

LEARNING UNIT : VI

COURSE COORDINATORS: Dr. Dante G. Ang / Rowena S. Lumague

COURSE CODE : Surgery 251

COURSE TITLE : Integrated Clinical Clerkship II in Surgery

COURSE DESCRIPTION: This is a 4-week course that involves direct participatory in In-patient care in general surgery and trauma surgery.

LEARNING OUTCOMES ADDRESSED:

L1 Clinical Competence

L2 Effective Communication Skills

L3 Leadership

L4 Generation and Utilization of Relevant Knowledge

L5 Inter-professional practice

L6 System-based Approach to Health Care Practice

L7 Lifelong personal and professional development

L8 Adherence to Professional and Ethical standards

L9 Volunteerism, Nationalism and Internationalism

L10 Advocacy for Social Equity and Social Accountability

L11 Effective teaching and Organizational Skills

For each Learning Outcome addressed, indicate if the learning is:

I = Introduced in the course

P = Practiced in the course with supervision

D = Demonstrated in the course even without supervision; this implies proficiency in performing the task

INSTRUCTIONAL DESIGN

Learning Objectives	LO Addressed	Content	Teaching/Learning Strategies	Resources	Evaluation
<p>1. Integrate the pathophysiology of the patient's disease to the history and physical examination findings to arrive at a clinical diagnosis and differentials of common surgical disorders and surgical emergencies</p> <ol style="list-style-type: none"> Obtain a complete medical history Perform a complete physical examination Formulate a correct clinical diagnosis List a number of differential diagnoses and justify each 	<p>1 – I/P/D 2 -I/P/D 4 -I/P/D 7 - I 8 – P/D 11 – I/P</p>	<p>See must know surgical diseases</p>	<p>1st sem SGD via Zoom platform x2</p> <p>2nd sem SGD / Bedside rounds with consultants x2</p> <p>Writing progress notes/incoming notes</p>	<p>Index paper cases Read on Must know topics</p> <p>Index patients</p> <p>Progress notes/incoming notes</p> <p>Surgery references Textbook Schwartz's Principle of Surgery latest ed Online reference</p>	<p>SGD Evaluation forms (consultant) Quizzes</p> <p>SGD Evaluation forms / bedside rounds evaluation form (consultant)</p> <p>Surgical Team evaluation (residents)</p>
<p>2. Propose a diagnostic plan and perform specific diagnostic procedures to arrive at a correct diagnosis of common surgical disorders and surgical emergencies</p> <ol style="list-style-type: none"> Outline a logical diagnostic plan Perform proper specimen collection and/or advise relatives on how to collect and send specimens Interpret results of diagnostic examinations 	<p>1 – I/P/D 2 – I/P 3 – I/P 4 - P 5 – P/D 6 – P/D 7 - P 10 - I 11 - P</p>	<p>See must know surgical diseases</p>	<p>1st sem SGD via Zoom platform x2</p> <p>2nd sem SGD / Bedside rounds with consultants x2</p> <p>Writing progress</p>	<p>Index paper cases Read on Must know topics</p> <p>Index patients</p> <p>Progress notes/incoming notes</p>	<p>ePortfolio</p> <p>SGD Evaluation forms / bedside rounds evaluation form (consultant)</p> <p>Surgical Team evaluation (residents)</p>

			notes/incoming notes	Surgery references Textbook Schwartz's Principle of Surgery latest ed Online reference	
<p>3. Propose a therapeutic plan for common surgical disorders and surgical emergencies</p> <p>a. Refer patients with surgical disorders that need the attention of a surgical specialist</p> <p>b. Formulate a surgical plan to address the surgical condition</p> <p>c. Incorporate the appropriate medical management in the therapeutic plan</p> <p>d. Describe how the specific surgical procedure is done</p> <p>e. Identify the benefits and risks of a specific surgical procedure</p> <p>f. Public health lecture in the prevention or early detection of common surgical diseases</p>	<p>1 – I/P</p> <p>2 – I/P</p> <p>4 – I/P</p> <p>5 - P</p> <p>6 – I/P</p> <p>10 - I</p> <p>11 - I</p>	See must know surgical diseases	<p>1st sem</p> <p>SGD via Zoom platform x2</p> <p>Common surgical Procedure thru Videos</p> <p>prepare Public Health lecture (PHL) for "Bantay/Watcher"</p> <p>2nd sem</p> <p>SGD / Bedside rounds with consultants x2</p> <p>Common surgical Procedure thru video</p>	<p>Index paper cases</p> <p>Read on Must know topics</p> <p>videos of common surgical procedures with post-test</p> <p>Index patients</p> <p>Progress notes/incoming notes</p> <p>video of common surgical procedures with post-test</p> <p>Surgery references Textbook Schwartz's Principle of Surgery latest ed Online reference</p>	<p>SGD Evaluation forms / bedside rounds evaluation form (consultant)</p> <p>Surgical Team evaluation (residents)</p> <p>Quizzes</p> <p>Evaluation of presentation of PHL</p>

