

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pediatric Surgery
Course number	MDCN5216
Faculty	
Department	
Course type	Major Needs
Course level	5
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1	- Understand the unique anatomical, physiological, and developmental aspects of pediatric patients as they relate to surgical conditions.
2	- Recognize and describe the clinical manifestations and presentations of common pediatric surgical conditions.
3	- Understand the pathophysiology, natural history, and complications associated with various pediatric surgical diseases.
4	- Acquire comprehensive knowledge of common pediatric surgical conditions, including congenital anomalies, pediatric trauma, pediatric oncology, and pediatric surgical emergencies.
5	- Develop proficiency in conducting comprehensive pediatric surgical histories and physical examinations.
6	- Understand the principles of surgical management for common pediatric surgical conditions, including indications, techniques, and outcomes.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Develop proficiency in conducting thorough pediatric surgical histories and physical examinations. * Acquire skills in interpreting relevant diagnostic tests and imaging studies commonly used in pediatric surgical evaluations. * Recognize and diagnose common pediatric surgical conditions, including congenital anomalies, pediatric trauma, and pediatric surgical emergencies. * Understand the principles of preoperative, intraoperative, and postoperative management specific to pediatric surgical patients. * Gain exposure to a variety of pediatric surgical procedures and develop an understanding of the indications, techniques, and potential complications associated with these procedures.
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Course Contents

- 1 - Introduction to Pediatric Surgery
- 2 - Pediatric Surgical Anatomy and Physiology
- 3 - Congenital anomalies
- 4 - Pediatric oncology
- 5 - Trauma
- 6 - Pediatric surgical emergencies
- 7 - Diagnostic Approaches in Pediatric Surgery
- 8 - Introduction to common pediatric surgical procedures, including appendectomy, hernia repair, circumcision, and pyloromyotomy
- 9 - Postoperative care and management of pediatric surgical patients, including pain management, wound care, and prevention of complications

Teaching and Learning Methods

- 1 - Lectures
- 2 - Case-based learning
- 3 - Surgical observation and scrubbing
- 4 - Clinical rotations
- 5 - Case presentations and discussions

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Attendance		20
Final Exam	End of semester	80

Books and References

Course note	University lectures
Recommended books	"Essentials of Pediatric Surgery" by Peter Mattei and Robert Carachi
	"Pediatric Surgery: Diagnosis and Management" by Mark Davenport and John G. R. H. Davidson