiopulmonary resuscitation
<p style="text-align: center;">Sources</p> <ul style="list-style-type: none"> - Lectures (using data show) - Practical (model, peers and real patients). - Video films & CDs. - Problem-Based Learning sessions for interpretation

Time Table of the Block

Vertical block Introduction to patient care

Week 1

	Sunday	Student groups
8.30-9.30	Complaint and history of present illness e.g Respiratory system Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-1130	Bedside clinical training	Chest department

Vertical block Introduction to patient care

Week 2

	Sunday	Student groups
8.30-9.30	Complaint and history of present illness e.g Respiratory system Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-1130	Bedside clinical training	Chest department

Vertical block Introduction to patient care**Week 3**

	Sunday	Student groups
8.30-9.30	Chest examination (Inspection) Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-1130	Bedside clinical training	Chest department

Vertical block Introduction to patient care**Week 4**

	Sunday	Student groups
8.30-9.30	Chest examination (Palpation) Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-1130	Bedside clinical training	Chest department

Vertical block Introduction to patient care**Week 5**

	Sunday	Student groups
8.30-9.30	Chest examination (Percussion) Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-1130	Bedside clinical training	Chest department

Vertical block Introduction to patient care**Week 6**

	Sunday	Student groups
8.30-9.30	Chest examination (Auscultation) Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-1130	Bedside clinical training	Chest department

Vertical block Introduction to patient care**Week 7**

	Sunday	Student groups
8.30-9.30	Complaint and History of present illness e.g Renal system Lecture	All students
9.30-10.30	Bedside clinical training	Internal Medicine department
10.30-11.30	Bedside clinical training	Internal Medicine department

Vertical block Introduction to patient care**Week 8**

	Sunday	Student groups
8.30-9.30	Complaint and History of present illness e.g Renal system Lecture	All students
9.30-10.30	Bedside clinical training	Internal Medicine department
10.30-11.30	Bedside clinical training	Internal Medicine department

Vertical block Introduction to patient care**Week 9**

	Sunday	Student groups
8.30-9.30	Revision Chest Examination Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-11.30	Bedside clinical training	Chest department

Vertical block Introduction to patient care**Week 10**

	Sunday	Student groups
8.30-9.30	Revision Chest Examination Lecture	All students
9.30-10.30	Bedside clinical training	Chest department
10.30-11.30	Bedside clinical training	Chest department

Vertical block Introduction to patient care (Week 11)

	Sunday	Student groups
8.30-9.30	Performing cardiopulmonary resuscitation and basic life-support Lecture	All students
9.30-10.30	Skill Lab	Skill Lab
10.30-11.30	Skill Lab	Skill Lab

Vertical block Introduction to patient care (Week 12)

	Sunday	Student groups
8.30-9.30	Performing cardiopulmonary resuscitation and basic life-support Lecture	All students
9.30-10.30	Skill Lab	Skill Lab
10.30-11.30	Skill Lab	Skill Lab

Vertical block Introduction to patient care (Week 13)

	Sunday	Student groups
8.30-9.30	Performing cardiopulmonary resuscitation and basic life-support Lecture	All students
9.30-10.30	Skill Lab	Skill Lab
10.30-11.30	Skill Lab	Skill Lab

Vertical block Introduction to patient care (Week 14)

	Sunday	Student groups
8.30-9.30	Performing cardiopulmonary resuscitation and basic life-support Lecture	All students
9.30-10.30	Skill Lab	Skill Lab
10.30-11.30	Skill Lab	Skill Lab

Names and contact information of staff in charge of the block

-**Block coordinators:** All staff of the departments

-**Heads of departments:** Internal Medicine, Chest Diseases, Anesthesia and ICU departments

-**All staff of:** Internal Medicine, Chest Diseases, Anesthesia and ICU departments.