

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

|                            |             |
|----------------------------|-------------|
| Course name                | Urology     |
| Course number              | MDCN4221    |
| Faculty                    |             |
| Department                 |             |
| Course type                | Major Needs |
| Course level               | 4           |
| Credit hours (theoretical) | 2           |
| Credit hours (practical)   | 0           |
| Course Prerequisites       |             |

#### Course Objectives

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| 1 - Knowledge Acquisition: The course aims to provide students with a comprehensive understanding of the anatomy, physiology, and pathophysiology of the urology related structures. |
| 2 - Surgical Skills Development: Students should acquire the necessary surgical skills and techniques required for performing various procedures within the specialty.               |
| 3 - Patient Evaluation and Diagnosis: The course aims to teach students how to evaluate and diagnose patients presenting with a wide range of urological conditions.                 |
| 4 - Collaboration and Multidisciplinary Care: Urology surgeons often work as part of a multidisciplinary team, especially in cases involving complex conditions or comorbidities     |

#### Intended Learning Outcomes

|                             |  |
|-----------------------------|--|
| Knowledge and Understanding | * Knowledge Acquisition: Acquire a comprehensive understanding of the anatomy, physiology, and pathology of the urinary system, as well as the principles and practices of urological care.                      |
| Intellectual Skills         | * Diagnostic Skills: Develop the ability to obtain a thorough urological history from patients, perform appropriate physical examinations, and interpret relevant diagnostic tests and imaging studies.          |
| Professional Skills         | * Patient Care: Develop the ability to provide comprehensive, compassionate, and patient-centered urological care, considering the physical, emotional, and psychosocial aspects of patients and their families. |
| General Skill               | * Diagnostic Skills: Develop the ability to obtain a thorough urological history from patients, perform appropriate physical examinations, and interpret relevant diagnostic tests and imaging studies.          |

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## Course Contents

- 1 - Basic Anatomy and Physiology of the Urinary System
- 2 - Urological Investigations and Diagnostic Techniques
- 3 - Benign Prostatic Hyperplasia (BPH) and Lower Urinary Tract Symptoms (LUTS)
- 4 - Urinary Tract Infections and Inflammatory Conditions
- 5 - Urologic Oncology: Prostate, Bladder, Kidney, and Testicular Cancers
- 6 - Urinary Stone Disease: Diagnosis, Management, and Surgical Approaches
- 7 - Urologic Trauma: Evaluation and Surgical Interventions
- 8 - Male Sexual Health and Erectile Dysfunction
- 9 - Male Infertility and Assisted Reproductive Techniques
- 10 - Female Urology: Incontinence, Prolapse, and Urinary Tract Fistulas
- 11 - Urologic Emergencies: Acute Scrotum, Priapism, and Urosepsis
- 12 - Urologic Complications and Management Strategies

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## Teaching and Learning Methods

- 1 - Clinical Rotations: students work in Urology surgery departments under the guidance and supervision of experienced surgeon
- 2 - Moring Rounds: participation in surgical grand rounds, where interesting or challenging surgical cases are presented and discussed by faculty and students.
- 3 - Lectures: Traditional lectures are commonly used to present fundamental concepts, principles, and theoretical knowledge related to ENT surgery
- 4 - Case-based Learning: This approach involves presenting students with clinical cases that require surgical interpretation and analysis

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## Students Assessment

| <u>Assessment Method</u>                           | <u>TIME</u> | <u>MARKS</u> |
|--|-------------|--------------|
| Theoretical multiple-choice question<br>(MCQ) exam | 1 Hours     | 100          |

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## Books and References

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| Essential books   | Campbell-Walsh Urology<br>Smith and Tanaghos General Urology |
| Recommended books | Clinical Manual of Urology                                   |