			Writing progress notes/incoming notes Group presentation of PHL		
<p>4. Apply the basic surgical principles in the pre-operative and post-operative care of actual patients</p> <p>a. Relate theoretical knowledge to actual patient care</p> <p>b. Formulate a management plan during the course of the patient's stay in the hospital</p>	<p>1 - I 2 - I 4 - I/P 5 - P 7 - I/P</p>	<p>1. Fluid and electrolyte therapy and acid-base balance</p> <p>2. Surgical infections</p> <p>3. Peri-operative analgesia and sedation</p> <p>4. Peri-operative complications</p>	<p>1st sem SGD via Zoom platform x2</p> <p>2nd sem SGD / Bedside rounds with consultants x2</p> <p>Writing progress notes/incoming notes</p>	<p>Index paper cases Read on Must know topics</p> <p>Index patients</p> <p>Progress notes/incoming notes</p> <p>Surgery references Textbook Schwartz's Principle of Surgery latest ed Online reference</p>	<p>End of the rotation exam</p>
<p>5. Perform or participate in specific surgical procedures with the supervision of either a consultant or resident</p>	<p>1 - P 2 - P 8 - P/D</p>	<p>1. Nasogastric tube insertion</p> <p>2. Urethral catheterization</p> <p>3. Hand scrubbing, gloving, gowning</p>	<p>1st sem Videos Return demo (submitting own video clips)</p> <p>2nd sem Actual patient encounters</p>	<p>Sutures/hospital supplies</p> <p>Videos</p> <p>Orientation with OR nurses</p>	<p>Rating scale of return demo</p> <p>ePorfolio</p>

		<ul style="list-style-type: none"> 4. Suturing of simple lacerations 5. Wound care and dressing 6. Knot tying 			
<p>6. Effectively communicate to a patient and his relatives the clinical situation and the need for diagnostic and therapeutic measures</p> <ul style="list-style-type: none"> a. Explain to the patient and his relatives the surgical condition and the psychosocial issues related to it b. Enumerate and describe the appropriate diagnostic work up needed to arrive at a correct diagnosis c. Explain in simple terms the therapeutic plan 	<p>1 - D 2 - D 4 – P/D 6 - P 8 – P/D 10 – P/D 11 – I/P</p>	See must know surgical diseases	<p>2nd sem</p> <p>Patient encounters BEDSIDE PRECEPTORIALS</p>	Index patients	Surgical Team evaluation (residents)
<p>7. Appreciate and participate in the performance of major surgical elective and emergency operations</p> <ul style="list-style-type: none"> a. Assist in at least 2 of the more common surgical procedures 	7 – I/P	<ul style="list-style-type: none"> 1. Thyroidectomy 2. Mastectomy 3. Colon or Rectal surgery 4. Cholecystectomy/Bile duct exploration 5. Appendectomy 6. Hernia surgery 7. Closed tube thoracotomy 8. Laparotomy for emergency and elective cases 	<p>2nd sem</p> <p>Operative patients (if the situation will permit the students to scrub in to the operating room)</p>	Surgeries	ePortfolio

<p>8. Organize relevant medical information in an electronic data record</p> <p>a. Fill in the clinical abstract, physical examination findings and diagnosis of patients assigned in the wards</p> <p>b. Update the information relevant to the patient's course in the wards</p> <p>c. Comply with existing rules and regulations on patient's privacy</p>	<p>6 – I/P 8 - I 11 –I/P</p>		<p>Completion of ISIS / RADISH database</p> <p>Orientation</p>	<p>Computer with internet connection</p> <p>Patient privacy materials*</p>	<p>Surgical Team evaluation (residents)</p>
<p>9. Develop the values of professionalism, teamwork, and patient safety in managing patients as part of a medical team</p>	<p>11 - I</p>		<p>Ward Work</p> <p>OR assists</p> <p>Team rounds</p>	<p>Attendance during conferences (department and division)</p> <p>Surgical Team rounds</p>	<p>Peer evaluation form</p>
<p>10. Create an instructional material for patients and fellow students</p>	<p>2 - I 4 - I 7 - I 8 - P 10 - P 11 – I/P</p>		<p>Public Health Lecture (PHL) (tarpauline / pamphlet)</p>		<p>Group evaluation by the Monitor</p>

List of Must Know Topics

General Surgery Diseases

1. Thyroid Cancer
2. Benign thyroid diseases
3. Breast Cancer
4. Benign breast diseases
5. Soft tissue sarcoma
6. Gastrointestinal malignancies
 - a. Colonic Cancer
 - b. Rectal Cancer
 - c. Gastric and Esophageal Cancer
 - d. Hepatocellular and Pancreatic Cancer
7. Benign anorectal diseases
8. Diverticulitis
9. Cholecystitis, Cholelithiasis, and Choledocholithiasis
10. Abdominal wall and groin hernia

Must Know Acute Care Surgery Diseases

1. Acute appendicitis
2. Perforated peptic ulcer
3. Partial/Complete Gut Obstruction
4. Incarcerated/Strangulated hernia
5. Gastrointestinal bleeding
6. Acute cholecystitis
7. Cholangitis
8. Tension pneumothorax
9. Cardiac tamponade
10. Massive hemothorax
11. Blunt chest and abdominal injuries
12. Penetrating abdominal injury
13. Multiple injuries with traumatic brain injury

Grading System

Written Examination -----	45%
Quizzes -----	15%
End of Rotation Examination -----	20%
Comprehensive Examination -----	10%
Clinical Performance -----	50%
Consultant Preceptorials -----	20%
Team Evaluation (GS residents) -----	15%
Return Demo Videos /PHL -----	10%
(scrubbing/gowning/gloving/ suturing)	
E porfolio (OR assist log / Procedural logs/ videos) --	2.5%
Peer evaluation -----	2.5%
Attendance -----	5%
Final Grade -----	100%

